

A	Z	Element	Spin	Decay	branching %	half life	half life (sec)
	1	0 n	1/2+	B-	100	10.24 M 2	6.14E+02
	1	1 H	1/2+			STABLE	0.00E+00
	2	1 H	1+			STABLE	0.00E+00
	3	1 H	1/2+	B-	100	12.32 Y 2	3.89E+08
	4	1 H		-2 N	100	4.6 MEV 9	1.03E-22
	5	1 H		N	100	5.7 MEV 21	8.33E-23
	6	1 H	(2-)	N	100	1.6 MEV 4	2.97E-22
	7	1 H		2N?		29E-23 Y 7	9.15E-15
	3	2 HE	1/2+			STABLE	0.00E+00
	4	2 HE	0+			STABLE	0.00E+00
	5	2 HE	3/2-	A	100	0.60 MEV 2	7.91E-22
	5	2 HE	3/2-	N	100	0.60 MEV 2	7.91E-22
	6	2 HE	0+	B-	100	806.7 MS 15	8.07E-01
	7	2 HE	(3/2)-	N		150 KEV 20	3.16E-21
	8	2 HE	0+	B-	100	119.0 MS 15	1.19E-01
	8	2 HE	0+	BN	16	119.0 MS 15	1.19E-01
	9	2 HE	(1/2-)	N	100	65 KEV 37	7.30E-21
	10	2 HE	0+	2N ?		0.17 MEV 11	2.79E-21
	3	3 LI		P ?		unstable	0.00E+00
	4	3 LI		-2 P	100	6.03 MEV	7.87E-23
	5	3 LI	3/2-	A	100	1.5 MEV AP	3.16E-22
	5	3 LI	3/2-	P	100	1.5 MEV AP	3.16E-22
	6	3 LI	1+			STABLE	0.00E+00
	7	3 LI	3/2-			STABLE	0.00E+00
	8	3 LI	2+	B-	100	838 MS 6	8.38E-01
	8	3 LI	2+	BA	100	838 MS 6	8.38E-01
	9	3 LI	3/2-	B-	100	178.3 MS 4	1.78E-01
	9	3 LI	3/2-	BN	50.8	178.3 MS 4	1.78E-01
	10	3 LI	(1-,2-)	N		1.2 MEV 3	3.96E-22
	11	3 LI	3/2-	B-	100	8.59 MS 14	8.59E-03
	11	3 LI	3/2-	BNA	0.027	8.59 MS 14	8.59E-03
	11	3 LI	3/2-	BN		8.59 MS 14	8.59E-03
	12	3 LI		N ?		10 NS LT	1.00E-08
	5	4 BE	(1/2+)	P		?	0.00E+00
	6	4 BE	0+	P	100	92 KEV 6	5.16E-21
	6	4 BE	0+	A	100	92 KEV 6	5.16E-21
	7	4 BE	3/2-	EC	100	53.22 D 6	4.60E+06
	8	4 BE	0+	A	100	6.8 EV 17	6.98E-17
	9	4 BE	3/2-			STABLE	0.00E+00
	10	4 BE	0+	B-	100	1.51E+6 Y 6	4.77E+13
	11	4 BE	1/2+	B-	100	13.81 S 8	1.38E+01
	11	4 BE	1/2+	BA	3.1	13.81 S 8	1.38E+01
	12	4 BE	0+	B-	100	21.49 MS 3	2.15E-02
	12	4 BE	0+	BN&	1	21.49 MS 3	2.15E-02
	13	4 BE	(1/2-)	N		2.7E-21 S 18	2.70E-21
	14	4 BE	0+	B-	100	4.84 MS 10	4.84E-03
	14	4 BE	0+	BN	94	4.84 MS 10	4.84E-03
	14	4 BE	0+	B2N	6	4.84 MS 10	4.84E-03
	15	4 BE		N ?		200 NS LT	2.00E-07
	16	4 BE	0+	2N ?		200 NS LT	2.00E-07
	6	5 B		2P ?		unstable	0.00E+00

7	5 B	(3/2-)	P	1.4 MEV 2	3.39E-22
7	5 B	(3/2-)	A	1.4 MEV 2	3.39E-22
8	5 B	2+	EC	100 770 MS 3	7.70E-01
8	5 B	2+	EA	100 770 MS 3	7.70E-01
9	5 B	3/2-	P	100 0.54 KEV 21	8.79E-19
9	5 B	3/2-	2A	100 0.54 KEV 21	8.79E-19
10	5 B	3+		STABLE	0.00E+00
11	5 B	3/2-		STABLE	0.00E+00
12	5 B	1+	B-	100 20.20 MS 2	2.02E-02
12	5 B	1+	B3A	1.58 20.20 MS 2	2.02E-02
13	5 B	3/2-	B-	100 17.33 MS 17	1.73E-02
14	5 B		-2 B-	100 12.5 MS 5	1.25E-02
14	5 B		-2 BN	6.04 12.5 MS 5	1.25E-02
15	5 B		B-	100 9.93 MS 7	9.93E-03
15	5 B		BN	93.6 9.93 MS 7	9.93E-03
15	5 B		B2N	0.4 9.93 MS 7	9.93E-03
16	5 B		0 N	190 PS LT	1.90E-10
17	5 B	(3/2-)	B-	100 5.08 MS 5	5.08E-03
17	5 B	(3/2-)	BN	63 5.08 MS 5	5.08E-03
17	5 B	(3/2-)	B2N	11 5.08 MS 5	5.08E-03
17	5 B	(3/2-)	B3N	3.5 5.08 MS 5	5.08E-03
17	5 B	(3/2-)	B4N	0.4 5.08 MS 5	5.08E-03
18	5 B	(4-)	N ?	26 NS LT	2.60E-08
19	5 B	(3/2-)	B-	100 2.92 MS 13	2.92E-03
19	5 B	(3/2-)	BN	72 2.92 MS 13	2.92E-03
19	5 B	(3/2-)	B2N	16 2.92 MS 13	2.92E-03
8	6 C	0+	P	230 KEV 50	2.06E-21
8	6 C	0+	A	230 KEV 50	2.06E-21
9	6 C	(3/2-)	EC	100 126.5 MS 9	1.27E-01
9	6 C	(3/2-)	EP	83 126.5 MS 9	1.27E-01
9	6 C	(3/2-)	EA	17 126.5 MS 9	1.27E-01
10	6 C	0+	EC	100 19.26 S 5	1.93E+01
11	6 C	3/2-	EC	100 20.334 M 24	1.22E+03
12	6 C	0+		STABLE	0.00E+00
13	6 C	1/2-		STABLE	0.00E+00
14	6 C	0+	B-	100 5700 Y 30	1.80E+11
15	6 C	1/2+	B-	100 2.449 S 5	2.45E+00
16	6 C	0+	B-	100 0.747 S 8	7.47E-01
16	6 C	0+	BN	99 0.747 S 8	7.47E-01
17	6 C		B-	100 193 MS 13	1.93E-01
17	6 C		BN	32 193 MS 13	1.93E-01
18	6 C	0+	B-	100 92 MS 2	9.20E-02
18	6 C	0+	BN	31.5 92 MS 2	9.20E-02
19	6 C		BN	61 49 MS 4	4.90E-02
19	6 C		B-	49 MS 4	4.90E-02
20	6 C	0+	B-	100 14 MS +6-5	1.40E-02
20	6 C	0+	BN	72 14 MS +6-5	1.40E-02
21	6 C	(1/2+)	N ?	30 NS LT	3.00E-08
22	6 C	0+	B-	100 6.1 MS +14-12	6.10E-03
22	6 C	0+	BN	61 6.1 MS +14-12	6.10E-03
22	6 C	0+	B2N>	0 6.1 MS +14-12	6.10E-03
10	7 N	(1-)	P ?	20E-23 Y 14	6.31E-15

11M	7 N	1/2+	P	100 1.58 MEV +75-5	3.00E-22
12	7 N	1+	EC	100 11.000 MS 16	1.10E-02
13	7 N	1/2-	EC	100 9.965 M 4	5.98E+02
14	7 N	1+		STABLE	0.00E+00
! 14M	7 N		-4 P	79 13.2 FS 21	1.32E-14
! 14M	7 N		-4 IT	21 13.2 FS 21	1.32E-14
! 14M	7 N	5+	P	81 73 FS 12	7.30E-14
! 14M	7 N	5+	IT	19 73 FS 12	7.30E-14
! 14M	7 N	3+	P	80 9 FS 4	9.00E-15
! 14M	7 N	3+	IT	20 9 FS 4	9.00E-15
15	7 N	1/2-		STABLE	0.00E+00
! 15M	7 N	9/2+	IT	12 FS 6	1.20E-14
! 15M	7 N	9/2+	P	12 FS 6	1.20E-14
16	7 N		-2 B-	100 7.13 S 2	7.13E+00
16	7 N		-2 BA	1.20E-03 7.13 S 2	7.13E+00
17	7 N	1/2-	B-	100 4.173 S 4	4.17E+00
17	7 N	1/2-	BN	95.1 4.173 S 4	4.17E+00
18	7 N		-1 B-	100 624 MS 12	6.24E-01
18	7 N		-1 BN	14.3 624 MS 12	6.24E-01
18	7 N		-1 BA	12.2 624 MS 12	6.24E-01
19	7 N		B-	100 271 MS 8	2.71E-01
19	7 N		BN	54.6 271 MS 8	2.71E-01
20	7 N		B-	100 130 MS 7	1.30E-01
20	7 N		BN	57 130 MS 7	1.30E-01
21	7 N	(1/2-)	B-	100 85 MS 7	8.50E-02
21	7 N	(1/2-)	BN	81 85 MS 7	8.50E-02
22	7 N		B-	100 18 MS 4	1.80E-02
22	7 N		BN	36 18 MS 4	1.80E-02
22	7 N		B2N<	13 18 MS 4	1.80E-02
23	7 N		B-	100 14.1 MS +12-15	1.41E-02
23	7 N		BN	42 14.1 MS +12-15	1.41E-02
23	7 N		B2N	8 14.1 MS +12-15	1.41E-02
24	7 N		N ?	52 NS LT	5.20E-08
25	7 N		N ?	260 NS LT	2.60E-07
12	8 O	0+	P	0.40 MEV 25	1.19E-21
13	8 O	(3/2-)	EC	100 8.58 MS 5	8.58E-03
13	8 O	(3/2-)	EP@	100 8.58 MS 5	8.58E-03
14	8 O	0+	EC	100 70.641 S 20	7.06E+01
15	8 O	1/2-	EC	100 122.24 S 16	1.22E+02
16	8 O	0+		STABLE	0.00E+00
17	8 O	5/2+		STABLE	0.00E+00
18	8 O	0+		STABLE	0.00E+00
19	8 O	5/2+	B-	100 26.88 S 5	2.69E+01
20	8 O	0+	B-	100 13.51 S 5	1.35E+01
21	8 O	(5/2+)	B-	100 3.42 S 10	3.42E+00
22	8 O	0+	B-	100 2.25 S 15	2.25E+00
22	8 O	0+	BN<	22 2.25 S 15	2.25E+00
23	8 O		B-	100 82 MS 37	8.20E-02
23	8 O		BN	31 82 MS 37	8.20E-02
24	8 O	0+	B-	100 65 MS 5	6.50E-02
24	8 O	0+	BN	18 65 MS 5	6.50E-02
25	8 O	(3/2+)	N	50 NS LT	5.00E-08

26	8 O	0+	N	40 NS LT	4.00E-08
27	8 O		N ?	260 NS LT	2.60E-07
28	8 O	0+	N ?	100 NS LT	1.00E-07
14	9 F	(2-)	P	?	0.00E+00
15	9 F	(1/2+)	P	100 1.0 MEV 2	4.75E-22
16	9 F		0 P	100 40 KEV 20	1.19E-20
17	9 F	5/2+	EC	100 64.49 S 16	6.45E+01
18	9 F	1+	EC	100 1.8291 H 4	6.58E+03
19	9 F	1/2+		STABLE	0.00E+00
20	9 F	2+	B-	100 11.07 S 6	1.11E+01
21	9 F	5/2+	B-	100 4.158 S 20	4.16E+00
22	9 F	(4+)	B-	100 4.23 S 4	4.23E+00
22	9 F	(4+)	BN<	11 4.23 S 4	4.23E+00
23	9 F	(3/2,5/2)+	B-	100 2.23 S 14	2.23E+00
24	9 F	(1,2,3)+	B-	100 400 MS 50	4.00E-01
24	9 F	(1,2,3)+	BN<	5.9 400 MS 50	4.00E-01
25	9 F	(5/2+)	B-	100 50 MS 6	5.00E-02
25	9 F	(5/2+)	BN	14 50 MS 6	5.00E-02
26	9 F	1+	B-	100 9.6 MS 8	9.60E-03
26	9 F	1+	BN	11 9.6 MS 8	9.60E-03
27	9 F	(5/2+)	B-	100 5.0 MS 2	5.00E-03
27	9 F	(5/2+)	BN	77 5.0 MS 2	5.00E-03
28	9 F		N	40 NS LT	4.00E-08
29	9 F	(5/2+)	B-	100 2.5 MS 4	2.50E-03
29	9 F	(5/2+)	BN	100 2.5 MS 4	2.50E-03
29	9 F	(5/2+)	B-	2.5 MS 4	2.50E-03
30	9 F		N ?	260 NS LT	2.60E-07
31	9 F		B-?	260 NS GT	2.60E-07
31	9 F		BN?	260 NS GT	2.60E-07
16	10 NE	0+	P	100 122 KEV 37	3.89E-21
17	10 NE	1/2-	EC	100 109.2 MS 6	1.09E-01
17	10 NE	1/2-	EP@	100 109.2 MS 6	1.09E-01
17	10 NE	1/2-	EA	109.2 MS 6	1.09E-01
18	10 NE	0+	EC	100 1672 MS 8	1.67E+00
19	10 NE	1/2+	EC	100 17.22 S 2	1.72E+01
20	10 NE	0+		STABLE	0.00E+00
21	10 NE	3/2+		STABLE	0.00E+00
22	10 NE	0+		STABLE	0.00E+00
23	10 NE	5/2+	B-	100 37.24 S 12	3.72E+01
24	10 NE	0+	B-	100 3.38 M 2	2.03E+02
25	10 NE	(3/2)+	B-	100 602 MS 8	6.02E-01
26	10 NE	0+	B-	100 192 MS 6	1.92E-01
26	10 NE	0+	BN<	0.2 192 MS 6	1.92E-01
27	10 NE	(3/2+)	B-	100 32 MS 2	3.20E-02
27	10 NE	(3/2+)	BN	2 32 MS 2	3.20E-02
28	10 NE	0+	B-	100 19 MS 3	1.90E-02
28	10 NE	0+	BN	16 19 MS 3	1.90E-02
29	10 NE	(3/2+)	B-	100 15.6 MS 5	1.56E-02
29	10 NE	(3/2+)	BN	17 15.6 MS 5	1.56E-02
29	10 NE	(3/2+)	B2N<	2.9 15.6 MS 5	1.56E-02
30	10 NE	0+	B-	100 5.8 MS 2	5.80E-03
30	10 NE	0+	BN<	26 5.8 MS 2	5.80E-03

	31	10 NE		B-	100 3.4 MS 8	3.40E-03
	32	10 NE	0+	B-	100 3.5 MS 9	3.50E-03
	33	10 NE		N ?	260 NS LT	2.60E-07
	34	10 NE	0+	B-?	1.5 US GT	1.50E-06
	34	10 NE	0+	BN?	1.5 US GT	1.50E-06
	18	11 Na	(1-)	P ?	1.3E-21 S 4	1.30E-21
	18	11 Na	(1-)	EC?	1.3E-21 S 4	1.30E-21
	19	11 NA	(5/2+)	P	40 NS LT	4.00E-08
	20	11 NA	2+	EC	100 447.9 MS 23	4.48E-01
	20	11 NA	2+	EA	20.05 447.9 MS 23	4.48E-01
	21	11 NA	3/2+	EC	100 22.49 S 4	2.25E+01
	22	11 NA	3+	EC	100 2.6027 Y 10	8.21E+07
	23	11 NA	3/2+		STABLE	0.00E+00
	24	11 NA	4+	B-	100 14.951 H 3	5.38E+04
! 24M		11 NA	1+	IT	99.95 20.20 MS 7	2.02E-02
! 24M		11 NA	1+	B-	0.05 20.20 MS 7	2.02E-02
	25	11 NA	5/2+	B-	100 59.1 S 6	5.91E+01
	26	11 NA	3+	B-	100 1.077 S 5	1.08E+00
	27	11 NA	5/2+	B-	100 301 MS 6	3.01E-01
	27	11 NA	5/2+	BN	0.13 301 MS 6	3.01E-01
	28	11 NA	1+	B-	100 30.5 MS 4	3.05E-02
	28	11 NA	1+	BN	0.58 30.5 MS 4	3.05E-02
	29	11 NA	3/2+	B-	100 44.9 MS 12	4.49E-02
	29	11 NA	3/2+	BN	21.5 44.9 MS 12	4.49E-02
	30	11 NA	2+	B-	100 48 MS 2	4.80E-02
	30	11 NA	2+	BN	30 48 MS 2	4.80E-02
	30	11 NA	2+	B-	1.17 48 MS 2	4.80E-02
	30	11 NA	2+	BA	5.50E-05 48 MS 2	4.80E-02
	31	11 NA	3/2+	B-	100 17.0 MS 4	1.70E-02
	31	11 NA	3/2+	BN	37 17.0 MS 4	1.70E-02
	31	11 NA	3/2+	B-	0.9 17.0 MS 4	1.70E-02
	32	11 NA		B-	100 13.2 MS 4	1.32E-02
	32	11 NA		BN	24 13.2 MS 4	1.32E-02
	32	11 NA		B-	8 13.2 MS 4	1.32E-02
	33	11 NA		B-	100 8.1 MS 4	8.10E-03
	33	11 NA		BN	47 8.1 MS 4	8.10E-03
	33	11 NA		B2N	13 8.1 MS 4	8.10E-03
	34	11 NA		B-	100 5.5 MS 10	5.50E-03
	34	11 NA		BN&	100 5.5 MS 10	5.50E-03
	34	11 NA		B-	5.5 MS 10	5.50E-03
	35	11 NA		B-	100 1.5 MS 5	1.50E-03
	35	11 NA		BN	1.5 MS 5	1.50E-03
	36	11 NA		N ?	260 NS LT	2.60E-07
	37	11 NA		B-?	1.5 US GT	1.50E-06
	37	11 NA		BN?	1.5 US GT	1.50E-06
	19	12 MG		2P ?	?	0.00E+00
	20	12 MG	0+	EC	100 90.8 MS 24	9.08E-02
	20	12 MG	0+	EP@	27 90.8 MS 24	9.08E-02
	21	12 MG	5/2+	EC	100 122 MS 3	1.22E-01
	21	12 MG	5/2+	EP	32.6 122 MS 3	1.22E-01
	21	12 MG	5/2+	EA<	0.5 122 MS 3	1.22E-01
	22	12 MG	0+	EC	100 3.8755 S 12	3.88E+00

	23	12 MG	3/2+	EC	100 11.317 S 11	1.13E+01
	24	12 MG	0+		STABLE	0.00E+00
	25	12 MG	5/2+		STABLE	0.00E+00
	26	12 MG	0+		STABLE	0.00E+00
	27	12 MG	1/2+	B-	100 9.458 M 12	5.67E+02
	28	12 MG	0+	B-	100 20.915 H 9	7.53E+04
	29	12 MG	3/2+	B-	100 1.30 S 12	1.30E+00
	30	12 MG	0+	B-	100 335 MS 17	3.35E-01
	31	12 MG		B-	100 230 MS 20	2.30E-01
	31	12 MG		BN	1.7 230 MS 20	2.30E-01
	32	12 MG	0+	B-	100 86 MS 5	8.60E-02
	32	12 MG	0+	BN	5.5 86 MS 5	8.60E-02
	33	12 MG		B-	100 90.5 MS 16	9.05E-02
	33	12 MG		BN	17 90.5 MS 16	9.05E-02
	34	12 MG	0+	B-	100 20 MS 10	2.00E-02
	34	12 MG	0+	BN	20 MS 10	2.00E-02
	35	12 MG	(7/2-)	B-	100 70 MS 40	7.00E-02
	35	12 MG	(7/2-)	BN	52 70 MS 40	7.00E-02
	36	12 MG	0+	B-	3.9 MS 13	3.90E-03
	37	12 MG	(7/2-)	B-	100 260 NS GT	2.60E-07
	37	12 MG	(7/2-)	BN	260 NS GT	2.60E-07
	38	12 MG	0+	B-?	260 NS GT	2.60E-07
	39	12 MG		N ?	260 NS GT	2.60E-07
	40	12 MG	0+	B-?	1 MS SY	1.00E-03
	40	12 MG	0+	BN?	1 MS SY	1.00E-03
	21	13 AL	(5/2+)	P	35 NS LT	3.50E-08
	22	13 AL	(3)+	EC	100 59 MS 3	5.90E-02
	22	13 AL	(3)+	EP@	60 59 MS 3	5.90E-02
	22	13 AL	(3)+	EC	0.9 59 MS 3	5.90E-02
	22	13 AL	(3)+	EA	0.31 59 MS 3	5.90E-02
	23	13 AL	3/2+	EC	100 0.47 S 3	4.70E-01
	23	13 AL	3/2+	EP@	1.1 0.47 S 3	4.70E-01
	24	13 AL	4+	EC	100 2.053 S 4	2.05E+00
	24	13 AL	4+	EA	0.04 2.053 S 4	2.05E+00
	24	13 AL	4+	EP	1.60E-03 2.053 S 4	2.05E+00
24M		13 AL	1+	IT	82 131.3 MS 25	1.31E-01
24M		13 AL	1+	EC	18 131.3 MS 25	1.31E-01
24M		13 AL	1+	EA	0.03 131.3 MS 25	1.31E-01
	25	13 AL	5/2+	EC	100 7.183 S 12	7.18E+00
	26	13 AL	5+	EC	100 7.17E+5 Y 24	2.26E+13
26M		13 AL	0+	EC	100 6.3452 S 19	6.35E+00
	27	13 AL	5/2+		STABLE	0.00E+00
	28	13 AL	3+	B-	100 2.2414 M 12	1.34E+02
	29	13 AL	5/2+	B-	100 6.56 M 6	3.94E+02
	30	13 AL	3+	B-	100 3.60 S 6	3.60E+00
	31	13 AL	(3/2,5/2)+	B-	100 644 MS 25	6.44E-01
	32	13 AL	1+	B-	100 33 MS 4	3.30E-02
	33	13 AL	(5/2+)	B-	100 41.7 MS 2	4.17E-02
	33	13 AL	(5/2+)	BN	8.5 41.7 MS 2	4.17E-02
	34	13 AL		B-	100 42 MS 6	4.20E-02
	34	13 AL		BN	27 42 MS 6	4.20E-02
	35	13 AL		B-	100 38.6 MS 4	3.86E-02

35	13 AL		BN	41 38.6 MS 4	3.86E-02
36	13 AL		B-	100 90 MS 40	9.00E-02
36	13 AL		BN<	31 90 MS 40	9.00E-02
37	13 AL		B-	100 10.7 MS 13	1.07E-02
38	13 AL		B-	7.6 MS 6	7.60E-03
39	13 AL	(3/2+)	B-	7.6 MS 16	7.60E-03
40	13 AL		B-	260 NS GT	2.60E-07
40	13 AL		BN	260 NS GT	2.60E-07
41	13 AL		B-	260 NS GT	2.60E-07
42	13 AL		B-?	1 MS SY	1.00E-03
42	13 AL		BN?	1 MS SY	1.00E-03
22	14 SI	0+	EC	100 29 MS 2	2.90E-02
22	14 SI	0+	EP	32 29 MS 2	2.90E-02
23	14 SI		EC	100 42.3 MS 4	4.23E-02
23	14 SI		EP@	73 42.3 MS 4	4.23E-02
23	14 SI		E2P<	4 42.3 MS 4	4.23E-02
24	14 SI	0+	EC	100 140 MS 8	1.40E-01
24	14 SI	0+	EP	38 140 MS 8	1.40E-01
25	14 SI	5/2+	EC	100 220 MS 3	2.20E-01
25	14 SI	5/2+	EP	220 MS 3	2.20E-01
26	14 SI	0+	EC	100 2.234 S 13	2.23E+00
27	14 SI	5/2+	EC	100 4.16 S 2	4.16E+00
28	14 SI	0+		STABLE	0.00E+00
29	14 SI	1/2+		STABLE	0.00E+00
30	14 SI	0+		STABLE	0.00E+00
31	14 SI	3/2+	B-	100 157.3 M 3	9.44E+03
32	14 SI	0+	B-	100 132 Y 13	4.17E+09
33	14 SI	(3/2+)	B-	100 6.18 S 18	6.18E+00
34	14 SI	0+	B-	100 2.77 S 20	2.77E+00
35	14 SI		B-	100 0.78 S 12	7.80E-01
36	14 SI	0+	B-	100 0.45 S 6	4.50E-01
36	14 SI	0+	BN<	10 0.45 S 6	4.50E-01
37	14 SI	(7/2-)	B-	100 90 MS 60	9.00E-02
37	14 SI	(7/2-)	BN	17 90 MS 60	9.00E-02
38	14 SI	0+	B-	100 1 US GT	1.00E-06
38	14 SI	0+	BN	1 US GT	1.00E-06
39	14 SI	(7/2-)	B-	47.5 MS 20	4.75E-02
40	14 SI	0+	B-	33.0 MS 10	3.30E-02
40	14 SI	0+	BN	33.0 MS 10	3.30E-02
41	14 SI			20.0 MS 25	2.00E-02
42	14 SI	0+	B-	13 MS 4	1.30E-02
43	14 SI		B-?	260 NS GT	2.60E-07
43	14 SI		BN?	260 NS GT	2.60E-07
44	14 SI	0+	B-?	10 MS SY	1.00E-02
44	14 SI	0+	BN?	10 MS SY	1.00E-02
24	15 P	(1+)	P ?	?	0.00E+00
24	15 P	(1+)	EC?	?	0.00E+00
25	15 P	(1/2+)	P	30 NS LT	3.00E-08
26	15 P	(3+)	EC	100 43.7 MS 6	4.37E-02
26	15 P	(3+)	EP	43.7 MS 6	4.37E-02
27	15 P	1/2+	EC	100 260 MS 80	2.60E-01
27	15 P	1/2+	EP	0.07 260 MS 80	2.60E-01

28	15 P	3+	EC	100 270.3 MS 5	2.70E-01
28	15 P	3+	EP	1.30E-03 270.3 MS 5	2.70E-01
28	15 P	3+	EA	8.60E-04 270.3 MS 5	2.70E-01
29	15 P	1/2+	EC	100 4.142 S 15	4.14E+00
30	15 P	1+	EC	100 2.498 M 4	1.50E+02
31	15 P	1/2+		STABLE	0.00E+00
32	15 P	1+	B-	100 14.262 D 14	1.23E+06
33	15 P	1/2+	B-	100 25.34 D 12	2.19E+06
34	15 P	1+	B-	100 12.43 S 8	1.24E+01
35	15 P	1/2+	B-	100 47.3 S 7	4.73E+01
36	15 P		-4 B-	100 5.6 S 3	5.60E+00
37	15 P		B-	100 2.31 S 13	2.31E+00
38	15 P		B-	100 0.64 S 14	6.40E-01
38	15 P		BN<	10 0.64 S 14	6.40E-01
39	15 P		B-	100 0.25 S 8	2.50E-01
39	15 P		BN	26 0.25 S 8	2.50E-01
40	15 P	(2-,3-)	B-	100 125 MS 25	1.25E-01
40	15 P	(2-,3-)	BN	15.8 125 MS 25	1.25E-01
41	15 P		B-	100 100 MS 5	1.00E-01
41	15 P		BN	30 100 MS 5	1.00E-01
42	15 P		B-	100 48.5 MS 15	4.85E-02
42	15 P		BN	50 48.5 MS 15	4.85E-02
43	15 P		B-	100 36.5 MS 15	3.65E-02
43	15 P		BN	100 36.5 MS 15	3.65E-02
44	15 P		B-	18.5 MS 25	1.85E-02
45	15 P		B-?	200 NS GT	2.00E-07
46	15 P		B-	100 200 NS GT	2.00E-07
26	16 S	0+	2P ?	10 MS AP	1.00E-02
27	16 S	(5/2+)	EC	100 15.5 MS 15	1.55E-02
27	16 S	(5/2+)	EP	2.3 15.5 MS 15	1.55E-02
27	16 S	(5/2+)	E2P	1.1 15.5 MS 15	1.55E-02
28	16 S	0+	EC	100 125 MS 10	1.25E-01
28	16 S	0+	EP	21 125 MS 10	1.25E-01
29	16 S	5/2+	EC	100 187 MS 4	1.87E-01
29	16 S	5/2+	EP	47 187 MS 4	1.87E-01
30	16 S	0+	EC	100 1.178 S 5	1.18E+00
31	16 S	1/2+	EC	100 2.572 S 13	2.57E+00
32	16 S	0+		STABLE	0.00E+00
33	16 S	3/2+		STABLE	0.00E+00
34	16 S	0+		STABLE	0.00E+00
35	16 S	3/2+	B-	100 87.51 D 12	7.56E+06
36	16 S	0+		STABLE	0.00E+00
37	16 S	7/2-	B-	100 5.05 M 2	3.03E+02
38	16 S	0+	B-	100 170.3 M 7	1.02E+04
39	16 S	(3/2,5/2,7 /2)-	B-	100 11.5 S 5	1.15E+01
40	16 S	0+	B-	100 8.8 S 22	8.80E+00
41	16 S	(7/2-)	B-	100 1.99 S 5	1.99E+00
41	16 S	(7/2-)	BN	1.99 S 5	1.99E+00
42	16 S	0+	B-	100 1.013 S 15	1.01E+00
43	16 S		B-	100 0.28 S 3	2.80E-01
43	16 S		BN	40 0.28 S 3	2.80E-01
44	16 S	0+	B-	100 100 MS 1	1.00E-01

	44	16 S	0+	BN	18 100 MS 1	1.00E-01
	45	16 S		B-	100 68 MS 2	6.80E-02
	45	16 S		BN	54 68 MS 2	6.80E-02
	46	16 S	0+	B-	100 50 MS 8	5.00E-02
	47	16 S		B-?	200 NS GT	2.00E-07
	48	16 S	0+	B-	200 NS GE	2.00E-07
	49	16 S		N	200 NS LT	2.00E-07
	28	17 CL	(1+)	P ?	?	0.00E+00
	29	17 CL	(3/2+)	P	20 NS LT	2.00E-08
	30	17 CL	(3+)	P	30 NS LT	3.00E-08
	31	17 CL		EC	100 150 MS 25	1.50E-01
	31	17 CL		EP	0.7 150 MS 25	1.50E-01
	32	17 CL	1+	EC	100 298 MS 1	2.98E-01
	32	17 CL	1+	EA	0.05 298 MS 1	2.98E-01
	32	17 CL	1+	EP	0.03 298 MS 1	2.98E-01
	33	17 CL	3/2+	EC	100 2.511 S 3	2.51E+00
	34	17 CL	0+	EC	100 1.5264 S 14	1.53E+00
34M		17 CL	3+	EC	55.4 32.00 M 4	1.92E+03
34M		17 CL	3+	IT	44.6 32.00 M 4	1.92E+03
	35	17 CL	3/2+		STABLE	0.00E+00
	36	17 CL	2+	B-	98.1 3.01E+5 Y 2	9.50E+12
	36	17 CL	2+	EC	1.9 3.01E+5 Y 2	9.50E+12
	37	17 CL	3/2+		STABLE	0.00E+00
	38	17 CL		-2 B-	100 37.24 M 5	2.23E+03
38M		17 CL		-5 IT	100 715 MS 3	7.15E-01
	39	17 CL	3/2+	B-	100 55.6 M 2	3.34E+03
	40	17 CL		-2 B-	100 1.35 M 2	8.10E+01
	41	17 CL	(1/2+,3/2+)	B-	100 38.4 S 8	3.84E+01
	42	17 CL		B-	100 6.8 S 3	6.80E+00
	43	17 CL		B-	100 3.07 S 7	3.07E+00
	44	17 CL		B-	100 0.56 S 11	5.60E-01
	44	17 CL		BN<	8 0.56 S 11	5.60E-01
	45	17 CL		B-	100 400 MS 43	4.00E-01
	45	17 CL		BN	24 400 MS 43	4.00E-01
	46	17 CL		B-	100 232 MS 2	2.32E-01
	46	17 CL		BN	60 232 MS 2	2.32E-01
	47	17 CL		B-	100 101 MS 6	1.01E-01
	47	17 CL		BN>	0 101 MS 6	1.01E-01
	48	17 CL		B-	200 NS GE	2.00E-07
	49	17 CL			170 NS GE	1.70E-07
	50	17 CL		B-?	20 MS SY	2.00E-02
	51	17 CL	(3/2+)	B-	200 NS GT	2.00E-07
	30	18 AR	0+	P ?	20 NS LT	2.00E-08
	31	18 AR	5/2+	EC	100 15.1 MS 13	1.51E-02
	31	18 AR	5/2+	EP	69 15.1 MS 13	1.51E-02
	31	18 AR	5/2+	EC	7.6 15.1 MS 13	1.51E-02
	32	18 AR	0+	EC	100 98 MS 2	9.80E-02
	32	18 AR	0+	EP	43 98 MS 2	9.80E-02
	33	18 AR	1/2+	EC	100 173.0 MS 20	1.73E-01
	33	18 AR	1/2+	EP	38.7 173.0 MS 20	1.73E-01
	34	18 AR	0+	EC	100 844.5 MS 34	8.45E-01
	35	18 AR	3/2+	EC	100 1.775 S 4	1.77E+00

	36	18 AR	0+		STABLE	0.00E+00
	37	18 AR	3/2+	EC	100 34.95 D 4	3.02E+06
	38	18 AR	0+		STABLE	0.00E+00
	39	18 AR	7/2-	B-	100 269 Y 3	8.49E+09
	40	18 AR	0+		STABLE	0.00E+00
	41	18 AR	7/2-	B-	100 109.61 M 4	6.58E+03
	42	18 AR	0+	B-	100 32.9 Y 11	1.04E+09
	43	18 AR	(5/2-)	B-	100 5.37 M 6	3.22E+02
	44	18 AR	0+	B-	100 11.87 M 5	7.12E+02
	45	18 AR		B-	100 21.48 S 15	2.15E+01
	46	18 AR	0+	B-	100 8.4 S 6	8.40E+00
	47	18 AR	(3/2-)	B-	100 1.23 S 3	1.23E+00
	47	18 AR	(3/2-)	BN<	0.002 1.23 S 3	1.23E+00
	48	18 AR	0+	B-	0.48 S 40	4.80E-01
	49	18 AR			170 NS GE	1.70E-07
	50	18 AR	0+		170 NS GE	1.70E-07
	51	18 AR		B-?	200 NS GT	2.00E-07
	52	18 AR	0+	B-	10 MS	1.00E-02
	53	18 AR	(5/2-)	B-	3 MS SY	3.00E-03
	53	18 AR	(5/2-)	BN	3 MS SY	3.00E-03
	32	19 K		P ?	?	0.00E+00
	33	19 K	(3/2+)	P	25 NS LT	2.50E-08
	34	19 K	(1+)	P	25 NS LT	2.50E-08
	35	19 K	3/2+	EC	100 178 MS 8	1.78E-01
	35	19 K	3/2+	EP	0.37 178 MS 8	1.78E-01
	36	19 K	2+	EC	100 342 MS 2	3.42E-01
	36	19 K	2+	EP	0.05 342 MS 2	3.42E-01
	36	19 K	2+	EA	3.40E-03 342 MS 2	3.42E-01
	37	19 K	3/2+	EC	100 1.226 S 7	1.23E+00
	38	19 K	3+	EC	100 7.636 M 18	4.58E+02
38M		19 K	0+	EC	100 924.2 MS 3	9.24E-01
	39	19 K	3/2+		STABLE	0.00E+00
	40	19 K		-4 B-	89.28 1.248E+9 Y 3	3.94E+16
	40	19 K		-4 EC	10.72 1.248E+9 Y 3	3.94E+16
	41	19 K	3/2+		STABLE	0.00E+00
	42	19 K		-2 B-	100 12.321 H 25	4.44E+04
	43	19 K	3/2+	B-	100 22.3 H 1	8.03E+04
	44	19 K		-2 B-	100 22.13 M 19	1.33E+03
	45	19 K	3/2+	B-	100 17.3 M 6	1.04E+03
	46	19 K	(2-)	B-	100 105 S 10	1.05E+02
	47	19 K	1/2+	B-	100 17.50 S 24	1.75E+01
	48	19 K	(2-)	B-	100 6.8 S 2	6.80E+00
	48	19 K	(2-)	BN	1.14 6.8 S 2	6.80E+00
	49	19 K	(3/2+)	B-	100 1.26 S 5	1.26E+00
	49	19 K	(3/2+)	BN	86 1.26 S 5	1.26E+00
	50	19 K	(0-,1,2-)	B-	100 472 MS 4	4.72E-01
	50	19 K	(0-,1,2-)	BN	29 472 MS 4	4.72E-01
	51	19 K	(1/2+,3/2+)	B-	100 365 MS 5	3.65E-01
	51	19 K	(1/2+,3/2+)	BN	47 365 MS 5	3.65E-01
	52	19 K	(2-)	B-	100 105 MS 5	1.05E-01
	52	19 K	(2-)	BN@	64 105 MS 5	1.05E-01
	52	19 K	(2-)	B-	105 MS 5	1.05E-01

53	19 K	(3/2+)	B-	100 30 MS 5	3.00E-02
53	19 K	(3/2+)	BN@	67 30 MS 5	3.00E-02
53	19 K	(3/2+)	B2N@	17 30 MS 5	3.00E-02
54	19 K		B-	100 10 MS 5	1.00E-02
54	19 K		BN>	0 10 MS 5	1.00E-02
55	19 K		B-?	3 MS SY	3.00E-03
55	19 K		BN?	3 MS SY	3.00E-03
34	20 CA	0+	P	35 NS LT	3.50E-08
35	20 CA		EC	100 25.7 MS 2	2.57E-02
35	20 CA		EP	95.7 25.7 MS 2	2.57E-02
35	20 CA		E2P	4.2 25.7 MS 2	2.57E-02
36	20 CA	0+	EC	100 102 MS 2	1.02E-01
36	20 CA	0+	EP	57 102 MS 2	1.02E-01
37	20 CA	3/2+	EC	100 181.1 MS 10	1.81E-01
37	20 CA	3/2+	EP	82.1 181.1 MS 10	1.81E-01
38	20 CA	0+	EC	100 440 MS 8	4.40E-01
39	20 CA	3/2+	EC	100 859.6 MS 14	8.60E-01
40	20 CA	0+	2EC	3.0E+21 Y GT	9.47E+28
41	20 CA	7/2-	EC	100 1.02E+5 Y 7	3.22E+12
42	20 CA	0+		STABLE	0.00E+00
43	20 CA	7/2-		STABLE	0.00E+00
44	20 CA	0+		STABLE	0.00E+00
45	20 CA	7/2-	B-	100 162.61 D 9	1.40E+07
46	20 CA	0+	2B-	0.28E+16 Y GT	8.84E+22
47	20 CA	7/2-	B-	100 4.536 D 3	3.92E+05
48	20 CA	0+	2B-	84 2.3E19 Y +12-6	7.26E+26
48	20 CA	0+	B-<	25 2.3E19 Y +12-6	7.26E+26
49	20 CA	3/2-	B-	100 8.718 M 6	5.23E+02
50	20 CA	0+	B-	100 13.9 S 6	1.39E+01
51	20 CA	(3/2-)	B-	100 10.0 S 8	1.00E+01
51	20 CA	(3/2-)	BN	10.0 S 8	1.00E+01
52	20 CA	0+	B-	100 4.6 S 3	4.60E+00
52	20 CA	0+	BN&	2 4.6 S 3	4.60E+00
53	20 CA	(3/2-,5/2-	) B-	100 90 MS 15	9.00E-02
53	20 CA	(3/2-,5/2-	) BN>	30 90 MS 15	9.00E-02
54	20 CA	0+	B-	100 300 NS GT	3.00E-07
55	20 CA		B-?	300 NS GT	3.00E-07
56	20 CA	0+	B-?	10 MS SY	1.00E-02
57	20 CA		B-?	5 MS SY	5.00E-03
57	20 CA		BN?	5 MS SY	5.00E-03
36	21 SC		P ?	?	0.00E+00
37	21 SC		P ?	?	0.00E+00
38	21 SC	(2-)	P	300 NS LT	3.00E-07
39	21 SC	(7/2-)	P	100 300 NS LT	3.00E-07
40	21 SC		-4 EC	100 182.3 MS 7	1.82E-01
40	21 SC		-4 EP	0.44 182.3 MS 7	1.82E-01
40	21 SC		-4 EA	0.02 182.3 MS 7	1.82E-01
41	21 SC	7/2-	EC	100 596.3 MS 17	5.96E-01
42	21 SC	0+	EC	100 681.3 MS 7	6.81E-01
42M	21 SC	(7)+	EC	100 61.7 S 4	6.17E+01
43	21 SC	7/2-	EC	100 3.891 H 12	1.40E+04
! 43M	21 SC	3/2+	IT	100 438 US 7	4.38E-04

	44	21 SC	2+	EC	100 3.97 H 4	1.43E+04
44M		21 SC	6+	IT	98.8 58.61 H 10	2.11E+05
44M		21 SC	6+	EC	1.2 58.61 H 10	2.11E+05
	45	21 SC	7/2-		STABLE	0.00E+00
45M		21 SC	3/2+	IT	100 318 MS 7	3.18E-01
	46	21 SC	4+	B-	100 83.79 D 4	7.24E+06
46M		21 SC		-1 IT	100 18.75 S 4	1.88E+01
	47	21 SC	7/2-	B-	100 3.3492 D 6	2.89E+05
	48	21 SC	6+	B-	100 43.67 H 9	1.57E+05
	49	21 SC	7/2-	B-	100 57.2 M 2	3.43E+03
	50	21 SC	5+	B-	100 102.5 S 5	1.03E+02
50M		21 SC	(2,3)+	IT>	97.5 0.35 S 4	3.50E-01
50M		21 SC	(2,3)+	B-<	2.5 0.35 S 4	3.50E-01
	51	21 SC	(7/2)-	B-	100 12.4 S 1	1.24E+01
	52	21 SC	3(+)	B-	100 8.2 S 2	8.20E+00
	53	21 SC	(7/2-)	B-	100 3 S GT	3.00E+00
	53	21 SC	(7/2-)	BN	3 S GT	3.00E+00
	54	21 SC	(3,4+)	B-	100 0.36 S 6	3.60E-01
	55	21 SC	(7/2-)	B-	100 0.115 S 15	1.15E-01
	55	21 SC	(7/2-)	BN	0.115 S 15	1.15E-01
	56	21 SC	(1+)	B-	35 MS 5	3.50E-02
	56	21 SC	(1+)	BN	35 MS 5	3.50E-02
	56	21 SC	(6+,7+)	B-	60 MS 7	6.00E-02
	56	21 SC	(6+,7+)	BN	60 MS 7	6.00E-02
	57	21 SC		B-	100 13 MS 4	1.30E-02
	57	21 SC	(7/2-)	BN	13 MS 4	1.30E-02
	58	21 SC	(3+)	B-	100 12 MS 5	1.20E-02
	59	21 SC		B-?	10 MS SY	1.00E-02
	59	21 SC		BN?	10 MS SY	1.00E-02
	60	21 SC		B-	3 MS SY	3.00E-03
	38	22 TI	0+	2P ?	120 NS LT	1.20E-07
	39	22 TI	(3/2+)	EC	100 31 MS +6-4	3.10E-02
	39	22 TI	(3/2+)	EP	14 31 MS +6-4	3.10E-02
	40	22 TI	0+	EC	100 53.3 MS 15	5.33E-02
	40	22 TI	0+	EP	100 53.3 MS 15	5.33E-02
	41	22 TI	3/2+	EC	100 80.4 MS 9	8.04E-02
	41	22 TI	3/2+	EP@	100 80.4 MS 9	8.04E-02
	42	22 TI	0+	EC	100 199 MS 6	1.99E-01
	43	22 TI	7/2-	EC	100 509 MS 5	5.09E-01
	44	22 TI	0+	EC	100 60.0 Y 11	1.89E+09
	45	22 TI	7/2-	EC	100 184.8 M 5	1.11E+04
	46	22 TI	0+		STABLE	0.00E+00
	47	22 TI	5/2-		STABLE	0.00E+00
	48	22 TI	0+		STABLE	0.00E+00
	49	22 TI	7/2-		STABLE	0.00E+00
	50	22 TI	0+		STABLE	0.00E+00
	51	22 TI	3/2-	B-	100 5.76 M 1	3.46E+02
	52	22 TI	0+	B-	100 1.7 M 1	1.02E+02
	53	22 TI	(3/2)-	B-	100 32.7 S 9	3.27E+01
	54	22 TI	0+	B-	100 1.5 S 4	1.50E+00
	55	22 TI	(3/2-)	B-	100 1.3 S 1	1.30E+00
	56	22 TI	0+	B-	100 200 MS 5	2.00E-01

	56	22 TI	0+	BN	200 MS 5	2.00E-01
	57	22 TI		B-	100 60 MS 16	6.00E-02
	57	22 TI		BN	60 MS 16	6.00E-02
	58	22 TI	0+	B-	100 59 MS 9	5.90E-02
	59	22 TI	(5/2-)	B-	30 MS 3	3.00E-02
	60	22 TI	0+	B-	22 MS 2	2.20E-02
	61	22 TI		B-?	300 NS GT	3.00E-07
	62	22 TI	0+	B-?	10 MS SY	1.00E-02
	63	22 TI		B-?	3 MS SY	3.00E-03
	63	22 TI		BN?	3 MS SY	3.00E-03
	40	23 V		P ?	?	0.00E+00
	41	23 V		P ?	?	0.00E+00
	42	23 V		P	55 NS LT	5.50E-08
	43	23 V		EC	100 800 MS GT	8.00E-01
	44	23 V	(2+)	EC	100 111 MS 7	1.11E-01
44M	44	23 V	(2+)	EA	111 MS 7	1.11E-01
	45	23 V	(6+)	EC	100 150 MS 3	1.50E-01
	46	23 V	7/2-	EC	100 547 MS 6	5.47E-01
! 46M	46	23 V	0+	EC	100 422.50 MS 11	4.23E-01
	47	23 V	3+	IT	100 1.02 MS 7	1.02E-03
	48	23 V	3/2-	EC	100 32.6 M 3	1.96E+03
	48	23 V	4+	EC	100 15.9735 D 25	1.38E+06
	49	23 V	7/2-	EC	100 329 D 3	2.84E+07
	50	23 V	6+	EC	83 1.4E+17 Y 4	4.42E+24
	50	23 V	6+	B-	17 1.4E+17 Y 4	4.42E+24
	51	23 V	7/2-		STABLE	0.00E+00
	52	23 V	3+	B-	100 3.743 M 5	2.25E+02
	53	23 V	7/2-	B-	100 1.60 M 4	9.60E+01
	54	23 V	3+	B-	100 49.8 S 5	4.98E+01
	55	23 V	(7/2-)	B-	100 6.54 S 15	6.54E+00
	56	23 V	(1+)	B-	100 216 MS 4	2.16E-01
	56	23 V	1+	BN	0.06 216 MS 4	2.16E-01
	57	23 V	(3/2-)	B-	100 0.35 S 1	3.50E-01
	57	23 V	(3/2-)	BN	0.04 0.35 S 1	3.50E-01
	58	23 V	(1+)	B-	100 185 MS 10	1.85E-01
	59	23 V	(5/2-,3/2-	) B-	100 75 MS 7	7.50E-02
	60	23 V		B-	68 MS 5	6.80E-02
! 60M		23 V		B-	100 40 MS 15	4.00E-02
! 60M		23 V		BN	40 MS 15	4.00E-02
60M		23 V		B-	100 122 MS 18	1.22E-01
60M		23 V		BN	122 MS 18	1.22E-01
	61	23 V	(3/2-)	B-	47 MS 1	4.70E-02
	62	23 V		B-	33.5 MS 2	3.35E-02
	63	23 V	(7/2-)	B-	17 MS 3	1.70E-02
	64	23 V		B-	150 NS GT	1.50E-07
	65	23 V		B-?	10 MS SY	1.00E-02
	65	23 V		BN?	10 MS SY	1.00E-02
	42	24 CR	0+	EC	13 MS +4-2	1.30E-02
	43	24 CR	(3/2+)	EC	100 21.6 MS 7	2.16E-02
	43	24 CR	(3/2+)	EP	23 21.6 MS 7	2.16E-02
	43	24 CR	(3/2+)	EC	6 21.6 MS 7	2.16E-02
	44	24 CR	0+	EC	100 53 MS +4-3	5.30E-02

	44	24 CR	0+	EP>	7 53 MS +4-3	5.30E-02
	45	24 CR		EC	100 50 MS 6	5.00E-02
	45	24 CR		EP>	27 50 MS 6	5.00E-02
	46	24 CR	0+	EC	100 0.26 S 6	2.60E-01
	47	24 CR	3/2-	EC	100 500 MS 15	5.00E-01
	48	24 CR	0+	EC	100 21.56 H 3	7.76E+04
	49	24 CR	5/2-	EC	100 42.3 M 1	2.54E+03
	50	24 CR	0+	2EC	1.3E+18 Y GT	4.10E+25
	51	24 CR	7/2-	EC	100 27.7025 D 24	2.39E+06
	52	24 CR	0+		STABLE	0.00E+00
	53	24 CR	3/2-		STABLE	0.00E+00
	54	24 CR	0+		STABLE	0.00E+00
	55	24 CR	3/2-	B-	100 3.497 M 3	2.10E+02
	56	24 CR	0+	B-	100 5.94 M 10	3.56E+02
	57	24 CR	3/2-,5/2-,	7/2- B-	100 21.1 S 10	2.11E+01
	58	24 CR	0+	B-	100 7.0 S 3	7.00E+00
	59	24 CR	(1/2-)	B-	100 0.46 S 5	4.60E-01
	60	24 CR	0+	B-	100 0.57 S 6	5.70E-01
	61	24 CR		B-	100 0.27 S 2	2.70E-01
	62	24 CR	0+	B-	100 209 MS 12	2.09E-01
	62	24 CR	0+	BN	209 MS 12	2.09E-01
	63	24 CR	(1/2-)	B-	100 129 MS 2	1.29E-01
	63	24 CR	(1/2-)	BN	129 MS 2	1.29E-01
	64	24 CR	0+	B-	43 MS 1	4.30E-02
	65	24 CR	(1/2-)	B-	27 MS 3	2.70E-02
	65	24 CR	(1/2-)	BN?	27 MS 3	2.70E-02
	66	24 CR	0+	B-	100 10 MS 6	1.00E-02
	67	24 CR		B-?	50 MS AP	5.00E-02
	44	25 MN	(2-)	EC	105 NS LT	1.05E-07
	44	25 MN	(2-)	P	105 NS LT	1.05E-07
	45	25 MN	(7/2-)	P	70 NS LT	7.00E-08
	46	25 MN	[4+]	EC	100 34 MS +5-4	3.40E-02
	46	25 MN	[4+]	EP	22 34 MS +5-4	3.40E-02
	47	25 MN		EC	100 100 MS 50	1.00E-01
	47	25 MN		EP>	3.4 100 MS 50	1.00E-01
	48	25 MN	4+	EC	100 158.1 MS 22	1.58E-01
	48	25 MN	4+	EP	0.28 158.1 MS 22	1.58E-01
	48	25 MN	4+	EA<	6.00E-04 158.1 MS 22	1.58E-01
	49	25 MN	5/2-	EC	100 382 MS 7	3.82E-01
	50	25 MN	0+	EC	100 283.29 MS 8	2.83E-01
50M		25 MN	5+	EC	100 1.75 M 3	1.05E+02
	51	25 MN	5/2-	EC	100 46.2 M 1	2.77E+03
	52	25 MN	6+	EC	100 5.591 D 3	4.83E+05
52M		25 MN	2+	EC	98.25 21.1 M 2	1.27E+03
52M		25 MN	2+	IT	1.75 21.1 M 2	1.27E+03
	53	25 MN	7/2-	EC	100 3.74E+6 Y 4	1.18E+14
	54	25 MN	3+	EC	100 312.12 D 6	2.70E+07
	54	25 MN	3+	B-<	2.90E-04 312.12 D 6	2.70E+07
	55	25 MN	5/2-		STABLE	0.00E+00
	56	25 MN	3+	B-	100 2.5789 H 1	9.28E+03
	57	25 MN	5/2-	B-	100 85.4 S 18	8.54E+01
	58	25 MN	1+	B-	100 3.0 S 1	3.00E+00

58M	25 MN	(4)+	B-@	80 65.2 S 5	6.52E+01
58M	25 MN	(4)+	IT@	20 65.2 S 5	6.52E+01
	59	25 MN	(5/2)-	100 4.59 S 5	4.59E+00
	60	25 MN	0+	100 51 S 6	5.10E+01
60M	25 MN	3+	B-	88.5 1.77 S 2	1.77E+00
60M	25 MN	3+	IT	11.5 1.77 S 2	1.77E+00
	61	25 MN	(5/2)-	100 0.67 S 4	6.70E-01
	62	25 MN	1+	100 92 MS 13	9.20E-02
	62	25 MN	(3+,4+)	100 671 MS 5	6.71E-01
	62	25 MN	(3+,4+)	BN 671 MS 5	6.71E-01
	63	25 MN	(5/2)-	100 0.29 S 2	2.90E-01
	64	25 MN		100 89 MS 4	8.90E-02
	64	25 MN	BN	1.42 89 MS 4	8.90E-02
	65	25 MN	B-	100 92 MS 1	9.20E-02
	65	25 MN	BN	6.92 92 MS 1	9.20E-02
	66	25 MN	B-	100 64 MS 2	6.40E-02
	66	25 MN	BN	10.88 64 MS 2	6.40E-02
	67	25 MN	(5/2)-	100 47 MS 4	4.70E-02
	67	25 MN	(5/2)-	BN 47 MS 4	4.70E-02
! 68M	25 MN		B->	0 28 MS 4	2.80E-02
! 68M	25 MN		BN>	0 28 MS 4	2.80E-02
	69	25 MN	5/2-	100 14 MS 4	1.40E-02
	45	26 FE	(3/2+)	3.8 MS +20-8	3.80E-03
	46	26 FE	0+	12 MS +4-3	1.20E-02
	47	26 FE		100 21.8 MS 7	2.18E-02
	47	26 FE		EP 21.8 MS 7	2.18E-02
	48	26 FE	0+	100 44 MS 7	4.40E-02
	48	26 FE	0+	EP> 3.6 44 MS 7	4.40E-02
	49	26 FE	(7/2-)	100 70 MS 3	7.00E-02
	49	26 FE	(7/2-)	EP# 52 70 MS 3	7.00E-02
	50	26 FE	0+	100 155 MS 11	1.55E-01
	50	26 FE	0+	EP@ 0 155 MS 11	1.55E-01
	51	26 FE	5/2-	100 305 MS 5	3.05E-01
	52	26 FE	0+	100 8.275 H 8	2.98E+04
52M	26 FE	(12+)	EC	100 45.9 S 6	4.59E+01
	53	26 FE	7/2-	100 8.51 M 2	5.11E+02
53M	26 FE	19/2-	IT	100 2.526 M 24	1.52E+02
	54	26 FE	0+	STABLE	0.00E+00
	55	26 FE	3/2-	100 2.737 Y 11	8.64E+07
	56	26 FE	0+	STABLE	0.00E+00
	57	26 FE	1/2-	STABLE	0.00E+00
	58	26 FE	0+	STABLE	0.00E+00
	59	26 FE	3/2-	100 44.495 D 9	3.84E+06
	60	26 FE	0+	100 1.5E+6 Y 3	4.73E+13
	61	26 FE	3/2-,5/2-	100 5.98 M 6	3.59E+02
	62	26 FE	0+	100 68 S 2	6.80E+01
	63	26 FE	(5/2)-	100 6.1 S 6	6.10E+00
	64	26 FE	0+	100 2.0 S 2	2.00E+00
	65	26 FE		100 1.3 S 3	1.30E+00
	66	26 FE	0+	100 0.44 S 6	4.40E-01
	67	26 FE		100 0.47 S 5	4.70E-01
	67	26 FE	BN	1.13 0.47 S 5	4.70E-01

	68	26 FE	0+	B-	100 187 MS 6	1.87E-01
	69	26 FE	1/2-	B-	100 109 MS 9	1.09E-01
	70	26 FE	0+	B-	100 94 MS 17	9.40E-02
	71	26 FE	(7/2+)	B-	150 NS GT	1.50E-07
	72	26 FE	0+	B-	150 NS GT	1.50E-07
	47	27 CO		P ?	?	0.00E+00
	49	27 CO		EC	35 NS LT	3.50E-08
	49	27 CO		P	35 NS LT	3.50E-08
	50	27 CO	(6+)	EC	100 44 MS 4	4.40E-02
	50	27 CO	(6+)	EP>	54 44 MS 4	4.40E-02
	51	27 CO	(7/2-)	EC	200 NS GT	2.00E-07
	52	27 CO	(6+)	EC	100 115 MS 23	1.15E-01
	53	27 CO	(7/2-)	EC	100 240 MS 9	2.40E-01
53M		27 CO	(19/2-)	EC@	98.5 247 MS 12	2.47E-01
53M		27 CO	(19/2-)	P @	1.5 247 MS 12	2.47E-01
	54	27 CO	0+	EC	100 193.28 MS 7	1.93E-01
54M		27 CO	(7)+	EC	100 1.48 M 2	8.88E+01
	55	27 CO	7/2-	EC	100 17.53 H 3	6.31E+04
	56	27 CO	4+	EC	100 77.233 D 27	6.67E+06
	57	27 CO	7/2-	EC	100 271.74 D 6	2.35E+07
	58	27 CO	2+	EC	100 70.86 D 6	6.12E+06
58M		27 CO	5+	IT	100 9.04 H 11	3.25E+04
	59	27 CO	7/2-		STABLE	0.00E+00
	60	27 CO	5+	B-	100 1925.28 D 14	1.66E+08
60M		27 CO	2+	IT	99.76 10.467 M 6	6.28E+02
60M		27 CO	2+	B-	0.24 10.467 M 6	6.28E+02
	61	27 CO	7/2-	B-	100 1.650 H 5	5.94E+03
	62	27 CO	2+	B-	100 1.50 M 4	9.00E+01
62M		27 CO	5+	B->	99 13.91 M 5	8.35E+02
62M		27 CO	5+	IT<	1 13.91 M 5	8.35E+02
	63	27 CO	7/2-	B-	100 27.4 S 5	2.74E+01
	64	27 CO	1+	B-	100 0.30 S 3	3.00E-01
	65	27 CO	(7/2)-	B-	100 1.20 S 6	1.20E+00
	66	27 CO	(3+)	B-	100 0.18 s 1	0.00E+00
	67	27 CO	(7/2-)	B-	100 0.425 S 20	4.25E-01
	68	27 CO	(7-)	B-	100 0.199 S 21	1.99E-01
68M		27 CO	(3+)	B-	100 1.6 S 3	1.60E+00
	69	27 CO	7/2-	B-	100 0.22 S 2	2.20E-01
	70	27 CO	(6-)	B-	100 119 MS 6	1.19E-01
70M		27 CO	(3+)	B-	100 0.50 S 18	5.00E-01
	71	27 CO		B-	100 79 MS 5	7.90E-02
	71	27 CO		BN	2.61 79 MS 5	7.90E-02
	72	27 CO	(6-,7-)	B-	100 62 MS 3	6.20E-02
	72	27 CO	(6-,7-)	BN	4.8 62 MS 3	6.20E-02
	73	27 CO		B-	41 MS 4	4.10E-02
	74	27 CO	0+	B-	150 NS GT	1.50E-07
	75	27 CO	(7/2-)	B-	100 150 NS GT	1.50E-07
	48	28 NI	0+	EC	0.5 US GT	5.00E-07
	49	28 NI		EC	100 12 MS +5-3	1.20E-02
	49	28 NI		EP?	12 MS +5-3	1.20E-02
	50	28 NI	0+	EP	70 12 MS 3	1.20E-02
	50	28 NI	0+	EC	12 MS 3	1.20E-02

	51	28 NI	(7/2-)	EC	200 NS GT	2.00E-07
	52	28 NI	0+	EC	100 38 MS 5	3.80E-02
	52	28 NI	0+	EP	17 38 MS 5	3.80E-02
	53	28 NI	(7/2-)	EC	100 45 MS 15	4.50E-02
	53	28 NI	(7/2-)	EP@	45 45 MS 15	4.50E-02
	54	28 NI	0+	EC	100 104 MS 7	1.04E-01
	55	28 NI	7/2-	EC	100 202 MS 3	2.02E-01
	56	28 NI	0+	EC	100 6.075 D 10	5.25E+05
	57	28 NI	3/2-	EC	100 35.60 H 6	1.28E+05
	58	28 NI	0+		STABLE	0.00E+00
	59	28 NI	3/2-	EC	100 7.6E+4 Y 5	2.40E+12
	60	28 NI	0+		STABLE	0.00E+00
	61	28 NI	3/2-		STABLE	0.00E+00
	62	28 NI	0+		STABLE	0.00E+00
	63	28 NI	1/2-	B-	100 100.1 Y 20	3.16E+09
	64	28 NI	0+		STABLE	0.00E+00
	65	28 NI	5/2-	B-	100 2.5172 H 3	9.06E+03
	66	28 NI	0+	B-	100 54.6 H 3	1.97E+05
	67	28 NI	(1/2)-	B-	100 21 S 1	2.10E+01
	68	28 NI	0+	B-	100 29 S 2	2.90E+01
! 68M		28 NI		-5 IT	100 0.86 MS 5	8.60E-04
	69	28 NI	9/2+	B-	100 11.4 S 3	1.14E+01
69M		28 NI	1/2-	B-	100 3.5 S 5	3.50E+00
	70	28 NI	0+	B-	100 6.0 S 3	6.00E+00
	71	28 NI		B-	100 2.56 S 3	2.56E+00
	72	28 NI	0+	B-	100 1.57 S 5	1.57E+00
	72	28 NI	0+	BN	1.57 S 5	1.57E+00
	73	28 NI	(9/2+)	B-	100 0.84 S 3	8.40E-01
	74	28 NI	0+	B-	100 0.68 S 18	6.80E-01
	74	28 NI	0+	BN	0.68 S 18	6.80E-01
	75	28 NI	(7/2+)	B-	100 0.6 S 2	6.00E-01
	75	28 NI	(7/2+)	BN	8.43 0.6 S 2	6.00E-01
	76	28 NI	0+	B-	100 0.24 S +55-24	2.40E-01
	76	28 NI	0+	BN	0.24 S +55-24	2.40E-01
	77	28 NI		B-?	150 NS GT	1.50E-07
	78	28 NI	0+	B-	150 NS GT	1.50E-07
	52	29 CU	(3+)	P	?	0.00E+00
	53	29 CU	(3/2-)	EC	300 NS LT	3.00E-07
	53	29 CU	(3/2-)	P	300 NS LT	3.00E-07
	54	29 CU	(3+)	P	75 NS LT	7.50E-08
	55	29 CU	3/2-	EC	100 200 NS GT	2.00E-07
	56	29 CU	4+	EC	94 MS 3	9.40E-02
	57	29 CU	3/2-	EC	100 196.3 MS 7	1.96E-01
	58	29 CU	1+	EC	100 3.204 S 7	3.20E+00
	59	29 CU	3/2-	EC	100 81.5 S 5	8.15E+01
	60	29 CU	2+	EC	100 23.7 M 4	1.42E+03
	61	29 CU	3/2-	EC	100 3.333 H 5	1.20E+04
	62	29 CU	1+	EC	100 9.67 M 3	5.80E+02
	63	29 CU	3/2-		STABLE	0.00E+00
	64	29 CU	1+	EC	61 12.700 H 2	4.57E+04
	64	29 CU	1+	B-	39 12.700 H 2	4.57E+04
	65	29 CU	3/2-		STABLE	0.00E+00

	66	29 CU	1+	B-	100 5.120 M 14	3.07E+02
	67	29 CU	3/2-	B-	100 61.83 H 12	2.23E+05
	68	29 CU	1+	B-	100 31.1 S 15	3.11E+01
68M		29 CU	(6-)	IT	84 3.75 M 5	2.25E+02
68M		29 CU	(6-)	B-	16 3.75 M 5	2.25E+02
	69	29 CU	3/2-	B-	100 2.85 M 15	1.71E+02
	70	29 CU	(6-)	B-	100 44.5 S 2	4.45E+01
70M		29 CU	(3-)	B-	52 33 S 2	3.30E+01
70M		29 CU	(3-)	IT	48 33 S 2	3.30E+01
70M		29 CU	1+	B-	93.2 6.6 S 2	6.60E+00
70M		29 CU	1+	IT	6.8 6.6 S 2	6.60E+00
	71	29 CU	(3/2-)	B-	100 19.5 S 16	1.95E+01
	72	29 CU	(1+)	B-	100 6.6 S 1	6.60E+00
	73	29 CU	(3/2-)	B-	100 4.2 S 3	4.20E+00
	74	29 CU	(1+,3+)	B-	100 1.594 S 10	1.59E+00
F 75		29 CU	(3/2-)	B-	100 1.224 S 3	1.22E+00
F 75		29 CU	(3/2-)	BN	3.5 1.224 S 3	1.22E+00
76M		29 CU		B-	100 0.641 S 6	6.41E-01
76M		29 CU		BN	3 0.641 S 6	6.41E-01
76M		29 CU		B-	100 1.27 S 30	1.27E+00
	77	29 CU		B-	100 0.469 S 8	4.69E-01
	78	29 CU		B-	100 342 MS 11	3.42E-01
	79	29 CU		B-	100 188 MS 25	1.88E-01
	79	29 CU		BN	55 188 MS 25	1.88E-01
	80	29 CU		B-	300 NS GT	3.00E-07
	54	30 ZN	0+	2P ?	?	0.00E+00
	55	30 ZN		EC	0.5 US GT	5.00E-07
	55	30 ZN		P	0.5 US GT	5.00E-07
	56	30 ZN	0+	EC	0.5 US GT	5.00E-07
	56	30 ZN	0+	P	0.5 US GT	5.00E-07
	57	30 ZN	(7/2-)	EC	100 38 MS 4	3.80E-02
	57	30 ZN	(7/2-)	EP#	65 38 MS 4	3.80E-02
	58	30 ZN	0+	EC	100 84 MS 9	8.40E-02
	59	30 ZN	3/2-	EC	100 182.0 MS 18	1.82E-01
	59	30 ZN	3/2-	EP	0.1 182.0 MS 18	1.82E-01
	60	30 ZN	0+	EC	100 2.38 M 5	1.43E+02
	61	30 ZN	3/2-	EC	100 89.1 S 2	8.91E+01
61M		30 ZN	1/2-	IT	430 MS LT	4.30E-01
61M		30 ZN	3/2-	IT	0.14 S 7	1.40E-01
61M		30 ZN	5/2-	IT	0.13 S LT	1.30E-01
	62	30 ZN	0+	EC	100 9.186 H 13	3.31E+04
	63	30 ZN	3/2-	EC	100 38.47 M 5	2.31E+03
	64	30 ZN	0+	2EC	2.8E+16 Y GT	8.84E+23
	65	30 ZN	5/2-	EC	100 243.66 D 9	2.11E+07
	66	30 ZN	0+		STABLE	0.00E+00
	67	30 ZN	5/2-		STABLE	0.00E+00
	68	30 ZN	0+		STABLE	0.00E+00
	69	30 ZN	1/2-	B-	100 56.4 M 9	3.38E+03
69M		30 ZN	9/2+	IT	99.97 13.76 H 2	4.95E+04
69M		30 ZN	9/2+	B-	0.03 13.76 H 2	4.95E+04
	70	30 ZN	0+	2B-	1.3E+16 Y GT	4.10E+23
	71	30 ZN	1/2-	B-	100 2.45 M 10	1.47E+02

71M		30 ZN	9/2+	B-	100 3.96 H 5	1.43E+04
71M		30 ZN	9/2+	IT&	0.05 3.96 H 5	1.43E+04
	72	30 ZN	0+	B-	100 46.5 H 1	1.67E+05
	73	30 ZN	(1/2)-	B-	100 23.5 S 10	2.35E+01
73M		30 ZN		IT	5.8 S 8	5.80E+00
73M		30 ZN		B-	5.8 S 8	5.80E+00
! 73M		30 ZN	(5/2+)	IT	100 13.0 MS 2	1.30E-02
F 74		30 ZN	0+	B-	100 95.6 S 12	9.56E+01
F 75		30 ZN	(7/2+)	B-	100 10.2 S 2	1.02E+01
F 76		30 ZN	0+	B-	100 5.7 S 3	5.70E+00
F 77		30 ZN	(7/2+)	B-	100 2.08 S 5	2.08E+00
77M		30 ZN	(1/2-)	IT>	50 1.05 S 10	1.05E+00
77M		30 ZN	(1/2-)	B-<	50 1.05 S 10	1.05E+00
F 78		30 ZN	0+	B-	100 1.47 S 15	1.47E+00
F 79		30 ZN	(9/2+)	B-	100 0.995 S 19	9.95E-01
F 79		30 ZN	(9/2+)	BN	1.3 0.995 S 19	9.95E-01
F 80		30 ZN	0+	B-	100 0.54 S 2	5.40E-01
F 80		30 ZN	0+	BN	1 0.54 S 2	5.40E-01
	81	30 ZN		B-	100 0.29 S 5	2.90E-01
	81	30 ZN		BN	7.5 0.29 S 5	2.90E-01
	82	30 ZN	0+	B-	150 NS GT	1.50E-07
	83	30 ZN	(5/2+)	B-	150 NS GT	1.50E-07
	56	31 GA		P ?	?	0.00E+00
	57	31 GA		P ?	?	0.00E+00
	58	31 GA		P ?	?	0.00E+00
	59	31 GA		P ?	?	0.00E+00
	60	31 GA	(2+)	EC	98.4 70 MS 13	7.00E-02
	60	31 GA	(2+)	EP	1.6 70 MS 13	7.00E-02
	60	31 GA	(2+)	EA<	0.02 70 MS 13	7.00E-02
	61	31 GA	3/2-	EC	100 168 MS 3	1.68E-01
	62	31 GA	0+	EC	100 116.18 MS 4	1.16E-01
	63	31 GA	(3/2-)	EC	100 32.4 S 5	3.24E+01
	64	31 GA	0+	EC	100 2.627 M 12	1.58E+02
	65	31 GA	3/2-	EC	100 15.2 M 2	9.12E+02
	66	31 GA	0+	EC	100 9.49 H 7	3.42E+04
	67	31 GA	3/2-	EC	100 3.2623 D 15	2.82E+05
	68	31 GA	1+	EC	100 67.71 M 9	4.06E+03
	69	31 GA	3/2-		STABLE	0.00E+00
	70	31 GA	1+	B-	99.59 21.14 M 3	1.27E+03
	70	31 GA	1+	EC	0.41 21.14 M 3	1.27E+03
	71	31 GA	3/2-		STABLE	0.00E+00
	72	31 GA		-3 B-	100 14.095 H 3	5.07E+04
! 72M		31 GA	(0+)	IT	39.68 MS 13	3.97E-02
	73	31 GA	3/2-	B-	100 4.86 H 3	1.75E+04
	74	31 GA	(3-)	B-	100 8.12 M 12	4.87E+02
74M		31 GA		0 IT	75 9.5 S 10	9.50E+00
74M		31 GA		0 B-<	50 9.5 S 10	9.50E+00
F 75		31 GA	(3/2)-	B-	100 126 S 2	1.26E+02
F 76		31 GA	(2+,3+)	B-	100 32.6 S 6	3.26E+01
F 77		31 GA	(3/2-)	B-	100 13.2 S 2	1.32E+01
F 78		31 GA	(3+)	B-	100 5.09 S 5	5.09E+00
F 79		31 GA	(3/2-)	B-	100 2.847 S 3	2.85E+00

F 79	31 GA	(3/2-)	BN	0.09 2.847 S 3	2.85E+00	
F 80	31 GA		-3 B-	100 1.676 S 14	1.68E+00	
F 80	31 GA		-3 BN	0.86 1.676 S 14	1.68E+00	
F 81	31 GA	(5/2-)	B-	100 1.217 S 5	1.22E+00	
F 81	31 GA	(5/2-)	BN	11.9 1.217 S 5	1.22E+00	
F 82	31 GA	(1,2,3)	B-	100 0.599 S 2	5.99E-01	
F 82	31 GA	(1,2,3)	BN	19.8 0.599 S 2	5.99E-01	
F 83	31 GA		B-	100 0.308 S 1	3.08E-01	
F 83	31 GA		BN	37 0.308 S 1	3.08E-01	
F 84	31 GA		B-	100 0.085 S 10	8.50E-02	
F 84	31 GA		BN	70 0.085 S 10	8.50E-02	
	85	31 GA	(3/2-)	B-	150 NS GT	1.50E-07
	86	31 GA		B-	150 NS GT	1.50E-07
	58	32 GE	0+	2P ?	?	0.00E+00
	59	32 GE		2P ?	?	0.00E+00
	60	32 GE	0+	EC?	30 MS AP	3.00E-02
	60	32 GE	0+	2P ?	30 MS AP	3.00E-02
	61	32 GE	(3/2-)	EC	100 39 MS 12	3.90E-02
	61	32 GE	(3/2-)	EP@	80 39 MS 12	3.90E-02
	62	32 GE	0+	EC	129 NS 35	1.29E-07
	63	32 GE	(3/2-)	EC	100 142 MS 8	1.42E-01
	64	32 GE	0+	EC	100 63.7 S 25	6.37E+01
	65	32 GE	(3/2-)	EC	100 30.9 S 5	3.09E+01
	66	32 GE	0+	EC	100 2.26 H 5	8.14E+03
	67	32 GE	1/2-	EC	100 18.9 M 3	1.13E+03
	68	32 GE	0+	EC	100 270.95 D 16	2.34E+07
	69	32 GE	5/2-	EC	100 39.05 H 10	1.41E+05
! 69M		32 GE	1/2-	IT	100 5.1 US 2	5.10E-06
! 69M		32 GE	9/2+	IT	100 2.81 US 5	2.81E-06
	70	32 GE	0+		STABLE	0.00E+00
	71	32 GE	1/2-	EC	100 11.43 D 3	9.88E+05
! 71M		32 GE	9/2+	IT	100 20.40 MS 17	2.04E-02
	72	32 GE	0+		STABLE	0.00E+00
	73	32 GE	9/2+		STABLE	0.00E+00
73M		32 GE	1/2-	IT	100 0.499 S 11	4.99E-01
	74	32 GE	0+		STABLE	0.00E+00
	75	32 GE	1/2-	B-	100 82.78 M 4	4.97E+03
75M		32 GE	7/2+	IT	99.97 47.7 S 5	4.77E+01
75M		32 GE	7/2+	B-	0.03 47.7 S 5	4.77E+01
F 76		32 GE	0+	2B-	1.2E+25 Y 14	3.79E+32
F 77		32 GE	7/2+	B-	100 11.30 H 1	4.07E+04
77M		32 GE	1/2-	B-	81 52.9 S 6	5.29E+01
77M		32 GE	1/2-	IT	19 52.9 S 6	5.29E+01
F 78		32 GE	0+	B-	100 88.0 M 10	5.28E+03
F 79		32 GE	(1/2)-	B-	100 18.98 S 3	1.90E+01
F 79M		32 GE	(7/2+)	B-	96 39.0 S 10	3.90E+01
F 79M		32 GE	(7/2+)	IT	4 39.0 S 10	3.90E+01
F 80		32 GE	0+	B-	100 29.5 S 4	2.95E+01
F 81		32 GE	(9/2+)	B-	100 7.6 S 6	7.60E+00
81M		32 GE	(1/2+)	B-	100 7.6 S 6	7.60E+00
F 82		32 GE	0+	B-	100 4.55 S 5	4.55E+00
F 83		32 GE	(5/2+)	B-	100 1.85 S 6	1.85E+00

F 84	32 GE	0+	B-	100 0.947 S 11	9.47E-01
F 84	32 GE	0+	BN	10.8 0.947 S 11	9.47E-01
F 85	32 GE		B-	100 535 MS 47	5.35E-01
F 85	32 GE		BN	14 535 MS 47	5.35E-01
F 86	32 GE	0+	B-	150 NS GT	1.50E-07
F 87	32 GE	(5/2+)	B-	100 0.14 S AP	1.40E-01
F 87	32 GE	(5/2+)	BN	0.14 S AP	1.40E-01
	88	32 GE	0+	300 NS GE	3.00E-07
	89	32 GE	B-	150 NS GT	1.50E-07
	60	33 AS	P ?	?	0.00E+00
	61	33 AS	P ?	?	0.00E+00
	62	33 AS	P	?	0.00E+00
	63	33 AS	(3/2-)	?	0.00E+00
	64	33 AS	EC?	18 MS +43-7	1.80E-02
	65	33 AS	EC	100 128 MS 16	1.28E-01
	66	33 AS	EC	100 95.79 MS 22	9.58E-02
	67	33 AS	(5/2-)	100 42.5 S 12	4.25E+01
	68	33 AS	3+	100 151.6 S 8	1.52E+02
	69	33 AS	5/2-	100 15.2 M 2	9.12E+02
	70	33 AS	4+	100 52.6 M 3	3.16E+03
	71	33 AS	5/2-	100 65.28 H 15	2.35E+05
	72	33 AS	-2 EC	100 26.0 H 1	9.36E+04
	73	33 AS	3/2-	100 80.30 D 6	6.94E+06
	74	33 AS	-2 EC	66 17.77 D 2	1.54E+06
	74	33 AS	-2 B-	34 17.77 D 2	1.54E+06
	75	33 AS	3/2-	STABLE	0.00E+00
! 75M	33 AS	9/2+	IT	100 17.62 MS 23	1.76E-02
	76	33 AS	-2 B-	100 1.0942 D 7	9.45E+04
	77	33 AS	3/2-	100 38.83 H 5	1.40E+05
! 77M	33 AS	9/2+	IT	100 114.0 US 25	1.14E-04
F 78	33 AS		-2 B-	100 90.7 M 2	5.44E+03
F 79	33 AS	3/2-	B-	100 9.01 M 15	5.41E+02
! 79M	33 AS	(9/2)+	IT	100 0.87 US 6	8.70E-07
F 80	33 AS	1+	B-	100 15.2 S 2	1.52E+01
F 81	33 AS	3/2-	B-	100 33.3 S 8	3.33E+01
F 82	33 AS	(1+)	B-	100 19.1 S 5	1.91E+01
F 82M	33 AS	(5-)	B-	100 13.6 S 4	1.36E+01
F 83	33 AS	(5/2-,3/2-	) B-	100 13.4 S 3	1.34E+01
F 84	33 AS	(3-)	B-	100 3.24 S 26	3.24E+00
F 84	33 AS	(3-)	BN	0.28 3.24 S 26	3.24E+00
F 85	33 AS	(3/2-)	B-	100 2.021 S 10	2.02E+00
F 85	33 AS	(3/2-)	BN	59.4 2.021 S 10	2.02E+00
F 86	33 AS		B-	100 0.945 S 8	9.45E-01
F 86	33 AS		BN	33 0.945 S 8	9.45E-01
F 87	33 AS	(3/2-)	B-	100 0.56 S 8	5.60E-01
F 87	33 AS	(3/2-)	BN	15.4 0.56 S 8	5.60E-01
F 88	33 AS		B-?	300 NS GE	3.00E-07
F 88	33 AS		BN?	300 NS GE	3.00E-07
F 89	33 AS		B-?	300 NS GE	3.00E-07
	90	33 AS	B-?	150 NS GT	1.50E-07
	91	33 AS	B-	150 NS GT	1.50E-07
	92	33 AS	B-	100 300 NS GT	3.00E-07

	65	34 SE		EC	100 50 MS LT	5.00E-02
	66	34 SE	0+	EC	100 33 MS 12	3.30E-02
	67	34 SE		EC	100 133 MS 11	1.33E-01
	67	34 SE		EP	0.5 133 MS 11	1.33E-01
	68	34 SE	0+	EC	100 35.5 S 7	3.55E+01
	69	34 SE	(1/2-,3/2-	) EC	100 27.4 S 2	2.74E+01
	69	34 SE	(1/2-,3/2-	) EP	0.05 27.4 S 2	2.74E+01
	70	34 SE	0+	EC	100 41.1 M 3	2.47E+03
	71	34 SE	5/2-	EC	100 4.74 M 5	2.84E+02
	72	34 SE	0+	EC	100 8.40 D 8	7.26E+05
	73	34 SE	9/2+	EC	100 7.15 H 8	2.57E+04
73M		34 SE	3/2-	IT	72.6 39.8 M 13	2.39E+03
73M		34 SE	3/2-	EC	27.4 39.8 M 13	2.39E+03
	74	34 SE	0+		STABLE	0.00E+00
	75	34 SE	5/2+	EC	100 119.779 D 4	1.03E+07
	76	34 SE	0+		STABLE	0.00E+00
	77	34 SE	1/2-		STABLE	0.00E+00
77M		34 SE	7/2+	IT	100 17.36 S 5	1.74E+01
	78	34 SE	0+		STABLE	0.00E+00
	79	34 SE	7/2+	B-	100 2.95E+5 Y 38	9.31E+12
79M		34 SE	1/2-	IT	99.94 3.92 M 1	2.35E+02
79M		34 SE	1/2-	B-	0.06 3.92 M 1	2.35E+02
F 80		34 SE	0+	BB	STABLE	0.00E+00
F 81		34 SE	1/2-	B-	100 18.45 M 12	1.11E+03
F 81M		34 SE	7/2+	IT	99.95 57.28 M 2	3.44E+03
F 81M		34 SE	7/2+	B-	0.05 57.28 M 2	3.44E+03
F 82		34 SE	0+	2B-	9.1E+19 Y 9	2.87E+27
F 83		34 SE	9/2+	B-	100 22.3 M 3	1.34E+03
F 83M		34 SE	1/2-	B-	100 70.1 S 4	7.01E+01
F 84		34 SE	0+	B-	100 3.10 M 10	1.86E+02
F 85		34 SE	(5/2+)	B-	100 31.7 S 9	3.17E+01
F 86		34 SE	0+	B-	100 15.3 S 9	1.53E+01
F 87		34 SE	(5/2+)	B-	100 5.50 S 12	5.50E+00
F 87		34 SE	(5/2+)	BN	0.2 5.50 S 12	5.50E+00
F 88		34 SE	0+	B-	100 1.53 S 6	1.53E+00
F 88		34 SE	0+	BN	0.99 1.53 S 6	1.53E+00
F 89		34 SE	(5/2+)	B-	100 0.41 S 4	4.10E-01
F 89		34 SE	(5/2+)	BN	7.8 0.41 S 4	4.10E-01
F 90		34 SE	0+	B-?	150 NS GT	1.50E-07
F 91		34 SE		B-	100 0.27 S 5	2.70E-01
F 91		34 SE		BN	21 0.27 S 5	2.70E-01
	92	34 SE	0+	B-	100 300 NS GT	3.00E-07
	93	34 SE	(1/2+)	B-	150 NS GT	1.50E-07
	94	34 SE	0+	B-	150 NS GT	1.50E-07
	67	35 BR		P ?	?	0.00E+00
	68	35 BR		P ?	1.2 US LT	1.20E-06
	69	35 BR		P	24 NS LT	2.40E-08
	70	35 BR	0+	EC	100 79.1 MS 8	7.91E-02
70M		35 BR	9+	EC	100 2.2 S 2	2.20E+00
	71	35 BR	(5/2)-	EC	100 21.4 S 6	2.14E+01
	72	35 BR	1+	EC	100 78.6 S 24	7.86E+01
72M		35 BR		-1 IT@	100 10.6 S 3	1.06E+01

72M		35 BR		-1 EC		10.6 S 3	1.06E+01
	73	35 BR	1/2-	EC	100	3.4 M 2	2.04E+02
	74	35 BR	(0-)	EC	100	25.4 M 3	1.52E+03
74M		35 BR	4(+)	EC	100	46 M 2	2.76E+03
	75	35 BR	3/2-	EC	100	96.7 M 13	5.80E+03
	76	35 BR		-1 EC	100	16.2 H 2	5.83E+04
76M		35 BR	(4)+	IT>	99.4	1.31 S 2	1.31E+00
76M		35 BR	(4)+	EC<	0.6	1.31 S 2	1.31E+00
	77	35 BR	3/2-	EC	100	57.036 H 6	2.05E+05
77M		35 BR	9/2+	IT	100	4.28 M 10	2.57E+02
	78	35 BR	1+	EC#	99.99	6.46 M 4	3.88E+02
	78	35 BR	1+	B-&	0.01	6.46 M 4	3.88E+02
! 78M		35 BR	(4+)	IT	100	119.2 US 10	1.19E-04
	79	35 BR	3/2-			STABLE	0.00E+00
79M		35 BR	9/2+	IT	100	4.86 S 4	4.86E+00
	80	35 BR	1+	B-	91.7	17.68 M 2	1.06E+03
	80	35 BR	1+	EC	8.3	17.68 M 2	1.06E+03
80M		35 BR		-5 IT	100	4.4205 H 8	1.59E+04
	81	35 BR	3/2-			STABLE	0.00E+00
	82	35 BR		-5 B-	100	35.282 H 7	1.27E+05
82M		35 BR		-2 IT	97.6	6.13 M 5	3.68E+02
82M		35 BR		-2 B-	2.4	6.13 M 5	3.68E+02
F 83		35 BR	3/2-	B-	100	2.40 H 2	8.64E+03
F 84		35 BR		-2 B-	100	31.80 M 8	1.91E+03
F 84M		35 BR		-6 B-	100	6.0 M 2	3.60E+02
F 85		35 BR	3/2-	B-	100	2.90 M 6	1.74E+02
F 86		35 BR	(2-)	B-	100	55.1 S 4	5.51E+01
F 87		35 BR	3/2-	B-	100	55.65 S 13	5.57E+01
F 87		35 BR	3/2-	BN	2.6	55.65 S 13	5.57E+01
F 88		35 BR	(2-)	B-	100	16.29 S 6	1.63E+01
F 88		35 BR	(2-)	BN	6.58	16.29 S 6	1.63E+01
! 88M		35 BR	(4-,5-)	IT	100	5.3 US 4	5.30E-06
F 89		35 BR	(3/2-,5/2-)	) B-	100	4.40 S 3	4.40E+00
F 89		35 BR	(3/2-,5/2-)	) BN	13.8	4.40 S 3	4.40E+00
F 90		35 BR		B-	100	1.91 S 1	1.91E+00
F 90		35 BR		BN	25.2	1.91 S 1	1.91E+00
F 91		35 BR		B-	100	0.541 S 5	5.41E-01
F 91		35 BR		BN	20	0.541 S 5	5.41E-01
F 92		35 BR	(2-)	B-	100	0.343 S 15	3.43E-01
F 92		35 BR	(2-)	BN	33.1	0.343 S 15	3.43E-01
F 93		35 BR	(5/2-)	B-	100	102 MS 10	1.02E-01
F 93		35 BR	(5/2-)	BN	68	102 MS 10	1.02E-01
F 94		35 BR		B-	100	70 MS 20	7.00E-02
F 94		35 BR		BN	70	70 MS 20	7.00E-02
	95	35 BR	(3/2-)	B-		150 NS GT	1.50E-07
	96	35 BR		B-		150 NS GT	1.50E-07
	97	35 BR	(3/2-)	B-		150 NS GT	1.50E-07
69		36 KR		EC	100	32 MS 10	3.20E-02
70		36 KR	0+	EC	100	52 MS 17	5.20E-02
70		36 KR	0+	EP&	1.3	52 MS 17	5.20E-02
71		36 KR	(5/2)-	EC	100	100 MS 3	1.00E-01
71		36 KR	(5/2)-	EP	5.2	100 MS 3	1.00E-01

	72	36 KR	0+	EC	100 17.1 S 2	1.71E+01
	73	36 KR	3/2-	EC	100 27.3 S 10	2.73E+01
	73	36 KR	3/2-	EP	0.25 27.3 S 10	2.73E+01
	74	36 KR	0+	EC	100 11.50 M 11	6.90E+02
	75	36 KR	5/2+	EC	100 4.29 M 17	2.57E+02
	76	36 KR	0+	EC	100 14.8 H 1	5.33E+04
	77	36 KR	5/2+	EC	100 74.4 M 6	4.46E+03
	78	36 KR	0+	2EC	2.3E+20 Y GE	7.26E+27
	79	36 KR	1/2-	EC	100 35.04 H 10	1.26E+05
79M		36 KR	7/2+	IT	100 50 S 3	5.00E+01
	80	36 KR	0+		STABLE	0.00E+00
	81	36 KR	7/2+	EC	100 2.29E+5 Y 11	7.23E+12
81M		36 KR	1/2-	IT	100 13.10 S 3	1.31E+01
81M		36 KR	1/2-	EC	2.50E-03 13.10 S 3	1.31E+01
	82	36 KR	0+		STABLE	0.00E+00
	83	36 KR	9/2+		STABLE	0.00E+00
83M		36 KR	1/2-	IT	100 1.83 H 2	6.59E+03
F 84		36 KR	0+		STABLE	0.00E+00
F 85		36 KR	9/2+	B-	100 3916.8 D 25	3.38E+08
F 85M		36 KR	1/2-	B-	78.6 4.480 H 8	1.61E+04
F 85M		36 KR	1/2-	IT	21.4 4.480 H 8	1.61E+04
F 86		36 KR	0+		STABLE	0.00E+00
F 87		36 KR	5/2+	B-	100 76.3 M 5	4.58E+03
F 88		36 KR	0+	B-	100 2.84 H 3	1.02E+04
F 89		36 KR	3/2(+)	B-	100 3.15 M 4	1.89E+02
F 90		36 KR	0+	B-	100 32.32 S 9	3.23E+01
F 91		36 KR	5/2(+)	B-	100 8.57 S 4	8.57E+00
F 92		36 KR	0+	B-	100 1.840 S 8	1.84E+00
F 92		36 KR	0+	BN	0.03 1.840 S 8	1.84E+00
F 93		36 KR	1/2+	B-	100 1.286 S 10	1.29E+00
F 93		36 KR	1/2+	BN	1.95 1.286 S 10	1.29E+00
F 94		36 KR	0+	B-	100 212 MS 5	2.12E-01
F 94		36 KR	0+	BN	1.26 212 MS 5	2.12E-01
F 95		36 KR		2-Jan B-	100 114 MS 3	1.14E-01
F 95		36 KR		2-Jan BN	2.87 114 MS 3	1.14E-01
F 96		36 KR	0+	B-	100 80 MS 8	8.00E-02
F 96		36 KR	0+	BN	3.8 80 MS 7	8.00E-02
	97	36 KR		B-	100 63 MS 4	6.30E-02
	97	36 KR		BN	8.2 63 MS 4	6.30E-02
F 98		36 KR	0+	B-	100 46 MS 8	4.60E-02
F 98		36 KR	0+	BN	7 46 MS 8	4.60E-02
	99	36 KR	(3/2+)	B-	100 40 MS 11	4.00E-02
	99	36 KR	(3/2+)	BN	11 40 MS 11	4.00E-02
	100	36 KR	0+	B-	150 NS GT	1.50E-07
	71	37 RB		P ?	?	0.00E+00
	72	37 RB	(3+)	P	1.2 US LT	1.20E-06
	73	37 RB		EC	30 NS GT	3.00E-08
	73	37 RB		P >	0 30 NS GT	3.00E-08
	74	37 RB	(0+)	EC	100 64.9 MS 5	6.49E-02
	75	37 RB	(3/2-)	EC	100 19.0 S 12	1.90E+01
	76	37 RB	1(-)	EC	100 36.5 S 6	3.65E+01
	76	37 RB	1(-)	EA	3.80E-07 36.5 S 6	3.65E+01

	77	37 RB	3/2-	EC	100 3.77 M 4	2.26E+02
	78	37 RB	0(+)	EC	100 17.66 M 8	1.06E+03
78M		37 RB	4(-)	EC	90 5.74 M 5	3.44E+02
78M		37 RB	4(-)	IT	10 5.74 M 5	3.44E+02
	79	37 RB	5/2+	EC	100 22.9 M 5	1.37E+03
	80	37 RB	1+	EC	100 33.4 S 7	3.34E+01
	81	37 RB	3/2-	EC	100 4.570 H 4	1.65E+04
81M		37 RB	9/2+	IT	97.6 30.5 M 3	1.83E+03
81M		37 RB	9/2+	EC	2.4 30.5 M 3	1.83E+03
	82	37 RB	1+	EC	100 1.273 M 2	7.64E+01
82M		37 RB		-5 EC	100 6.472 H 5	2.33E+04
82M		37 RB		-5 IT<	0.33 6.472 H 5	2.33E+04
	83	37 RB	5/2-	EC	100 86.2 D 1	7.45E+06
	84	37 RB		-2 EC	96.2 33.1 D 1	2.86E+06
	84	37 RB		-2 B-	3.8 33.1 D 1	2.86E+06
84M		37 RB		-6 IT	100 20.26 M 4	1.22E+03
F 85		37 RB	5/2-		STABLE	0.00E+00
	86	37 RB		-2 B-	99.99 18.642 D 18	1.61E+06
	86	37 RB		-2 EC	5.20E-03 18.642 D 18	1.61E+06
86M		37 RB		-6 IT	100 1.017 M 3	6.10E+01
86M		37 RB		-6 B-<	0.3 1.017 M 3	6.10E+01
F 87		37 RB	3/2-	B-	100 4.97E+10 Y 3	1.57E+18
F 88		37 RB		-2 B-	100 17.773 M 11	1.07E+03
F 89		37 RB	3/2-	B-	100 15.15 M 12	9.09E+02
F 90		37 RB		0 B-	100 158 S 5	1.58E+02
F 90M		37 RB		-3 B-	97.4 258 S 4	2.58E+02
F 90M		37 RB		-3 IT	2.6 258 S 4	2.58E+02
F 91		37 RB	3/2(-)	B-	100 58.4 S 4	5.84E+01
F 92		37 RB		0 B-	100 4.492 S 20	4.49E+00
F 92		37 RB		0 BN	0.01 4.492 S 20	4.49E+00
F 93		37 RB	5/2-	B-	100 5.84 S 2	5.84E+00
F 93		37 RB	5/2-	BN	1.39 5.84 S 2	5.84E+00
F 94		37 RB	3(-)	B-	100 2.702 S 5	2.70E+00
F 94		37 RB	3(-)	BN	10.01 2.702 S 5	2.70E+00
F 95		37 RB	5/2-	B-	100 377.5 MS 8	3.78E-01
F 95		37 RB	5/2-	BN	8.73 377.5 MS 8	3.78E-01
F 96		37 RB	2+	B-	100 202.8 MS 33	2.03E-01
F 96		37 RB	2+	BN	14 202.8 MS 33	2.03E-01
F 97		37 RB	3/2+	B-	100 169.9 MS 7	1.70E-01
F 97		37 RB	3/2+	BN	25.1 169.9 MS 7	1.70E-01
F 98		37 RB	(0,1)	B-	100 114 MS 5	1.14E-01
F 98		37 RB	(0,1)	BN	13.8 114 MS 5	1.14E-01
F 98		37 RB	(0,1)	B-	0.05 114 MS 5	1.14E-01
! 98M		37 RB	(3,4)	B-	100 96 MS 3	9.60E-02
	99	37 RB	(5/2+)	B-	100 50.3 MS 7	5.03E-02
	99	37 RB	(5/2+)	BN	15.9 50.3 MS 7	5.03E-02
F100		37 RB		B-	100 51 MS 8	5.10E-02
F100		37 RB		BN	6 51 MS 8	5.10E-02
F100		37 RB		B2N	0.16 51 MS 8	5.10E-02
	101	37 RB	(3/2+)	B-	100 32 MS 5	3.20E-02
	101	37 RB	(3/2+)	BN	28 32 MS 5	3.20E-02
!102M		37 RB		B-	100 37 MS 5	3.70E-02

!102M	37 RB		BN	18 37 MS 5	3.70E-02
	73	38 SR	EC	100 25 MS GT	2.50E-02
	73	38 SR	EP>	0 25 MS GT	2.50E-02
	74	38 SR	0+	EC	1.2 US GT
	75	38 SR	(3/2-)	EC	100 88 MS 3
	75	38 SR	(3/2-)	EP	5.2 88 MS 3
	76	38 SR	0+	EC	100 7.89 S 7
	76	38 SR	0+	EP	0.34 7.89 S 7
	77	38 SR	5/2+	EC	100 9.0 S 2
	77	38 SR	5/2+	EP<	0.25 9.0 S 2
	78	38 SR	0+	EC	100 2.5 M 3
	79	38 SR	3/2(-)	EC	100 2.25 M 10
	80	38 SR	0+	EC	100 106.3 M 15
	81	38 SR	1/2-	EC	100 22.3 M 4
	82	38 SR	0+	EC	100 25.55 D 15
	83	38 SR	7/2+	EC	100 32.41 H 3
83M		38 SR	1/2-	IT	100 4.95 S 12
	84	38 SR	0+		STABLE
	85	38 SR	9/2+	EC	100 64.84 D 2
85M		38 SR	1/2-	IT	86.6 67.63 M 4
85M		38 SR	1/2-	EC	13.4 67.63 M 4
	86	38 SR	0+		STABLE
	87	38 SR	9/2+		STABLE
87M		38 SR	1/2-	IT	99.7 2.815 H 12
87M		38 SR	1/2-	EC	0.3 2.815 H 12
	88	38 SR	0+		STABLE
F 89		38 SR	5/2+	B-	100 50.57 D 3
F 90		38 SR	0+	B-	100 28.90 Y 3
F 91		38 SR	5/2+	B-	100 9.63 H 5
F 92		38 SR	0+	B-	100 2.66 H 4
F 93		38 SR	5/2+	B-	100 7.423 M 24
F 94		38 SR	0+	B-	100 75.3 S 2
F 95		38 SR	1/2+	B-	100 23.90 S 14
F 96		38 SR	0+	B-	100 1.07 S 1
F 97		38 SR	1/2+	B-	100 429 MS 5
F 97		38 SR	1/2+	BN&	0.05 429 MS 5
F 98		38 SR	0+	B-	100 0.653 S 2
F 98		38 SR	0+	BN	0.25 0.653 S 2
F 99		38 SR	3/2+	B-	100 0.269 S 1
F 99		38 SR	3/2+	BN	0.1 0.269 S 1
F100		38 SR	0+	B-	100 202 MS 3
F100		38 SR	0+	BN	0.78 202 MS 3
F101		38 SR	(5/2-)	B-	100 118 MS 3
F101		38 SR	(5/2-)	BN	2.37 118 MS 3
F102		38 SR	0+	B-	100 69 MS 6
F102		38 SR	0+	BN	4.8 69 MS 6
	103	38 SR		B-	150 NS GT
	104	38 SR	0+		300 NS GT
	105	38 SR		B-	150 NS GT
	76	39 Y	EC?	200 NS GT	2.00E-07
	76	39 Y	P ?	200 NS GT	2.00E-07
	77	39 Y	EC	100 0.06 S AP	6.00E-02

	77	39 Y		EP	0.06 S AP	6.00E-02
	78	39 Y	(0+)	EC	100 50 MS 8	5.00E-02
78M		39 Y	(5+)	EC	100 5.7 S 7	5.70E+00
	79	39 Y	(5/2+)	EC	100 14.8 S 6	1.48E+01
	79	39 Y	(5/2+)	EP	14.8 S 6	1.48E+01
	80	39 Y	(4-)	EC	100 30.1 S 5	3.01E+01
	80	39 Y	(4-)	EP	30.1 S 5	3.01E+01
80M		39 Y	(1-)	IT	81 4.8 S 3	4.80E+00
80M		39 Y	(1-)	EC	19 4.8 S 3	4.80E+00
! 80M		39 Y	(2+)	IT	100 4.7 US 3	4.70E-06
	81	39 Y	(5/2+)	EC	100 70.4 S 10	7.04E+01
	82	39 Y	1+	EC	100 8.30 S 20	8.30E+00
	83	39 Y	9/2+	EC	100 7.08 M 6	4.25E+02
83M		39 Y	3/2-	EC	60 2.85 M 2	1.71E+02
83M		39 Y	3/2-	IT	40 2.85 M 2	1.71E+02
	84	39 Y	1+	EC	100 4.6 S 2	4.60E+00
84M		39 Y	(5-)	EC	100 39.5 M 8	2.37E+03
	85	39 Y	(1/2)-	EC	100 2.68 H 5	9.65E+03
85M		39 Y	9/2+	EC	100 4.86 H 13	1.75E+04
85M		39 Y	9/2+	IT<	2.00E-03 4.86 H 13	1.75E+04
	86	39 Y		-4 EC	100 14.74 H 2	5.31E+04
86M		39 Y	(8+)	IT	99.31 48 M 1	2.88E+03
86M		39 Y	(8+)	EC	0.69 48 M 1	2.88E+03
	87	39 Y	1/2-	EC	100 79.8 H 3	2.87E+05
87M		39 Y	9/2+	IT	98.43 13.37 H 3	4.81E+04
87M		39 Y	9/2+	EC	1.57 13.37 H 3	4.81E+04
	88	39 Y		-4 EC	100 106.616 D 13	9.21E+06
! 88M		39 Y	(8+)	IT	100 13.97 MS 18	1.40E-02
	89	39 Y	1/2-		STABLE	0.00E+00
89M		39 Y	9/2+	IT	100 15.28 S 17	1.53E+01
	90	39 Y		-2 B-	100 64.053 H 20	2.31E+05
90M		39 Y	7+	IT	100 3.19 H 6	1.15E+04
90M		39 Y	7+	B-	1.80E-03 3.19 H 6	1.15E+04
F 91		39 Y	1/2-	B-	100 58.51 D 6	5.06E+06
F 91M		39 Y	9/2+	IT	100 49.71 M 4	2.98E+03
F 91M		39 Y	9/2+	B-<	1.5 49.71 M 4	2.98E+03
F 92		39 Y		-2 B-	100 3.54 H 1	1.27E+04
F 93		39 Y	1/2-	B-	100 10.18 H 8	3.66E+04
F 93M		39 Y	7/2+	IT	100 0.82 S 4	8.20E-01
F 94		39 Y		-2 B-	100 18.7 M 1	1.12E+03
F 95		39 Y	1/2-	B-	100 10.3 M 1	6.18E+02
F 96		39 Y		0 B-	100 5.34 S 5	5.34E+00
F 96M		39 Y	(8+)	B-	100 9.6 S 2	9.60E+00
F 97		39 Y	(1/2-)	B-	100 3.75 S 3	3.75E+00
F 97		39 Y	(1/2-)	BN	0.058 3.75 S 3	3.75E+00
F 97M		39 Y	(9/2)+	B->	99.3 1.17 S 3	1.17E+00
F 97M		39 Y	(9/2)+	IT<	0.7 1.17 S 3	1.17E+00
F 97M		39 Y	(9/2)+	BN<	0.08 1.17 S 3	1.17E+00
F 97M		39 Y	(27/2-)	IT>	80 142 MS 8	1.42E-01
F 97M		39 Y	(27/2-)	B-<	20 142 MS 8	1.42E-01
F 98		39 Y		0 B-	100 0.548 S 2	5.48E-01
F 98		39 Y		0 BN	0.33 0.548 S 2	5.48E-01

F 98M	39 Y	(4,5)	B->	80 2.0 S 2	2.00E+00
F 98M	39 Y	(4,5)	IT<	20 2.0 S 2	2.00E+00
F 98M	39 Y	(4,5)	BN	3.4 2.0 S 2	2.00E+00
F 99	39 Y	(5/2+)	B-	100 1.470 S 7	1.47E+00
F 99	39 Y	(5/2+)	BN	1.9 1.470 S 7	1.47E+00
! 99M	39 Y	(17/2+)	IT	100 8.6 US 8	8.60E-06
F100	39 Y	1-,2-	B-	100 735 MS 7	7.35E-01
F100	39 Y	1-,2-	BN	0.92 735 MS 7	7.35E-01
100M	39 Y	(3,4,5)	B-	100 0.94 S 3	9.40E-01
F101	39 Y	(5/2+)	B-	100 0.45 S 2	4.50E-01
F101	39 Y	(5/2+)	BN	1.5 0.45 S 2	4.50E-01
102M	39 Y		B-	100 0.30 S 1	3.00E-01
102M	39 Y		BN	4 0.30 S 1	3.00E-01
102M	39 Y		B-	100 0.36 S 4	3.60E-01
102M	39 Y		BN	4 0.36 S 4	3.60E-01
F103	39 Y	(5/2+)	B-	100 0.23 S 2	2.30E-01
F103	39 Y	(5/2+)	BN	8 0.23 S 2	2.30E-01
F104	39 Y		B-	100 180 MS 60	1.80E-01
F104	39 Y		BN?	180 MS 60	1.80E-01
105	39 Y		B-?	300 NS GT	3.00E-07
106	39 Y		B-	150 NS GT	1.50E-07
107	39 Y	(5/2+)	B-	100 30 MS AP	3.00E-02
108	39 Y		B-	20 MS SY	2.00E-02
108	39 Y		BN	20 MS SY	2.00E-02
78	40 ZR	0+	EC?	200 NS GT	2.00E-07
78	40 ZR	0+	EP?	200 NS GT	2.00E-07
79	40 ZR		EC	56 MS 30	5.60E-02
79	40 ZR		EP	56 MS 30	5.60E-02
80	40 ZR	0+	EC	100 4.6 S 6	4.60E+00
80	40 ZR	0+	EP	4.6 S 6	4.60E+00
81	40 ZR	(3/2-)	EC	100 5.5 S 4	5.50E+00
81	40 ZR	(3/2-)	EP	0.12 5.5 S 4	5.50E+00
82	40 ZR	0+	EC	100 32 S 5	3.20E+01
83	40 ZR	(1/2-)	EC	100 41.6 S 24	4.16E+01
83	40 ZR	(1/2-)	EP	41.6 S 24	4.16E+01
84	40 ZR	0+	EC	100 25.9 M 7	1.55E+03
85	40 ZR	7/2+	EC	100 7.86 M 4	4.72E+02
85M	40 ZR	(1/2-)	IT&	92 10.9 S 3	1.09E+01
85M	40 ZR	(1/2-)	EC>	8 10.9 S 3	1.09E+01
86	40 ZR	0+	EC	100 16.5 H 1	5.94E+04
87	40 ZR	(9/2+)	EC	100 1.68 H 1	6.05E+03
87M	40 ZR	(1/2-)	IT	100 14.0 S 2	1.40E+01
88	40 ZR	0+	EC	100 83.4 D 3	7.21E+06
89	40 ZR	9/2+	EC	100 78.41 H 12	2.82E+05
89M	40 ZR	1/2-	IT	93.77 4.161 M 17	2.50E+02
89M	40 ZR	1/2-	EC	6.23 4.161 M 17	2.50E+02
90	40 ZR	0+		STABLE	0.00E+00
90M	40 ZR		-5 IT	100 809.2 MS 20	8.09E-01
91	40 ZR	5/2+		STABLE	0.00E+00
! 91M	40 ZR	(21/2+)	IT	100 4.35 US 14	4.35E-06
F 92	40 ZR	0+		STABLE	0.00E+00
F 93	40 ZR	5/2+	B-	100 1.53E+6 Y 10	4.83E+13

F 94	40 ZR	0+		STABLE	0.00E+00
F 95	40 ZR	5/2+	B-	100 64.032 D 6	5.53E+06
F 96	40 ZR	0+	2B-	3.9E+20 Y GT	1.23E+28
F 97	40 ZR	1/2+	B-	100 16.744 H 11	6.03E+04
F 98	40 ZR	0+	B-	100 30.7 S 4	3.07E+01
F 99	40 ZR	(1/2+)	B-	100 2.1 S 1	2.10E+00
F100	40 ZR	0+	B-	100 7.1 S 4	7.10E+00
F101	40 ZR	(3/2+)	B-	100 2.3 S 1	2.30E+00
F102	40 ZR	0+	B-	100 2.9 S 2	2.90E+00
F103	40 ZR	(5/2-)	B-	100 1.3 S 1	1.30E+00
F104	40 ZR	0+	B-	100 1.2 S 3	1.20E+00
F105	40 ZR		B-	100 0.6 S 1	6.00E-01
106	40 ZR	0+	B-?	150 NS GT	1.50E-07
107	40 ZR		B-	100 150 MS AP	1.50E-01
108	40 ZR	0+	B-	80 MS SY	8.00E-02
108	40 ZR	0+	BN	80 MS SY	8.00E-02
109	40 ZR		B-	150 NS GT	1.50E-07
109	40 ZR		BN	150 NS GT	1.50E-07
110	40 ZR	0+	B-	150 NS GT	1.50E-07
81	41 NB		EC?	0.8 S AP	8.00E-01
81	41 NB		EP?	0.8 S AP	8.00E-01
81	41 NB		P ?	0.8 S AP	8.00E-01
82	41 NB	0+	EC	100 50 MS 5	5.00E-02
83	41 NB	(5/2+)	EC	100 4.1 S 3	4.10E+00
84	41 NB	3+	EC	100 9.5 S 10	9.50E+00
84	41 NB	3+	EP	9.5 S 10	9.50E+00
85	41 NB	(9/2+)	EC	100 20.9 S 7	2.09E+01
86?	41 NB		EC	56 S 8	5.60E+01
86M	41 NB	(6+)	EC	100 88 S 1	8.80E+01
87	41 NB	(1/2-)	EC	100 3.75 M 9	2.25E+02
87M	41 NB	(9/2+)	EC	2.6 M 1	1.56E+02
88	41 NB	(8+)	EC	100 14.55 M 6	8.73E+02
88M	41 NB	(4-)	EC	100 7.78 M 5	4.67E+02
89	41 NB	(9/2+)	EC	100 2.03 H 7	7.31E+03
89M	41 NB	(1/2)-	EC	100 66 M 2	3.96E+03
90	41 NB	8+	EC	100 14.60 H 5	5.26E+04
! 90M	41 NB	6+	IT	100 63 US 2	6.30E-05
90M	41 NB		-4 IT	100 18.81 S 6	1.88E+01
! 90M	41 NB	1+	IT	100 6.19 MS 8	6.19E-03
91	41 NB	9/2+	EC	100 6.8E+2 Y 13	2.15E+10
91M	41 NB	1/2-	IT	96.6 60.86 D 22	5.26E+06
91M	41 NB	1/2-	EC	3.4 60.86 D 22	5.26E+06
! 91M	41 NB	(17/2-)	IT	100 3.76 US 12	3.76E-06
92	41 NB	(7)+	EC	100 3.47E+7 Y 24	1.10E+15
92	41 NB	(7)+	B-<	0.05 3.47E+7 Y 24	1.10E+15
92M	41 NB	(2)+	EC	100 10.15 D 2	8.77E+05
93	41 NB	9/2+		STABLE	0.00E+00
93M	41 NB	1/2-	IT	100 16.13 Y 14	5.09E+08
94	41 NB	(6)+	B-	100 2.03E+4 Y 16	6.41E+11
94M	41 NB	3+	IT	99.5 6.263 M 4	3.76E+02
94M	41 NB	3+	B-	0.5 6.263 M 4	3.76E+02
F 95	41 NB	9/2+	B-	100 34.991 D 6	3.02E+06

95M	41 NB	1/2-	IT	94.4 3.61 D 3	3.12E+05
95M	41 NB	1/2-	B-	5.6 3.61 D 3	3.12E+05
F 96	41 NB	6+	B-	100 23.35 H 5	8.41E+04
F 97	41 NB	9/2+	B-	100 72.1 M 7	4.33E+03
F 97M	41 NB	1/2-	IT	100 58.7 S 18	5.87E+01
F 98	41 NB	1+	B-	100 2.86 S 6	2.86E+00
F 98M	41 NB	(5+)	B-	99.9 51.3 M 4	3.08E+03
F 98M	41 NB	(5+)	IT<	0.2 51.3 M 4	3.08E+03
F 99	41 NB	9/2+	B-	100 15.0 S 2	1.50E+01
F 99M	41 NB	1/2-	B->	96.2 2.6 M 2	1.56E+02
F 99M	41 NB	1/2-	IT<	3.8 2.6 M 2	1.56E+02
F100	41 NB	1+	B-	100 1.5 S 2	1.50E+00
F100M	41 NB	(4+,5+)	B-	100 2.99 S 11	2.99E+00
F101	41 NB	(5/2+)	B-	100 7.1 S 3	7.10E+00
F102M	41 NB	1+	B-	1.3 S 2	1.30E+00
F102M	41 NB		B-	4.3 S 4	4.30E+00
F103	41 NB	(5/2+)	B-	100 1.5 S 2	1.50E+00
F104	41 NB	(1+)	B-	100 4.9 S 3	4.90E+00
F104	41 NB	(1+)	BN	0.06 4.9 S 3	4.90E+00
F104M	41 NB		B-	100 0.94 S 4	9.40E-01
F104M	41 NB		BN	0.05 0.94 S 4	9.40E-01
F105	41 NB	(5/2+)	B-	100 2.95 S 6	2.95E+00
F105	41 NB	(5/2+)	BN	1.7 2.95 S 6	2.95E+00
F106	41 NB		B-	100 1.02 S 5	1.02E+00
F106	41 NB		BN	4.5 1.02 S 5	1.02E+00
F107	41 NB		B-	100 330 MS 50	3.30E-01
108	41 NB	(2+)	B-	100 0.193 S 17	1.93E-01
108	41 NB	(2+)	BN	6.2 0.193 S 17	1.93E-01
F109	41 NB	(5/2)	B-	100 0.19 S 3	1.90E-01
F109	41 NB	(5/2)	BN	31 0.19 S 3	1.90E-01
110	41 NB		B-	100 0.17 S 2	1.70E-01
110	41 NB		BN	40 0.17 S 2	1.70E-01
111	41 NB	(5/2+)	B-	80. MS SY	8.00E-02
112	41 NB	(2+)	B-	150 NS GT	1.50E-07
113	41 NB		B-	30 MS SY	3.00E-02
83	42 MO		EC	100 6 MS +30-3	6.00E-03
84	42 MO	0+	EC	100 3.7 S +10-8	3.70E+00
85	42 MO	(1/2-)	EP	0.14 3.2 S 2	3.20E+00
85	42 MO	(1/2-)	EC	3.2 S 2	3.20E+00
86	42 MO	0+	EC	100 19.6 S 11	1.96E+01
87	42 MO	7/2+	EC	100 14.02 S 26	1.40E+01
87	42 MO	7/2+	EP	15 14.02 S 26	1.40E+01
88	42 MO	0+	EC	100 8.0 M 2	4.80E+02
89	42 MO	(9/2+)	EC	100 2.11 M 10	1.27E+02
89M	42 MO	(1/2-)	IT	100 190 MS 15	1.90E-01
90	42 MO	0+	EC	100 5.56 H 9	2.00E+04
91	42 MO	9/2+	EC	100 15.49 M 1	9.29E+02
91M	42 MO	1/2-	EC	50 64.6 S 6	6.46E+01
91M	42 MO	1/2-	IT	50 64.6 S 6	6.46E+01
92	42 MO	0+		STABLE	0.00E+00
93	42 MO	5/2+	EC	100 4.0E+3 Y 8	1.26E+11
93M	42 MO	21/2+	IT	99.88 6.85 H 7	2.47E+04

93M		42 MO	21/2+	EC	0.12 6.85 H 7	2.47E+04
	94	42 MO	0+		STABLE	0.00E+00
	95	42 MO	5/2+		STABLE	0.00E+00
	96	42 MO	0+		STABLE	0.00E+00
	97	42 MO	5/2+		STABLE	0.00E+00
	98	42 MO	0+		STABLE	0.00E+00
F 99		42 MO	1/2+	B-	100 2.7489 D 6	2.38E+05
F100		42 MO	0+	2B-	100 0.78E+19 Y 8	2.46E+26
F101		42 MO	1/2+	B-	100 14.61 M 3	8.77E+02
F102		42 MO	0+	B-	100 11.3 M 2	6.78E+02
F103		42 MO	(3/2+)	B-	100 67.5 S 15	6.75E+01
F104		42 MO	0+	B-	100 60 S 2	6.00E+01
F105		42 MO	(5/2-)	B-	100 35.6 S 16	3.56E+01
F106		42 MO	0+	B-	100 8.4 S 5	8.40E+00
F107		42 MO	(7/2-)	B-	100 3.5 S 5	3.50E+00
F108		42 MO	0+	B-	100 1.09 S 2	1.09E+00
F109		42 MO	(7/2-)	B-	100 0.53 S 6	5.30E-01
F110		42 MO	0+	B-	100 0.27 S 1	2.70E-01
F111		42 MO		B-	200. MS SY	2.00E-01
	112	42 MO	0+	B-?	150 NS GT	1.50E-07
	113	42 MO		B-	100 MS SY	1.00E-01
	114	42 MO	0+	B-	80 MS SY	8.00E-02
	115	42 MO		B-	60 MS SY	6.00E-02
	115	42 MO		BN	60 MS SY	6.00E-02
	85	43 TC		EC?	0.5 S AP	5.00E-01
	86	43 TC	(0+)	EC	54 MS 7	5.40E-02
! 86M		43 TC		-5 IT	100 1.11 US 21	1.11E-06
	87	43 TC	(9/2+)	EC	100 2.2 S 2	2.20E+00
	88	43 TC	(3+)	EC	100 5.8 S 2	5.80E+00
88M		43 TC	(6+)	EC	100 6.4 S 8	6.40E+00
	89	43 TC	(9/2+)	EC	100 12.8 S 9	1.28E+01
89M		43 TC	(1/2-)	EC	100 12.9 S 8	1.29E+01
89M		43 TC	(1/2-)	IT<	0.01 12.9 S 8	1.29E+01
90M		43 TC	1+	EC	100 8.7 S 2	8.70E+00
90M		43 TC	(6+)	EC	100 49.2 S 4	4.92E+01
	91	43 TC	(9/2+)	EC	100 3.14 M 2	1.88E+02
91M		43 TC	(1/2)-	EC	100 3.3 M 1	1.98E+02
91M		43 TC	(1/2)-	IT<	1 3.3 M 1	1.98E+02
	92	43 TC	(8)+	EC	100 4.25 M 15	2.55E+02
	93	43 TC	9/2+	EC	100 2.75 H 5	9.90E+03
93M		43 TC	1/2-	IT	76.6 43.5 M 10	2.61E+03
93M		43 TC	1/2-	EC	23.4 43.5 M 10	2.61E+03
! 93M		43 TC	(17/2)-	IT	100 10.2 US 3	1.02E-05
	94	43 TC	7+	EC	100 293 M 1	1.76E+04
94M		43 TC	(2)+	EC	100 52.0 M 10	3.12E+03
94M		43 TC	(2)+	IT<	0.1 52.0 M 10	3.12E+03
	95	43 TC	9/2+	EC	100 20.0 H 1	7.20E+04
95M		43 TC	1/2-	EC	96.12 61 D 2	5.27E+06
95M		43 TC	1/2-	IT	3.88 61 D 2	5.27E+06
	96	43 TC	7+	EC	100 4.28 D 7	3.70E+05
96M		43 TC	4+	IT	98 51.5 M 10	3.09E+03
96M		43 TC	4+	EC	2 51.5 M 10	3.09E+03

	97	43 TC	9/2+	EC	100 4.21E+6 Y 16	1.33E+14
97M		43 TC	1/2-	IT	100 91.4 D 8	7.90E+06
97M		43 TC	1/2-	EC	3.94 91.4 D 8	7.90E+06
	98	43 TC	(6)+	B-	100 4.2E+6 Y 3	1.33E+14
	99	43 TC	9/2+	B-	100 2.111E+5 Y 12	6.66E+12
99M		43 TC	1/2-	IT	100 6.0058 H 12	2.16E+04
99M		43 TC	1/2-	B-	3.70E-03 6.0058 H 12	2.16E+04
	100	43 TC	1+	B-	100 15.8 S 1	1.58E+01
	100	43 TC	1+	EC	1.80E-03 15.8 S 1	1.58E+01
F101		43 TC	9/2+	B-	100 14.22 M 1	8.53E+02
!101M		43 TC	1/2-	IT	100 636 US 8	6.36E-04
F102		43 TC	1+	B-	100 5.28 S 15	5.28E+00
F102M		43 TC	(4,5)	B-	98 4.35 M 7	2.61E+02
F102M		43 TC	(4,5)	IT	2 4.35 M 7	2.61E+02
F103		43 TC	5/2+	B-	100 54.2 S 8	5.42E+01
F104		43 TC	(3+)	B-	100 18.3 M 3	1.10E+03
F105		43 TC	(3/2-)	B-	100 7.6 M 1	4.56E+02
F106		43 TC	(1,2)	B-	100 35.6 S 6	3.56E+01
F107		43 TC	(3/2-)	B-	100 21.2 S 2	2.12E+01
F108		43 TC	(2+)	B-	100 5.17 S 7	5.17E+00
F109		43 TC	(5/2+)	B-	100 0.86 S 4	8.60E-01
F109		43 TC	(5/2+)	BN	0.08 0.86 S 4	8.60E-01
F110		43 TC	(2+)	B-	99.96 0.92 S 3	9.20E-01
F110		43 TC	(2+)	BN	0.04 0.92 S 3	9.20E-01
F111		43 TC	(7/2+,9/2+)	B-	100 290 MS 20	2.90E-01
F111		43 TC	(7/2+,9/2+)	BN	0.85 290 MS 20	2.90E-01
F112		43 TC		B-	100 0.29 S 2	2.90E-01
F112		43 TC		BN	1.5 0.29 S 2	2.90E-01
F113		43 TC		B-	100 170 MS 20	1.70E-01
F113		43 TC		BN	2.1 170 MS 20	1.70E-01
	114	43 TC		B-	100 150 MS 30	1.50E-01
	114	43 TC		BN	150 MS 30	1.50E-01
	115	43 TC		B-	100 MS SY	1.00E-01
	115	43 TC		BN	100 MS SY	1.00E-01
	116	43 TC		B-	90 MS SY	9.00E-02
	117	43 TC		B-	40 MS SY	4.00E-02
	118	43 TC		B-	150 NS GT	1.50E-07
	87	44 RU		EC?	1.5 US GT	1.50E-06
	88	44 RU	0+	EC	100 1.2 S +3-2	1.20E+00
	88	44 RU	0+	EP	1.2 S +3-2	1.20E+00
	89	44 RU		EC	100 1.5 S 2	1.50E+00
	89	44 RU		EP<	0.15 1.5 S 2	1.50E+00
	90	44 RU	0+	EC	100 11.7 S 9	1.17E+01
	91	44 RU	(9/2+)	EC	100 7.9 S 4	7.90E+00
91M		44 RU	(1/2-)	EC>	0 7.6 S 8	7.60E+00
91M		44 RU	(1/2-)	EP>	0 7.6 S 8	7.60E+00
91M		44 RU	(1/2-)	IT	7.6 S 8	7.60E+00
	92	44 RU	0+	EC	100 3.65 M 5	2.19E+02
	93	44 RU	(9/2+)	EC	100 59.7 S 6	5.97E+01
93M		44 RU	(1/2-)	EC	78 10.8 S 3	1.08E+01
93M		44 RU	(1/2-)	IT	22 10.8 S 3	1.08E+01
93M		44 RU	(1/2-)	EP	0.03 10.8 S 3	1.08E+01

	94	44 RU	0+	EC	100 51.8 M 6	3.11E+03
	95	44 RU	5/2+	EC	100 1.643 H 14	5.91E+03
	96	44 RU	0+		STABLE	0.00E+00
	97	44 RU	5/2+	EC	100 2.791 D 4	2.41E+05
	98	44 RU	0+		STABLE	0.00E+00
	99	44 RU	5/2+		STABLE	0.00E+00
	100	44 RU	0+		STABLE	0.00E+00
	101	44 RU	5/2+		STABLE	0.00E+00
	102	44 RU	0+		STABLE	0.00E+00
	103	44 RU	3/2+	B-	100 39.26 D 2	3.39E+06
!103M		44 RU	11/2-	IT	100 1.69 MS 7	1.69E-03
F104		44 RU	0+		STABLE	0.00E+00
	105	44 RU	3/2+	B-	100 4.44 H 2	1.60E+04
	106	44 RU	0+	B-	100 373.59 D 15	3.23E+07
	107	44 RU	(5/2)+	B-	100 3.75 M 5	2.25E+02
	108	44 RU	0+	B-	100 4.55 M 5	2.73E+02
F109		44 RU	(5/2+)	B-	100 34.5 S 10	3.45E+01
F110		44 RU	0+	B-	100 11.6 S 6	1.16E+01
F111		44 RU	(5/2+)	B-	100 2.12 S 7	2.12E+00
F112		44 RU	0+	B-	100 1.75 S 7	1.75E+00
F113		44 RU	(5/2+)	B-	100 0.80 S 5	8.00E-01
113M		44 RU	(11/2-)	B-	92 510 MS 30	5.10E-01
113M		44 RU	(11/2-)	IT	8 510 MS 30	5.10E-01
F114		44 RU	0+	B-	100 0.53 S 6	5.30E-01
F115		44 RU		B-	100 740 MS 80	7.40E-01
F115		44 RU		BN	740 MS 80	7.40E-01
	116	44 RU	0+	B-?	400 MS SY	4.00E-01
	117	44 RU		B-	300 MS SY	3.00E-01
	118	44 RU	0+	B-?	150 NS GT	1.50E-07
	119	44 RU		B-	150 NS GT	1.50E-07
	120	44 RU	0+	B-	150 NS GT	1.50E-07
	89	45 RH		EC	1.5 US GT	1.50E-06
	90	45 RH		EC?	12 MS +9-4	1.20E-02
90M		45 RH		EC?	1.0 S +3-2	1.00E+00
	91	45 RH	(9/2+)	EC	1.47 S 22	1.47E+00
91M		45 RH	(1/2-)	EC	1.46 S 11	1.46E+00
	92	45 RH	(2+)	EC	100 0.5 S 4	5.00E-01
	92	45 RH	(GE 6+)	EC	100 4.66 S 25	4.66E+00
	93	45 RH	(9/2+)	EC	11.9 S 7	1.19E+01
94M		45 RH	(8+)	EC	100 25.8 S 2	2.58E+01
94M		45 RH	(3+)	EC	100 70.6 S 6	7.06E+01
	95	45 RH	(9/2+)	EC	100 5.02 M 10	3.01E+02
95M		45 RH	(1/2)-	IT	88 1.96 M 4	1.18E+02
95M		45 RH	(1/2)-	EC	12 1.96 M 4	1.18E+02
	96	45 RH	(6+)	EC	100 9.90 M 10	5.94E+02
96M		45 RH	(3+)	IT	60 1.51 M 2	9.06E+01
96M		45 RH	(3+)	EC	40 1.51 M 2	9.06E+01
	97	45 RH	9/2+	EC	100 30.7 M 6	1.84E+03
97M		45 RH	1/2-	EC	94.4 46.2 M 16	2.77E+03
97M		45 RH	1/2-	IT	5.6 46.2 M 16	2.77E+03
	98	45 RH	(2+)	EC	100 8.72 M 12	5.23E+02
98M		45 RH	(5+)	IT	89 3.6 M 2	2.16E+02

98M		45 RH	(5+)	EC	11 3.6 M 2	2.16E+02
	99	45 RH	1/2-	EC	100 16.1 D 2	1.39E+06
99M		45 RH	9/2+	EC>	99.84 4.7 H 1	1.69E+04
99M		45 RH	9/2+	IT<	0.16 4.7 H 1	1.69E+04
	100	45 RH		-1 EC	100 20.8 H 1	7.49E+04
100M		45 RH	(5+)	IT@	98.3 4.6 M 2	2.76E+02
100M		45 RH	(5+)	EC@	1.7 4.6 M 2	2.76E+02
	101	45 RH	1/2-	EC	100 3.3 Y 3	1.04E+08
101M		45 RH	9/2+	EC	92.8 4.34 D 1	3.75E+05
101M		45 RH	9/2+	IT	7.2 4.34 D 1	3.75E+05
	102	45 RH	(1-,2-)	EC	78 207 D 3	1.79E+07
	102	45 RH	(1-,2-)	B-	22 207 D 3	1.79E+07
102M		45 RH	6(+)	EC	99.77 2.9 Y AP	9.15E+07
102M		45 RH	6(+)	IT	0.23 2.9 Y AP	9.15E+07
	103	45 RH	1/2-		STABLE	0.00E+00
103M		45 RH	7/2+	IT	100 56.114 M 9	3.37E+03
	104	45 RH	1+	B-	99.55 42.3 S 4	4.23E+01
	104	45 RH	1+	EC	0.45 42.3 S 4	4.23E+01
104M		45 RH	5+	IT	99.87 4.34 M 3	2.60E+02
104M		45 RH	5+	B-	0.13 4.34 M 3	2.60E+02
	105	45 RH	7/2+	B-	100 35.36 H 6	1.27E+05
105M		45 RH	1/2-	IT	100 42.9 S 3	4.29E+01
	106	45 RH	1+	B-	100 29.80 S 8	2.98E+01
106M		45 RH	(6+)	B-	100 131 M 2	7.86E+03
	107	45 RH	7/2+	B-	100 21.7 M 4	1.30E+03
	108	45 RH	1+	B-	100 16.8 S 5	1.68E+01
108M		45 RH	(5+)	B-	100 6.0 M 3	3.60E+02
	109	45 RH	7/2+	B-	100 80 S 2	8.00E+01
110M		45 RH	1+	B-	100 3.2 S 2	3.20E+00
110M		45 RH	(GE4)	B-	100 28.5 S 15	2.85E+01
F111		45 RH	(7/2+)	B-	100 11 S 1	1.10E+01
112M		45 RH	1+	B-	100 3.45 S 37	3.45E+00
112M		45 RH	(4,5,6)	B-	100 6.73 S 15	6.73E+00
F113		45 RH	(7/2+)	B-	100 2.80 S 12	2.80E+00
F114		45 RH	1+	B-	100 1.85 S 5	1.85E+00
114M		45 RH	(4,5)	B-	100 1.85 S 5	1.85E+00
F115		45 RH	(7/2+)	B-	100 0.99 S 5	9.90E-01
F116		45 RH	1+	B-	100 0.68 S 6	6.80E-01
116M		45 RH	(6-)	B-	100 0.57 S 5	5.70E-01
F117		45 RH	(7/2+)	B-	100 0.44 S 4	4.40E-01
	118	45 RH	0+	B-	0.30 S 6	3.00E-01
	119	45 RH		B-	150 NS GT	1.50E-07
	120	45 RH		B-?	150 NS GT	1.50E-07
	121	45 RH		B-?	150 NS GT	1.50E-07
	122	45 RH		B-?	50 MS AP	5.00E-02
	91	46 PD		EC?	1 US GT	1.00E-06
	92	46 PD	0+	EC	100 0.7 S +4-2	7.00E-01
	93	46 PD	(7/2+,9/2+)	EC	100 1.3 S 2	1.30E+00
	93	46 PD	(7/2+,9/2+)	EP	1.5 1.3 S 2	1.30E+00
93M		46 PD		EC	9.3 S +25-17	9.30E+00
93M		46 PD		IT	9.3 S +25-17	9.30E+00
	94	46 PD	0+	EC	100 9.0 S 5	9.00E+00

	95	46 PD		EC	10 S SY	1.00E+01
95M		46 PD	(21/2+)	EC#	91.3 13.3 S 3	1.33E+01
95M		46 PD	(21/2+)	IT&	9.7 13.3 S 3	1.33E+01
95M		46 PD	(21/2+)	EP	0.9 13.3 S 3	1.33E+01
	96	46 PD	0+	EC	100 122 S 2	1.22E+02
	97	46 PD	5/2+	EC	100 3.10 M 9	1.86E+02
	98	46 PD	0+	EC	100 17.7 M 3	1.06E+03
	99	46 PD	(5/2)+	EC	100 21.4 M 2	1.28E+03
	100	46 PD	0+	EC	100 3.63 D 9	3.14E+05
	101	46 PD	5/2+	EC	100 8.47 H 6	3.05E+04
	102	46 PD	0+		STABLE	0.00E+00
	103	46 PD	5/2+	EC	100 16.991 D 19	1.47E+06
	104	46 PD	0+		STABLE	0.00E+00
	105	46 PD	5/2+		STABLE	0.00E+00
	106	46 PD	0+		STABLE	0.00E+00
	107	46 PD	5/2+	B-	100 6.5E+6 Y 3	2.05E+14
107M		46 PD	11/2-	IT	100 21.3 S 5	2.13E+01
	108	46 PD	0+		STABLE	0.00E+00
	109	46 PD	5/2+	B-	100 13.7012 H 24	4.93E+04
109M		46 PD	11/2-	IT	100 4.696 M 3	2.82E+02
	110	46 PD	0+		STABLE	0.00E+00
	111	46 PD	5/2+	B-	100 23.4 M 2	1.40E+03
111M		46 PD	11/2-	IT	73 5.5 H 1	1.98E+04
111M		46 PD	11/2-	B-	27 5.5 H 1	1.98E+04
F112		46 PD	0+	B-	100 21.03 H 5	7.57E+04
F113		46 PD	(5/2+)	B-	100 93 S 5	9.30E+01
113M		46 PD			100 S GE	1.00E+02
113M		46 PD	(9/2-)	IT	100 0.3 S 1	3.00E-01
F114		46 PD	0+	B-	100 2.42 M 6	1.45E+02
F115		46 PD	(5/2+)	B-	100 25 S 2	2.50E+01
115M		46 PD	(11/2-)	B-	92 50 S 3	5.00E+01
115M		46 PD	(11/2-)	IT	8 50 S 3	5.00E+01
F116		46 PD	0+	B-	100 11.8 S 4	1.18E+01
F117		46 PD	(5/2+)	B-	100 4.3 S 3	4.30E+00
!117M		46 PD	(11/2-)	IT	100 19.1 MS 7	1.91E-02
F118		46 PD	0+	B-	100 1.9 S 1	1.90E+00
F119		46 PD		B-	100 0.92 S 13	9.20E-01
F120		46 PD	0+	B-	100 0.5 S 1	5.00E-01
	121	46 PD		B-?	150 NS GT	1.50E-07
	122	46 PD	0+	B-	100 150 NS GT	1.50E-07
	122	46 PD	0+	BN	150 NS GT	1.50E-07
	123	46 PD		B-	150 NS GT	1.50E-07
	124	46 PD	0+	B-?	0.2 S AP	2.00E-01
	93	47 AG		EC?	1.5 US GT	1.50E-06
	93	47 AG		P ?	1.5 US GT	1.50E-06
	94	47 AG	(0+)	EC	100 26 MS +26-9	2.60E-02
	94	47 AG	(0+)	EP	26 MS +26-9	2.60E-02
94M		47 AG	(21+)	EC	100 0.47 S 8	4.70E-01
94M		47 AG	(21+)	EP	0.47 S 8	4.70E-01
94M		47 AG	(7+)	EC	100 0.59 S 2	5.90E-01
94M		47 AG	(7+)	EP>	0 0.59 S 2	5.90E-01
	95	47 AG		EC	2.0 S 1	2.00E+00

	95	47 AG		EP	2.0 S 1	2.00E+00
	96	47 AG	(8+)	EC	100 4.40 S 6	4.40E+00
	96	47 AG	(8+)	EP	8.15 4.40 S 6	4.40E+00
	96	47 AG	(2+)	EC	100 6.9 S 6	6.90E+00
	96	47 AG	(2+)	EP	18 6.9 S 6	6.90E+00
	97	47 AG	9/2+	EC	100 25.9 S 4	2.59E+01
	98	47 AG	(6+)	EC	100 47.5 S 3	4.75E+01
	98	47 AG	(6+)	EP	1.10E-03 47.5 S 3	4.75E+01
	99	47 AG	(9/2)+	EC	100 124 S 3	1.24E+02
99M		47 AG	(1/2-)	IT	100 10.5 S 5	1.05E+01
	100	47 AG	(5)+	EC	100 2.01 M 9	1.21E+02
100M		47 AG	(2)+	EC	2.24 M 13	1.34E+02
100M		47 AG	(2)+	IT	2.24 M 13	1.34E+02
	101	47 AG	9/2+	EC	100 11.1 M 3	6.66E+02
101M		47 AG	(1/2)-	IT	100 3.10 S 10	3.10E+00
	102	47 AG	5+	EC	100 12.9 M 3	7.74E+02
102M		47 AG	2+	EC	51 7.7 M 5	4.62E+02
102M		47 AG	2+	IT	49 7.7 M 5	4.62E+02
	103	47 AG	7/2+	EC	100 65.7 M 7	3.94E+03
103M		47 AG	1/2-	IT	100 5.7 S 3	5.70E+00
	104	47 AG	5+	EC	100 69.2 M 10	4.15E+03
104M		47 AG	2+	EC	99.93 33.5 M 20	2.01E+03
104M		47 AG	2+	IT<	0.07 33.5 M 20	2.01E+03
	105	47 AG	1/2-	EC	100 41.29 D 7	3.57E+06
105M		47 AG	7/2+	IT	99.66 7.23 M 16	4.34E+02
	106	47 AG	1+	EC	99.5 23.96 M 4	1.44E+03
	106	47 AG	1+	B-<	1 23.96 M 4	1.44E+03
106M		47 AG	6+	EC	100 8.28 D 2	7.15E+05
	107	47 AG	1/2-		STABLE	0.00E+00
107M		47 AG	7/2+	IT	100 44.5 S 8	4.45E+01
	108	47 AG	1+	B-	97.15 2.37 M 1	1.42E+02
	108	47 AG	1+	EC	2.85 2.37 M 1	1.42E+02
108M		47 AG	6+	EC	91.3 438 Y 9	1.38E+10
108M		47 AG	6+	IT	8.7 438 Y 9	1.38E+10
	109	47 AG	1/2-		STABLE	0.00E+00
109M		47 AG	7/2+	IT	100 38.0 S 12	3.80E+01
	110	47 AG	1+	B-	99.7 24.6 S 2	2.46E+01
	110	47 AG	1+	EC	0.3 24.6 S 2	2.46E+01
110M		47 AG	6+	B-	98.64 249.76 D 4	2.16E+07
110M		47 AG	6+	IT	1.36 249.76 D 4	2.16E+07
	111	47 AG	1/2-	B-	100 7.45 D 1	6.44E+05
111M		47 AG	7/2+	IT	99.3 64.8 S 8	6.48E+01
111M		47 AG	7/2+	B-	0.7 64.8 S 8	6.48E+01
	112	47 AG	2(-)	B-	100 3.130 H 9	1.13E+04
	113	47 AG	1/2-	B-	100 5.37 H 5	1.93E+04
113M		47 AG	7/2+	IT	64 68.7 S 16	6.87E+01
113M		47 AG	7/2+	B-	36 68.7 S 16	6.87E+01
F114		47 AG	1+	B-	100 4.6 S 1	4.60E+00
!114M		47 AG	(LE6+)	IT	100 1.50 MS 5	1.50E-03
F115		47 AG	1/2-	B-	100 20.0 M 5	1.20E+03
F115M		47 AG	7/2+	B-	79 18.0 S 7	1.80E+01
F115M		47 AG	7/2+	IT	21 18.0 S 7	1.80E+01

F116	47 AG	(2)-	B-	100 2.68 M 10	1.61E+02
F116M	47 AG	(5+)	B-	94 8.6 S 3	8.60E+00
F116M	47 AG	(5+)	IT	6 8.6 S 3	8.60E+00
F117	47 AG	(1/2-)	B-@	100 72.8 S +20-7	7.28E+01
F117M	47 AG	(7/2+)	B-	94 5.34 S 5	5.34E+00
F117M	47 AG	(7/2+)	IT	6 5.34 S 5	5.34E+00
F118	47 AG	1(-)	B-	100 3.76 S 15	3.76E+00
F118M	47 AG	4(+)	B-	59 2.0 S 2	2.00E+00
F118M	47 AG	4(+)	IT	41 2.0 S 2	2.00E+00
119M	47 AG	(7/2+)	B-	100 2.1 S 1	2.10E+00
119M	47 AG	(1/2-)	B-	100 6.0 S 5	6.00E+00
F120	47 AG	3(+)	B-	100 1.23 S 4	1.23E+00
F120	47 AG	3(+)	BN<	3.00E-03 1.23 S 4	1.23E+00
F120M	47 AG	6(-)	B-@	63 0.40 S 3	4.00E-01
F120M	47 AG	6(-)	IT@	37 0.40 S 3	4.00E-01
F121	47 AG	(7/2+)	B-	100 0.79 S 2	7.90E-01
F121	47 AG	(7/2+)	BN	0.08 0.79 S 2	7.90E-01
F122	47 AG	(3+)	B-	100 0.529 S 13	5.29E-01
F122	47 AG	(3+)	BN	0.19 0.529 S 13	5.29E-01
F122M	47 AG	(8-)	B-	100 1.5 S 5	1.50E+00
F122M	47 AG	(8-)	BN	1.5 S 5	1.50E+00
F123	47 AG	(7/2+)	B-	100 0.300 S 5	3.00E-01
F123	47 AG	(7/2+)	BN	0.55 0.300 S 5	3.00E-01
F124	47 AG		B-	100 0.172 S 5	1.72E-01
F124	47 AG		BN>	0.1 0.172 S 5	1.72E-01
125	47 AG	(7/2+)	B-	100 166 MS 7	1.66E-01
125	47 AG	(7/2+)	BN	166 MS 7	1.66E-01
126	47 AG		B-	100 107 MS 12	1.07E-01
126	47 AG		BN	107 MS 12	1.07E-01
127	47 AG	(1/2-)	B-	100 79 MS 3	7.90E-02
128	47 AG		B-	100 58 MS 5	5.80E-02
128	47 AG		BN	58 MS 5	5.80E-02
129	47 AG	(9/2+)	B-	100 46 MS +5-9	4.60E-02
129	47 AG	(9/2+)	BN	46 MS +5-9	4.60E-02
129M	47 AG	(1/2-)	B-	160 MS AP	1.60E-01
129M	47 AG	(1/2-)	BN	160 MS AP	1.60E-01
130	47 AG		B-	50 MS AP	5.00E-02
95	48 CD		EC?	5 MS SY	5.00E-03
95	48 CD		EP?	5 MS SY	5.00E-03
96	48 CD	0+	EC?	1 S AP	1.00E+00
97	48 CD		EC	2.8 S 6	2.80E+00
97	48 CD		EP	2.8 S 6	2.80E+00
98	48 CD	0+	EC	100 9.2 S 3	9.20E+00
98	48 CD	0+	EP<	0.03 9.2 S 3	9.20E+00
99	48 CD	(5/2+)	EC	100 16 S 3	1.60E+01
99	48 CD	(5/2+)	EP	0.17 16 S 3	1.60E+01
99	48 CD	(5/2+)	EA<	1.00E-04 16 S 3	1.60E+01
100	48 CD	0+	EC	100 49.1 S 5	4.91E+01
101	48 CD	(5/2+)	EC	100 1.36 M 5	8.16E+01
102	48 CD	0+	EC	100 5.5 M 5	3.30E+02
103	48 CD	5/2+	EC	100 7.3 M 1	4.38E+02
104	48 CD	0+	EC	100 57.7 M 10	3.46E+03

	105	48 CD	5/2+	EC	100 55.5 M 4	3.33E+03
	106	48 CD	0+	2EC	2.6E+17 Y GE	8.20E+24
	107	48 CD	5/2+	EC	100 6.50 H 2	2.34E+04
	108	48 CD	0+	2EC	1.0E+18 Y GT	3.16E+25
	109	48 CD	5/2+	EC	100 461.4 D 12	3.99E+07
	110	48 CD	0+		STABLE	0.00E+00
	111	48 CD	1/2+		STABLE	0.00E+00
111M		48 CD	11/2-	IT	100 48.50 M 9	2.91E+03
	112	48 CD	0+		STABLE	0.00E+00
	113	48 CD	1/2+	B-	100 7.7E+15 Y 3	2.43E+23
113M		48 CD	11/2-	B-	99.86 14.1 Y 5	4.45E+08
113M		48 CD	11/2-	IT	0.14 14.1 Y 5	4.45E+08
	114	48 CD	0+	2B-	6.4E+18 Y GT	2.02E+26
	115	48 CD	1/2+	B-	100 53.46 H 5	1.92E+05
115M		48 CD	(11/2)-	B-	100 44.56 D 24	3.85E+06
	116	48 CD	0+	2B-	3.1E+19 Y 4	9.78E+26
F117		48 CD	1/2+	B-	100 2.49 H 4	8.96E+03
F117M		48 CD	(11/2)-	B-	100 3.36 H 5	1.21E+04
F118		48 CD	0+	B-	100 50.3 M 2	3.02E+03
F119		48 CD	3/2+	B-	100 2.69 M 2	1.61E+02
F119M		48 CD	(11/2)-	B-	100 2.20 M 2	1.32E+02
F120		48 CD	0+	B-	100 50.80 S 21	5.08E+01
F121		48 CD	(3/2+)	B-	100 13.5 S 3	1.35E+01
F121M		48 CD	(11/2)-	B-	100 8.3 S 8	8.30E+00
F122		48 CD	0+	B-	100 5.24 S 3	5.24E+00
F123		48 CD	(3/2+)	B-	100 2.10 S 2	2.10E+00
123M		48 CD	(11/2)-	B-&	100 1.82 S 3	1.82E+00
123M		48 CD	(11/2)-	IT	1.82 S 3	1.82E+00
F124		48 CD	0+	B-	100 1.25 S 2	1.25E+00
F125		48 CD	(3/2+)	B-	100 0.65 S 2	6.50E-01
125M		48 CD	(11/2)-	B-	100 0.48 S 3	4.80E-01
F126		48 CD	0+	B-	100 0.515 S 17	5.15E-01
F127		48 CD	(3/2+)	B-	100 0.37 S 7	3.70E-01
F128		48 CD	0+	B-	100 0.28 S 4	2.80E-01
	129	48 CD	(3/2+)	B-	0.27 S 4	2.70E-01
F130		48 CD	0+	B-	100 162 MS 7	1.62E-01
F130		48 CD	0+	BN@	3.5 162 MS 7	1.62E-01
F131		48 CD		B-	100 68 MS 3	6.80E-02
F131		48 CD		BN	3.5 68 MS 3	6.80E-02
	132	48 CD	0+	B-	100 97 MS 10	9.70E-02
	132	48 CD	0+	BN	60 97 MS 10	9.70E-02
	97	49 IN		P ?	5 MS SY	5.00E-03
	97	49 IN		EC?	5 MS SY	5.00E-03
	98	49 IN		EC	32 MS +32-11	3.20E-02
98M		49 IN		EC	1.2 S +12-4	1.20E+00
	99	49 IN	(9/2+)	EC	3.0 S +8-7	3.00E+00
	100	49 IN	(6,7)+	EC	100 5.9 S 2	5.90E+00
	100	49 IN	(6,7)+	EP	1.6 5.9 S 2	5.90E+00
	101	49 IN		EC@	100 15.1 S 3	1.51E+01
	101	49 IN		EP	15.1 S 3	1.51E+01
	102	49 IN	(6+)	EC	100 23.3 S 1	2.33E+01
	102	49 IN	(6+)	EP	9.30E-03 23.3 S 1	2.33E+01

	103	49 IN	(9/2+)	EC	100 65 S 7	6.50E+01
103M		49 IN	(1/2-)	EC	67 34 S 2	3.40E+01
103M		49 IN	(1/2-)	IT	33 34 S 2	3.40E+01
	104	49 IN	5,6(+)	EC	100 1.80 M 3	1.08E+02
104M		49 IN	(3+)	IT	80 15.7 S 5	1.57E+01
104M		49 IN	(3+)	EC	20 15.7 S 5	1.57E+01
	105	49 IN	9/2+	EC	100 5.07 M 7	3.04E+02
105M		49 IN	(1/2-)	IT	100 48 S 6	4.80E+01
	106	49 IN	7+	EC	100 6.2 M 1	3.72E+02
106M		49 IN	(3+)	EC	100 5.2 M 1	3.12E+02
	107	49 IN	9/2+	EC	100 32.4 M 3	1.94E+03
107M		49 IN	1/2-	IT	100 50.4 S 6	5.04E+01
	108	49 IN	7+	EC	100 58.0 M 12	3.48E+03
108M		49 IN	2+	EC	100 39.6 M 7	2.38E+03
	109	49 IN	9/2+	EC	100 4.2 H 1	1.51E+04
109M		49 IN	1/2-	IT	100 1.34 M 7	8.04E+01
109M		49 IN	(19/2+)	IT	100 0.209 S 6	2.09E-01
	110	49 IN	7+	EC	100 4.9 H 1	1.76E+04
110M		49 IN	2+	EC	100 69.1 M 5	4.15E+03
	111	49 IN	9/2+	EC	100 2.8047 D 5	2.42E+05
111M		49 IN	1/2-	IT	100 7.7 M 2	4.62E+02
	112	49 IN	1+	EC	56 14.97 M 10	8.98E+02
	112	49 IN	1+	B-	44 14.97 M 10	8.98E+02
112M		49 IN	4+	IT	100 20.56 M 6	1.23E+03
	113	49 IN	9/2+		STABLE	0.00E+00
113M		49 IN	1/2-	IT	100 99.476 M 23	5.97E+03
	114	49 IN	1+	B-	99.5 71.9 S 1	7.19E+01
	114	49 IN	1+	EC	0.5 71.9 S 1	7.19E+01
114M		49 IN	5+	IT	96.75 49.51 D 1	4.28E+06
114M		49 IN	5+	EC	3.25 49.51 D 1	4.28E+06
!114M		49 IN		-8 IT	100 43.1 MS 6	4.31E-02
	115	49 IN	9/2+	B-	100 4.41E+14 Y 25	1.39E+22
115M		49 IN	1/2-	IT	95 4.486 H 4	1.61E+04
115M		49 IN	1/2-	B-	5 4.486 H 4	1.61E+04
	116	49 IN	1+	B-	99.98 14.10 S 3	1.41E+01
	116	49 IN	1+	EC	0.02 14.10 S 3	1.41E+01
116M		49 IN	5+	B-	100 54.29 M 17	3.26E+03
116M		49 IN		-8 IT	100 2.18 S 4	2.18E+00
	117	49 IN	9/2+	B-	100 43.2 M 3	2.59E+03
117M		49 IN	1/2-	B-	52.9 116.2 M 3	6.97E+03
117M		49 IN	1/2-	IT	47.1 116.2 M 3	6.97E+03
	118	49 IN	1+	B-	100 5.0 S 5	5.00E+00
118M		49 IN	5+	B-	100 4.45 M 5	2.67E+02
118M		49 IN		-8 IT	98.6 8.5 S 3	8.50E+00
118M		49 IN		-8 B-	1.4 8.5 S 3	8.50E+00
F119		49 IN	9/2+	B-	100 2.4 M 1	1.44E+02
119M		49 IN	1/2-	B-	94.4 18.0 M 3	1.08E+03
119M		49 IN	1/2-	IT	5.6 18.0 M 3	1.08E+03
F120		49 IN	1+	B-	100 3.08 S 8	3.08E+00
F120M		49 IN	(8-)	B-	100 47.3 S 5	4.73E+01
F120M		49 IN	(5+)	B-	100 46.2 S 8	4.62E+01
F121		49 IN	9/2+	B-	100 23.1 S 6	2.31E+01

F121M	49 IN	1/2-	B-	98.8 3.88 M 10	2.33E+02
F121M	49 IN	1/2-	IT	1.2 3.88 M 10	2.33E+02
F122	49 IN	1+	B-	100 1.5 S 3	1.50E+00
F122M	49 IN	5+	B-	100 10.3 S 6	1.03E+01
F122M	49 IN		-8 B-	100 10.8 S 4	1.08E+01
F123	49 IN	(9/2)+	B-	100 6.17 S 5	6.17E+00
F123M	49 IN	(1/2)-	B-	100 47.4 S 4	4.74E+01
F124	49 IN	3+	B-	100 3.11 S 10	3.11E+00
F124M	49 IN	(8-)	B-	100 3.7 S 2	3.70E+00
F125	49 IN	9/2+	B-	100 2.36 S 4	2.36E+00
F125M	49 IN	1/2(-)	B-	100 12.2 S 2	1.22E+01
F126	49 IN	3(+)	B-	100 1.53 S 1	1.53E+00
F126M	49 IN	(8-)	B-	100 1.64 S 5	1.64E+00
F127	49 IN	(9/2+)	B-	100 1.09 S 1	1.09E+00
F127	49 IN	(9/2+)	BN&	0.03 1.09 S 1	1.09E+00
F127M	49 IN	(1/2-)	B-	100 3.67 S 4	3.67E+00
F127M	49 IN	(1/2-)	BN	0.69 3.67 S 4	3.67E+00
F128	49 IN	(3)+	B-	100 0.84 S 6	8.40E-01
F128	49 IN	(3)+	BN<	0.05 0.84 S 6	8.40E-01
F128M	49 IN	(8-)	B-	100 0.72 S 10	7.20E-01
F128M	49 IN	(8-)	BN<	0.05 0.72 S 10	7.20E-01
F129	49 IN	(9/2+)	B-	100 0.61 S 1	6.10E-01
F129	49 IN	(9/2+)	BN	0.25 0.61 S 1	6.10E-01
F129M	49 IN	(1/2-)	B->	99.7 1.23 S 3	1.23E+00
F129M	49 IN	(1/2-)	BN	2.5 1.23 S 3	1.23E+00
F129M	49 IN	(1/2-)	IT<	0.3 1.23 S 3	1.23E+00
F130	49 IN	1(-)	B-	100 0.29 S 2	2.90E-01
F130	49 IN	1(-)	BN	0.93 0.29 S 2	2.90E-01
F130M	49 IN	(10-)	B-	100 0.54 S 1	5.40E-01
F130M	49 IN	(10-)	BN	1.65 0.54 S 1	5.40E-01
F130M	49 IN	(5+)	B-	100 0.54 S 1	5.40E-01
F130M	49 IN	(5+)	BN	1.65 0.54 S 1	5.40E-01
F131	49 IN	(9/2+)	B-	100 0.28 S 3	2.80E-01
F131	49 IN	(9/2+)	BN&	2 0.28 S 3	2.80E-01
F131M	49 IN	(1/2-)	B-#	99.98 0.35 S 5	3.50E-01
F131M	49 IN	(1/2-)	BN&	2 0.35 S 5	3.50E-01
F131M	49 IN	(1/2-)	IT&	0.02 0.35 S 5	3.50E-01
F131M	49 IN		B->	99 0.32 S 6	3.20E-01
F131M	49 IN		IT<	1 0.32 S 6	3.20E-01
F131M	49 IN		BN	0.03 0.32 S 6	3.20E-01
F132	49 IN	(7-)	B-	100 0.207 S 6	2.07E-01
F132	49 IN	(7-)	BN	6.3 0.207 S 6	2.07E-01
F133	49 IN	(9/2+)	B-	100 165 MS 3	1.65E-01
F133	49 IN	(9/2+)	BN	85 165 MS 3	1.65E-01
134	49 IN	(4- to 7-)	B-	100 140 MS 4	1.40E-01
134	49 IN	(4- to 7-)	BN	65 140 MS 4	1.40E-01
135	49 IN		B-	100 92 MS 10	9.20E-02
135	49 IN		BN>	0 92 MS 10	9.20E-02
99	50 SN		EC?	5 MS SY	5.00E-03
99	50 SN		EP?	5 MS SY	5.00E-03
100	50 SN	0+	EC	100 0.94 S +54-27	9.40E-01
100	50 SN	0+	EP<	17 0.94 S +54-27	9.40E-01

101	50 SN		EC	3 S 1	3.00E+00
101	50 SN		EP	3 S 1	3.00E+00
102	50 SN	0+	EC	100 4.5 S 7	4.50E+00
103	50 SN		EC	100 7.0 S 6	7.00E+00
103	50 SN		EP	7.0 S 6	7.00E+00
104	50 SN	0+	EC	100 20.8 S 5	2.08E+01
105	50 SN	(5/2+)	EC	100 34 S 1	3.40E+01
105	50 SN	(5/2+)	EP	34 S 1	3.40E+01
106	50 SN	0+	EC	100 115 S 5	1.15E+02
107	50 SN	(5/2+)	EC	100 2.90 M 5	1.74E+02
108	50 SN	0+	EC	100 10.30 M 8	6.18E+02
109	50 SN	5/2(+)	EC	100 18.0 M 2	1.08E+03
110	50 SN	0+	EC	100 4.11 H 10	1.48E+04
111	50 SN	7/2+	EC	100 35.3 M 6	2.12E+03
!111M	50 SN	1/2+	IT	100 12.5 US 10	1.25E-05
112	50 SN	0+		STABLE	0.00E+00
113	50 SN	1/2+	EC	100 115.09 D 3	9.94E+06
113M	50 SN	7/2+	IT	91.1 21.4 M 4	1.28E+03
113M	50 SN	7/2+	EC	8.9 21.4 M 4	1.28E+03
114	50 SN	0+		STABLE	0.00E+00
115	50 SN	1/2+		STABLE	0.00E+00
!115M	50 SN	7/2+	IT	100 3.26 US 8	3.26E-06
!115M	50 SN	11/2-	IT	100 159 US 1	1.59E-04
116	50 SN	0+		STABLE	0.00E+00
117	50 SN	1/2+		STABLE	0.00E+00
117M	50 SN	11/2-	IT	100 13.76 D 4	1.19E+06
118	50 SN	0+		STABLE	0.00E+00
119	50 SN	1/2+		STABLE	0.00E+00
119M	50 SN	11/2-	IT	100 293.1 D 7	2.53E+07
120	50 SN	0+		STABLE	0.00E+00
F121	50 SN	3/2+	B-	100 27.03 H 4	9.73E+04
121M	50 SN	11/2-	IT	77.6 43.9 Y 5	1.39E+09
121M	50 SN	11/2-	B-	22.4 43.9 Y 5	1.39E+09
F122	50 SN	0+		STABLE	0.00E+00
F123	50 SN	11/2-	B-	100 129.2 D 4	1.12E+07
F123M	50 SN	3/2+	B-	100 40.06 M 1	2.40E+03
F124	50 SN	0+		STABLE	0.00E+00
!124M	50 SN	(10+)	IT	100 45 US 5	4.50E-05
F125	50 SN	11/2-	B-	100 9.64 D 3	8.33E+05
F125M	50 SN	3/2+	B-	100 9.52 M 5	5.71E+02
F126	50 SN	0+	B-	100 2.30E+5 Y 14	7.26E+12
F127	50 SN	(11/2-)	B-	100 2.10 H 4	7.56E+03
F127M	50 SN	(3/2+)	B-	100 4.13 M 3	2.48E+02
F128	50 SN	0+	B-	100 59.07 M 14	3.54E+03
F128M	50 SN	(7-)	IT	100 6.5 S 5	6.50E+00
F129	50 SN	(3/2+)	B-	100 2.23 M 4	1.34E+02
F129M	50 SN	(11/2-)	B-	100 6.9 M 1	4.14E+02
F129M	50 SN	(11/2-)	IT<	2.00E-03 6.9 M 1	4.14E+02
F130	50 SN	0+	B-	100 3.72 M 7	2.23E+02
F130M	50 SN	(7-)	B-	100 1.7 M 1	1.02E+02
F131	50 SN	(3/2+)	B-	100 56.0 S 5	5.60E+01
F131M	50 SN	(11/2-)	B-	100 58.4 S 5	5.84E+01

F131M	50 SN	(11/2-)	IT&	4.00E-04	58.4 S 5	5.84E+01
F132	50 SN	0+	B-	100	39.7 S 8	3.97E+01
!132M	50 SN	(8+)	IT	100	2.03 US 4	2.03E-06
F133	50 SN	(7/2-)	B-	100	1.45 S 3	1.45E+00
F133	50 SN	(7/2-)	BN	0.08	1.45 S 3	1.45E+00
F134	50 SN	0+	B-	100	1.050 S 11	1.05E+00
F134	50 SN	0+	BN	17	1.050 S 11	1.05E+00
F135	50 SN	(7/2-)	B-	100	530 MS 20	5.30E-01
F135	50 SN	(7/2-)	BN	21	530 MS 20	5.30E-01
136	50 SN	0+	B-	100	0.25 S 3	2.50E-01
136	50 SN	0+	BN	30	0.25 S 3	2.50E-01
137	50 SN		B-	100	190 MS 60	1.90E-01
137	50 SN		BN	58	190 MS 60	1.90E-01
103	51 SB		EC?		1.5 US GT	1.50E-06
104	51 SB		EC	100	0.44 S +15-11	4.40E-01
104	51 SB		EP<	7	0.44 S +15-11	4.40E-01
104	51 SB		P <	1	0.44 S +15-11	4.40E-01
105	51 SB	(5/2+)	EC	99	1.12 S 16	1.12E+00
105	51 SB	(5/2+)	P	1	1.12 S 16	1.12E+00
106	51 SB	(4+)	EC		0.6 S 2	6.00E-01
107	51 SB	(5/2+)	EC	100	4.0 S 2	4.00E+00
108	51 SB	(4+)	EC	100	7.4 S 3	7.40E+00
109	51 SB	(5/2+)	EC	100	17.3 S 5	1.73E+01
110	51 SB	(3+,4+)	EC	100	23.0 S 4	2.30E+01
111	51 SB	(5/2+)	EC	100	75 S 1	7.50E+01
112	51 SB	3+	EC	100	51.4 S 10	5.14E+01
113	51 SB	5/2+	EC	100	6.67 M 7	4.00E+02
114	51 SB	3+	EC	100	3.49 M 3	2.09E+02
115	51 SB	5/2+	EC	100	32.1 M 3	1.93E+03
!115M	51 SB	11/2-	IT	100	6.2 NS 3	6.20E-09
!115M	51 SB	(19/2)-	IT	100	159 NS 3	1.59E-07
!115M	51 SB	(25/2)+	IT	100	4.1 NS 2	4.10E-09
116	51 SB	3+	EC	100	15.8 M 8	9.48E+02
116M	51 SB		-8 EC	100	60.3 M 6	3.62E+03
117	51 SB	5/2+	EC	100	2.80 H 1	1.01E+04
117	51 SB	5/2+	EC	1.7	2.80 H 1	1.01E+04
!117M	51 SB	(25/2)+	IT	100	355 US 17	3.55E-04
118	51 SB	1+	EC	100	3.6 M 1	2.16E+02
118M	51 SB		-8 EC	100	5.00 H 2	1.80E+04
119	51 SB	5/2+	EC	100	38.19 H 22	1.37E+05
119M	51 SB	(27/2+)	IT	100	0.85 S 9	8.50E-01
120	51 SB	1+	EC	100	15.89 M 4	9.53E+02
120M	51 SB		-8 EC	100	5.76 D 2	4.98E+05
121	51 SB	5/2+			STABLE	0.00E+00
122	51 SB		-2 B-	97.59	2.7238 D 2	2.35E+05
122	51 SB		-2 EC	2.41	2.7238 D 2	2.35E+05
!122M	51 SB	5+	IT	100	0.53 MS 3	5.30E-04
122M	51 SB	(8)-	IT	100	4.191 M 3	2.51E+02
123	51 SB	7/2+			STABLE	0.00E+00
124	51 SB		-3 B-	100	60.11 D 7	5.19E+06
124M	51 SB	5+	IT	75	93 S 5	9.30E+01
124M	51 SB	5+	B-	25	93 S 5	9.30E+01

124M	51 SB	(8)-	IT	100 20.2 M 2	1.21E+03
125	51 SB	7/2+	B-	100 2.7586 Y 3	8.71E+07
F126	51 SB	(8-)	B-	100 12.35 D 6	1.07E+06
F126M	51 SB	(5+)	B-	86 19.15 M 8	1.15E+03
F126M	51 SB	(5+)	IT	14 19.15 M 8	1.15E+03
F126M	51 SB	(3-)	IT	100 11 S AP	1.10E+01
F127	51 SB	7/2+	B-	100 3.85 D 5	3.33E+05
F128	51 SB		-8 B-	100 9.01 H 4	3.24E+04
F128M	51 SB	5+	B-	96.4 10.4 M 2	6.24E+02
F128M	51 SB	5+	IT	3.6 10.4 M 2	6.24E+02
F129	51 SB	7/2+	B-	100 4.40 H 1	1.58E+04
129M	51 SB	(19/2-)	B-	85 17.7 M 1	1.06E+03
129M	51 SB	(19/2-)	IT	15 17.7 M 1	1.06E+03
F130	51 SB	(8-)	B-	100 39.5 M 8	2.37E+03
F130M	51 SB	(4,5)+	B-	100 6.3 M 2	3.78E+02
F131	51 SB	(7/2+)	B-	100 23.03 M 4	1.38E+03
F132	51 SB	(4)+	B-	100 2.79 M 7	1.67E+02
F132M	51 SB	(8-)	B-	100 4.10 M 5	2.46E+02
F133	51 SB	(7/2+)	B-	100 2.5 M 1	1.50E+02
!133M	51 SB		IT	100 3 US 1	3.00E-06
!133M	51 SB		IT	100 16.0 US 15	1.60E-05
F134	51 SB	(0-)	B-	100 0.78 S 6	7.80E-01
F134M	51 SB	(7-)	B-	100 10.07 S 5	1.01E+01
F134M	51 SB	(7-)	BN	0.09 10.07 S 5	1.01E+01
!134M	51 SB	(1+)	N	100 1 NS LT	1.00E-09
F135	51 SB	(7/2+)	B-	100 1.68 S 2	1.68E+00
F135	51 SB	(7/2+)	BN	22 1.68 S 2	1.68E+00
F136	51 SB		-1 B-	100 0.923 S 14	9.23E-01
F136	51 SB		-1 BN	16.3 0.923 S 14	9.23E-01
!136M	51 SB	(6-)	IT	100 0.57 US 5	5.70E-07
F137	51 Sb		B-?	150 NS GT	1.50E-07
F137	51 Sb		BN?	150 NS GT	1.50E-07
138	51 Sb		B-?	300 NS GT	3.00E-07
138	51 Sb		BN?	300 NS GT	3.00E-07
139	51 SB		B-?	150 NS GT	1.50E-07
105	52 TE		A ?	1 US SY	1.00E-06
105	52 TE		EC?	1 US SY	1.00E-06
106	52 TE	0+	A	100 70 US +20-10	7.00E-05
107	52 TE		A	70 3.1 MS 1	3.10E-03
107	52 TE		EC	30 3.1 MS 1	3.10E-03
108	52 TE	0+	EC	51 2.1 S 1	2.10E+00
108	52 TE	0+	A	49 2.1 S 1	2.10E+00
108	52 TE	0+	EP	2.4 2.1 S 1	2.10E+00
109	52 TE	(5/2+)	EC	96.1 4.6 S 3	4.60E+00
109	52 TE	(5/2+)	EP	9.4 4.6 S 3	4.60E+00
109	52 TE	(5/2+)	A	3.9 4.6 S 3	4.60E+00
109	52 TE	(5/2+)	EA<	5.00E-03 4.6 S 3	4.60E+00
110	52 TE	0+	EC@	100 18.6 S 8	1.86E+01
110	52 TE	0+	A @	3.00E-03 18.6 S 8	1.86E+01
111	52 TE	(5/2+)	EC	100 19.3 S 4	1.93E+01
111	52 TE	(5/2+)	EP	19.3 S 4	1.93E+01
112	52 TE	0+	EC	100 2.0 M 2	1.20E+02

	113	52 TE	(7/2+)	EC	100 1.7 M 2	1.02E+02
	114	52 TE	0+	EC	100 15.2 M 7	9.12E+02
	115	52 TE	7/2+	EC	100 5.8 M 2	3.48E+02
	115M	52 TE	(1/2)+	EC&	100 6.7 M 4	4.02E+02
	115M	52 TE	(1/2)+	IT	6.7 M 4	4.02E+02
	!115M	52 TE	11/2-	IT	100 7.5 US 2	7.50E-06
	116	52 TE	0+	EC	100 2.49 H 4	8.96E+03
	117	52 TE	1/2+	EC	100 62 M 2	3.72E+03
	117	52 TE	1/2+	EC	25 62 M 2	3.72E+03
	117M	52 TE	(11/2-)	IT	100 103 MS 3	1.03E-01
	118	52 TE	0+	EC	100 6.00 D 2	5.18E+05
	119	52 TE	1/2+	EC	100 16.05 H 5	5.78E+04
	119	52 TE	1/2+	EC	2.06 16.05 H 5	5.78E+04
	119M	52 TE	11/2-	EC	100 4.70 D 4	4.06E+05
	119M	52 TE	11/2-	EC	0.41 4.70 D 4	4.06E+05
	119M	52 TE	11/2-	IT<	8.00E-03 4.70 D 4	4.06E+05
	120	52 TE	0+	2EC	2.2E+16 Y GT	6.94E+23
	121	52 TE	1/2+	EC	100 19.16 D 5	1.66E+06
	121M	52 TE	11/2-	IT	88.6 154 D 7	1.33E+07
	121M	52 TE	11/2-	EC	11.4 154 D 7	1.33E+07
	122	52 TE	0+		STABLE	0.00E+00
	123	52 TE	1/2+	EC	100 9.2E+16 Y GT	2.90E+24
	123M	52 TE	11/2-	IT	100 119.2 D 1	1.03E+07
	124	52 TE	0+		STABLE	0.00E+00
	125	52 TE	1/2+		STABLE	0.00E+00
	125M	52 TE	11/2-	IT	100 57.40 D 15	4.96E+06
	126	52 TE	0+		STABLE	0.00E+00
	127	52 TE	3/2+	B-	100 9.35 H 7	3.37E+04
	127M	52 TE	11/2-	IT	97.6 109 D 2	9.42E+06
	127M	52 TE	11/2-	B-	2.4 109 D 2	9.42E+06
	F128	52 TE	0+	2B-	100 8.8E+18 Y 4	2.78E+26
	129	52 TE	3/2+	B-	100 69.6 M 3	4.18E+03
	129M	52 TE	11/2-	IT	63 33.6 D 1	2.90E+06
	129M	52 TE	11/2-	B-	37 33.6 D 1	2.90E+06
	F130	52 TE	0+	2B-	100 5E+23 Y GT	1.58E+31
	F131	52 TE	3/2+	B-	100 25.0 M 1	1.50E+03
	F131M	52 TE	11/2-	B-	77.8 30 H 2	1.08E+05
	F131M	52 TE	11/2-	IT	22.2 30 H 2	1.08E+05
	F132	52 TE	0+	B-	100 3.204 D 13	2.77E+05
	!132M	52 TE	(7)-	IT	100 28.1 US 15	2.81E-05
	!132M	52 TE	(10+)	IT	100 3.70 US 9	3.70E-06
	F133	52 TE	(3/2+)	B-	100 12.5 M 3	7.50E+02
	F133M	52 TE	(11/2-)	B-	82.5 55.4 M 4	3.32E+03
	F133M	52 TE	(11/2-)	IT	17.5 55.4 M 4	3.32E+03
	F134	52 TE	0+	B-	100 41.8 M 8	2.51E+03
	!134M	52 TE	6+	IT	100 164.1 NS 9	1.64E-07
	F135	52 TE	(7/2-)	B-	100 19.0 S 2	1.90E+01
	F136	52 TE	0+	B-	100 17.63 S 8	1.76E+01
	F136	52 TE	0+	BN	1.31 17.63 S 8	1.76E+01
	F137	52 TE	(7/2-)	B-	100 2.49 S 5	2.49E+00
	F137	52 TE	(7/2-)	BN	2.69 2.49 S 5	2.49E+00
	F138	52 TE	0+	B-	100 1.4 S 4	1.40E+00

F138	52 TE	0+	BN	6.3 1.4 S 4	1.40E+00
F139	52 TE	(7/2-)	B-	150 NS GT	1.50E-07
F139	52 TE	(7/2-)	BN	150 NS GT	1.50E-07
F140	52 TE	0+	B-?	150 NS GT	1.50E-07
F140	52 TE	0+	BN?	150 NS GT	1.50E-07
141	52 TE		B-?	150 NS GT	1.50E-07
141	52 TE		BN?	150 NS GT	1.50E-07
142	52 TE	0+	B-?	150 NS GT	1.50E-07
108	53 I		-1 A	91 36 MS 6	3.60E-02
108	53 I		-1 EC	9 36 MS 6	3.60E-02
108	53 I		-1 P <	1 36 MS 6	3.60E-02
109	53 I	1/2+	P	100 103 US 5	1.03E-04
110	53 I		EC	83 0.65 S 2	6.50E-01
110	53 I		A	17 0.65 S 2	6.50E-01
110	53 I		EP	11 0.65 S 2	6.50E-01
110	53 I		EA	1.1 0.65 S 2	6.50E-01
111	53 I	(5/2+)	EC	99.9 2.5 S 2	2.50E+00
111	53 I	(5/2+)	A @	0.1 2.5 S 2	2.50E+00
112	53 I		EC	100 3.42 S 11	3.42E+00
112	53 I		A @	1.20E-03 3.42 S 11	3.42E+00
113	53 I	5/2+	EC	100 6.6 S 2	6.60E+00
113	53 I	5/2+	A	3.30E-07 6.6 S 2	6.60E+00
114	53 I	1+	EC	100 2.1 S 2	2.10E+00
114	53 I	1+	EP	2.1 S 2	2.10E+00
114M	53 I		-7 EC	91 6.2 S 5	6.20E+00
114M	53 I		-7 IT	9 6.2 S 5	6.20E+00
115	53 I	(5/2+)	EC	100 1.3 M 2	7.80E+01
116	53 I	1+	EC	100 2.91 S 15	2.91E+00
117	53 I	(5/2+)	EC	100 2.22 M 4	1.33E+02
118	53 I		-2 EC	100 13.7 M 5	8.22E+02
118M	53 I	(7-)	EC<	100 8.5 M 5	5.10E+02
118M	53 I	(7-)	IT>	0 8.5 M 5	5.10E+02
119	53 I	5/2+	EC	100 19.1 M 4	1.15E+03
120	53 I		-2 EC	100 81.6 M 2	4.90E+03
120M	53 I	(7-)	EC	100 53 M 4	3.18E+03
121	53 I	5/2+	EC	100 2.12 H 1	7.63E+03
122	53 I	1+	EC	100 3.63 M 6	2.18E+02
123	53 I	5/2+	EC	100 13.232 H 6	4.76E+04
124	53 I		-2 EC	100 4.1760 D 3	3.61E+05
125	53 I	5/2+	EC	100 59.400 D 10	5.13E+06
126	53 I		-2 EC	52.7 12.93 D 5	1.12E+06
126	53 I		-2 B-	47.3 12.93 D 5	1.12E+06
127	53 I	5/2+		STABLE	0.00E+00
128	53 I	1+	B-	93.1 24.99 M 2	1.50E+03
128	53 I	1+	EC	6.9 24.99 M 2	1.50E+03
129	53 I	7/2+	B-	100 1.57E+7 Y 4	4.95E+14
F130	53 I	5+	B-	100 12.36 H 1	4.45E+04
130M	53 I	2+	IT	84 8.84 M 6	5.30E+02
130M	53 I	2+	B-	16 8.84 M 6	5.30E+02
F131	53 I	7/2+	B-	100 8.02070 D 11	6.93E+05
F132	53 I	4+	B-	100 2.295 H 13	8.26E+03
F132M	53 I	(8-)	IT	86 1.387 H 15	4.99E+03

F132M	53 I	(8-)	B-	14 1.387 H 15	4.99E+03
F133	53 I	7/2+	B-	100 20.8 H 1	7.49E+04
F133M	53 I	(19/2-)	IT	100 9 S 2	9.00E+00
F134	53 I	(4)+	B-	100 52.5 M 2	3.15E+03
F134M	53 I	(8)-	IT	97.7 3.52 M 4	2.11E+02
F134M	53 I	(8)-	B-	2.3 3.52 M 4	2.11E+02
F135	53 I	7/2+	B-	100 6.57 H 2	2.37E+04
F136	53 I	(1-)	B-	100 83.4 S 10	8.34E+01
F136M	53 I	(6-)	B-	100 46.9 S 10	4.69E+01
F137	53 I	(7/2+)	B-	100 24.5 S 2	2.45E+01
F137	53 I	(7/2+)	BN	6.97 24.5 S 2	2.45E+01
F138	53 I	(2-)	B-	100 6.23 S 3	6.23E+00
F138	53 I	(2-)	BN	5.56 6.23 S 3	6.23E+00
F139	53 I	(7/2+)	B-	100 2.280 S 11	2.28E+00
F139	53 I	(7/2+)	BN	10 2.280 S 11	2.28E+00
F140	53 I		-3 B-	100 0.86 S 4	8.60E-01
F140	53 I		-3 BN	9.3 0.86 S 4	8.60E-01
F141	53 I		B-	100 0.43 S 2	4.30E-01
F141	53 I		BN	21.2 0.43 S 2	4.30E-01
F142	53 I		B-	100 0.2 S AP	2.00E-01
143	53 I		B-?	150 NS GT	1.50E-07
144	53 I		B-?	300 NS GT	3.00E-07
110	54 XE	0+	A @	64 105 MS +35-25	1.05E-01
110	54 XE	0+	EC	0.2 S AP	2.00E-01
111	54 XE		A	8 0.74 S 20	7.40E-01
111	54 XE		EC	0.74 S 20	7.40E-01
112	54 XE	0+	EC	99.16 2.7 S 8	2.70E+00
112	54 XE	0+	A	0.84 2.7 S 8	2.70E+00
113	54 XE	(5/2+)	EC@	100 2.74 S 8	2.74E+00
113	54 XE	(5/2+)	EP	7 2.74 S 8	2.74E+00
113	54 XE	(5/2+)	A @	0.01 2.74 S 8	2.74E+00
113	54 XE	(5/2+)	EA@	7.00E-03 2.74 S 8	2.74E+00
114	54 XE	0+	EC	100 10.0 S 4	1.00E+01
115	54 XE	(5/2+)	EC	100 18 S 4	1.80E+01
115	54 XE	(5/2+)	EP	0.34 18 S 4	1.80E+01
115	54 XE	(5/2+)	A	3.00E-04 18 S 4	1.80E+01
116	54 XE	0+	EC	100 59 S 2	5.90E+01
117	54 XE	5/2(+)	EC	100 61 S 2	6.10E+01
117	54 XE	5/2(+)	EP	2.90E-03 61 S 2	6.10E+01
118	54 XE	0+	EC	100 3.8 M 9	2.28E+02
119	54 XE	(5/2+)	EC	100 5.8 M 3	3.48E+02
120	54 XE	0+	EC	100 40 M 1	2.40E+03
121	54 XE	(5/2+)	EC	100 40.1 M 20	2.41E+03
122	54 XE	0+	EC	100 20.1 H 1	7.24E+04
123	54 XE	(1/2)+	EC	100 2.08 H 2	7.49E+03
124	54 XE	0+	2EC	1.1E+17 Y GE	3.47E+24
125	54 XE	1/2(+)	EC	100 16.9 H 2	6.08E+04
125M	54 XE	9/2(-)	IT	100 56.9 S 9	5.69E+01
126	54 XE	0+		STABLE	0.00E+00
127	54 XE	1/2+	EC	100 36.4 D 1	3.14E+06
127M	54 XE	9/2-	IT	100 69.2 S 9	6.92E+01
128	54 XE	0+		STABLE	0.00E+00

	129	54 XE	1/2+		STABLE	0.00E+00
129M		54 XE	11/2-	IT	100 8.88 D 2	7.67E+05
	130	54 XE	0+		STABLE	0.00E+00
	131	54 XE	3/2+		STABLE	0.00E+00
131M		54 XE	11/2-	IT	100 11.934 D 21	1.03E+06
	132	54 XE	0+		STABLE	0.00E+00
!132M		54 XE	(10+)	IT	100 8.39 MS 11	8.39E-03
F133		54 XE	3/2+	B-	100 5.243 D 1	4.53E+05
F133M		54 XE	11/2-	IT	100 2.19 D 1	1.89E+05
F134		54 XE	0+	2B-#	0 5.8E+22 Y GT	1.83E+30
F134M		54 XE		-7 IT	100 290 MS 17	2.90E-01
F135		54 XE	3/2+	B-	100 9.14 H 2	3.29E+04
F135M		54 XE	11/2-	IT>	99.4 15.29 M 5	9.17E+02
F135M		54 XE	11/2-	B-<	0.6 15.29 M 5	9.17E+02
F136		54 XE	0+	2B-	2.4E+21 Y GT	7.57E+28
F137		54 XE	7/2-	B-	100 3.818 M 13	2.29E+02
F138		54 XE	0+	B-	100 14.08 M 8	8.45E+02
F139		54 XE	3/2-	B-	100 39.68 S 14	3.97E+01
F140		54 XE	0+	B-	100 13.60 S 10	1.36E+01
F141		54 XE	5/2(-)	B-	100 1.73 S 1	1.73E+00
F141		54 XE	5/2(-)	BN	0.04 1.73 S 1	1.73E+00
F142		54 XE	0+	B-	100 1.250 S 25	1.25E+00
F142		54 XE	0+	BN	0.21 1.250 S 25	1.25E+00
F143		54 XE	5/2-	B-	100 0.511 S 6	5.11E-01
F143		54 XE	5/2-	BN	1 0.511 S 6	5.11E-01
F144		54 XE	0+	B-	100 0.388 S 7	3.88E-01
F144		54 XE	0+	BN	3 0.388 S 7	3.88E-01
	145	54 XE	(3/2-)	B-	100 188 MS 4	1.88E-01
	145	54 XE		BN	5 188 MS 4	1.88E-01
	146	54 XE	0+	B-	100 146 MS 6	1.46E-01
	146	54 XE	0+	BN	6.9 146 MS 6	1.46E-01
	147	54 XE		B-	100 0.10 S +10-5	.1.00E-01
	147	54 XE		BN<	8 0.10 S +10-5	1.00E-01
	112	55 CS	(0+,3+)	P	100 0.5 MS 1	5.00E-04
	113	55 CS	(3/2+)	P	100 16.7 US 7	1.67E-05
	113	55 CS	(3/2+)	A	16.7 US 7	1.67E-05
	114	55 CS	(1+)	EC@	100 0.57 S 2	5.70E-01
	114	55 CS	(1+)	EP	8.7 0.57 S 2	5.70E-01
	114	55 CS	(1+)	EA	0.19 0.57 S 2	5.70E-01
	114	55 CS	(1+)	A	0.02 0.57 S 2	5.70E-01
	115	55 CS		EC	100 1.4 S 8	1.40E+00
	115	55 CS		EP@	0.07 1.4 S 8	1.40E+00
	116	55 CS	(1+)	EC	100 0.70 S 4	7.00E-01
	116	55 CS	(1+)	EP>	0 0.70 S 4	7.00E-01
	116	55 CS	(1+)	EA>	0 0.70 S 4	7.00E-01
116M		55 CS	4+,5,6	EC	100 3.85 S 13	3.85E+00
116M		55 CS	4+,5,6	EP>	0 3.85 S 13	3.85E+00
116M		55 CS	4+,5,6	EA>	0 3.85 S 13	3.85E+00
	117	55 CS	(9/2+)	EC	100 8.4 S 6	8.40E+00
117M		55 CS	(3/2+)	EC	100 6.5 S 4	6.50E+00
	118	55 CS		2 EC	100 14 S 2	1.40E+01
	118	55 CS		2 EP<	0.04 14 S 2	1.40E+01

	118	55 CS		2 EA<	2.40E-03 14 S 2	1.40E+01
118M		55 CS	6,7,8	EC	100 17 S 3	1.70E+01
118M		55 CS	6,7,8	EP<	0.04 17 S 3	1.70E+01
118M		55 CS	6,7,8	EA<	2.40E-03 17 S 3	1.70E+01
	119	55 CS	9/2+	EC	100 43.0 S 2	4.30E+01
119M		55 CS	3/2(+)	EC	100 30.4 S 1	3.04E+01
	120	55 CS	2(+)	EC	100 61.3 S 11	6.13E+01
	120	55 CS	2(+)	EA	2.00E-05 61.3 S 11	6.13E+01
	120	55 CS	2(+)	EP	7.00E-06 61.3 S 11	6.13E+01
120M		55 CS	(7-)	EC	100 57 S 6	5.70E+01
	121	55 CS	3/2(+)	EC	100 155 S 4	1.55E+02
121M		55 CS	9/2(+)	EC	83 122 S 3	1.22E+02
121M		55 CS	9/2(+)	IT	17 122 S 3	1.22E+02
	122	55 CS	1+	EC	100 21.18 S 19	2.12E+01
122M		55 CS		-8 EC	100 3.70 M 11	2.22E+02
122M		55 CS	(5)-	IT	100 0.36 S 2	3.60E-01
	123	55 CS	1/2+	EC	100 5.88 M 3	3.53E+02
123M		55 CS	(11/2)-	IT	100 1.64 S 12	1.64E+00
	124	55 CS	1+	EC	100 30.8 S 5	3.08E+01
124M		55 CS	(7)+	IT	100 6.3 S 2	6.30E+00
	125	55 CS	1/2(+)	EC	100 46.7 M 1	2.80E+03
	126	55 CS	1+	EC	100 1.64 M 2	9.84E+01
	127	55 CS	1/2+	EC	100 6.25 H 10	2.25E+04
	128	55 CS	1+	EC	100 3.66 M 2	2.20E+02
	129	55 CS	1/2+	EC	100 32.06 H 6	1.15E+05
	130	55 CS	1+	EC	98.4 29.21 M 4	1.75E+03
	130	55 CS	1+	B-	1.6 29.21 M 4	1.75E+03
130M		55 CS		-5 IT	99.84 3.46 M 6	2.08E+02
130M		55 CS		-5 EC	0.16 3.46 M 6	2.08E+02
	131	55 CS	5/2+	EC	100 9.689 D 16	8.37E+05
	132	55 CS	2+	EC	98.13 6.480 D 6	5.60E+05
	132	55 CS	2+	B-	1.87 6.480 D 6	5.60E+05
	133	55 CS	7/2+		STABLE	0.00E+00
	134	55 CS	4+	B-	100 2.0652 Y 4	6.52E+07
	134	55 CS	4+	EC	3.00E-04 2.0652 Y 4	6.52E+07
134M		55 CS		-8 IT	100 2.912 H 2	1.05E+04
F135		55 CS	7/2+	B-	100 2.3E+6 Y 3	7.26E+13
F135M		55 CS	19/2-	IT	100 53 M 2	3.18E+03
F136		55 CS	5+	B-	100 13.04 D 3	1.13E+06
F136M		55 CS		-8 IT>	0 19 S 2	1.90E+01
F136M		55 CS		-8 B-	19 S 2	1.90E+01
F137		55 CS	7/2+	B-	100 30.03 Y 5	9.48E+08
F138		55 CS		-3 B-	100 33.41 M 18	2.00E+03
F138M		55 CS		-6 IT	81 2.91 M 8	1.75E+02
F138M		55 CS		-6 B-	19 2.91 M 8	1.75E+02
F139		55 CS	7/2+	B-	100 9.27 M 5	5.56E+02
F140		55 CS		-1 B-	100 63.7 S 3	6.37E+01
F141		55 CS	7/2+	B-	100 24.84 S 16	2.48E+01
F141		55 CS	7/2+	BN	0.04 24.84 S 16	2.48E+01
F142		55 CS		0 B-	100 1.684 S 14	1.68E+00
F142		55 CS		0 BN	0.09 1.684 S 14	1.68E+00
F143		55 CS	3/2+	B-	100 1.791 S 7	1.79E+00

F143	55 CS	3/2+	BN	1.64 1.791 S 7	1.79E+00
F144	55 CS		1 B-	100 0.994 S 4	9.94E-01
F144	55 CS		1 BN	3.2 0.994 S 4	9.94E-01
144M	55 CS	(GE4)	B-	1 S LT	1.00E+00
F145	55 CS	3/2+	B-	100 0.594 S 13	5.94E-01
F145	55 CS	3/2+	BN	14.3 0.594 S 13	5.94E-01
F146	55 CS		-1 B-	100 0.321 S 2	3.21E-01
F146	55 CS		-1 BN	14.2 0.321 S 2	3.21E-01
F147	55 CS	(3/2+)	B-	100 0.235 S 3	2.35E-01
F147	55 CS	(3/2+)	BN	43 0.235 S 3	2.35E-01
148	55 CS		B-	100 146 MS 6	1.46E-01
148	55 CS		BN	25.1 146 MS 6	1.46E-01
149	55 CS		B-	50 MS GT	5.00E-02
149	55 CS		BN	50 MS GT	5.00E-02
150	55 CS		B-	50 MS GT	5.00E-02
150	55 CS		BN	50 MS GT	5.00E-02
151	55 CS		B-?	50 MS GT	5.00E-02
151	55 CS		BN?	50 MS GT	5.00E-02
114	56 BA	0+	EC@	100 0.43 S +30-15	4.30E-01
114	56 BA	0+	EP	20 0.43 S +30-15	4.30E-01
114	56 BA	0+	A	9.00E-05 0.43 S +30-15	4.30E-01
114	56 BA	0+	12C @	3.00E-05 0.43 S +30-15	4.30E-01
115	56 BA	(5/2+)	EC	100 0.45 S 5	4.50E-01
115	56 BA	(5/2+)	EP>	15 0.45 S 5	4.50E-01
116	56 BA	0+	EC	100 1.3 S 2	1.30E+00
116	56 BA	0+	EP	3 1.3 S 2	1.30E+00
117	56 BA	(3/2)	EC	100 1.75 S 7	1.75E+00
117	56 BA	(3/2)	EP>	0 1.75 S 7	1.75E+00
117	56 BA	(3/2)	EA>	0 1.75 S 7	1.75E+00
118	56 BA	0+	EC	100 5.2 S 2	5.20E+00
119	56 BA	(5/2+)	EC	100 5.4 S 3	5.40E+00
119	56 BA	(5/2+)	EP<	25 5.4 S 3	5.40E+00
120	56 BA	0+	EC	100 24 S 2	2.40E+01
121	56 BA	5/2(+)	EC	100 29.7 S 15	2.97E+01
122	56 BA	0+	EC	100 1.95 M 15	1.17E+02
123	56 BA	5/2(+)	EC	100 2.7 M 4	1.62E+02
124	56 BA	0+	EC	100 11.0 M 5	6.60E+02
125	56 BA	1/2(+)	EC	100 3.5 M 4	2.10E+02
126	56 BA	0+	EC	100 100 M 2	6.00E+03
127	56 BA	1/2+	EC	100 12.7 M 4	7.62E+02
127M	56 BA	7/2-	IT	100 1.9 S 2	1.90E+00
128	56 BA	0+	EC	100 2.43 D 5	2.10E+05
129	56 BA	1/2+	EC	100 2.23 H 11	8.03E+03
129M	56 BA	7/2+	EC&	100 2.16 H 2	7.78E+03
129M	56 BA	7/2+	IT	2.16 H 2	7.78E+03
130	56 BA	0+	2EC	3.5E+14 Y GE	1.10E+22
!130M	56 BA		-8 IT	100 9.54 MS 14	9.54E-03
131	56 BA	1/2+	EC	100 11.50 D 6	9.94E+05
131M	56 BA	9/2-	IT	100 14.6 M 2	8.76E+02
132	56 BA	0+	2EC	3.0E+21 Y GT	9.47E+28
133	56 BA	1/2+	EC	100 3841 D 7	3.32E+08
133M	56 BA	11/2-	IT	99.99 38.9 H 1	1.40E+05

133M	56 BA	11/2-	EC	9.60E-03	38.9 H 1	1.40E+05
134	56 BA	0+			STABLE	0.00E+00
!134M	56 BA	(10+)	IT	100	2.63 US 14	2.63E-06
135	56 BA	3/2+			STABLE	0.00E+00
135M	56 BA	11/2-	IT	100	28.7 H 2	1.03E+05
136	56 BA	0+			STABLE	0.00E+00
136M	56 BA		-7 IT	100	0.3084 S 19	3.08E-01
F137	56 BA	3/2+			STABLE	0.00E+00
F137M	56 BA	11/2-	IT	100	2.552 M 1	1.53E+02
F138	56 BA	0+			STABLE	0.00E+00
F139	56 BA	7/2-	B-	100	83.06 M 28	4.98E+03
F140	56 BA	0+	B-	100	12.752 D 3	1.10E+06
F141	56 BA	3/2-	B-	100	18.27 M 7	1.10E+03
F142	56 BA	0+	B-	100	10.6 M 2	6.36E+02
F142	56 BA	0+	BN	0.09	10.6 M 2	6.36E+02
F143	56 BA	5/2-	B-	100	14.5 S 3	1.45E+01
F144	56 BA	0+	B-	100	11.5 S 2	1.15E+01
F144	56 BA	0+	BN	3.6	11.5 S 2	1.15E+01
F145	56 BA	5/2-	B-	100	4.31 S 16	4.31E+00
F146	56 BA	0+	B-	100	2.22 S 7	2.22E+00
F147	56 BA	(3/2+)	B-	100	0.893 S 1	8.93E-01
F147	56 BA	(3/2+)	BN	0.06	0.893 S 1	8.93E-01
F148	56 BA	0+	B-	100	0.612 S 17	6.12E-01
F148	56 BA	0+	BN	0.4	0.612 S 17	6.12E-01
F149	56 BA		B-	100	0.344 S 7	3.44E-01
F149	56 BA		BN	0.43	0.344 S 7	3.44E-01
150	56 BA	0+	B-	100	0.3 S	3.00E-01
151	56 BA		B-?		150 MS GT	1.50E-01
152	56 BA	0+	B-?		0.1 S AP	1.00E-01
153	56 BA		B-?		0.08 S AP	8.00E-02
117	57 LA	(3/2+,3/2-	) P	93.9	23.5 MS 26	2.35E-02
117	57 LA	(3/2+,3/2-	) EC	6.1	23.5 MS 26	2.35E-02
117M	57 LA	(9/2+)	P	97.4	10 MS 5	1.00E-02
117M	57 LA	(9/2+)	EC	2.6	10 MS 5	1.00E-02
118	57 LA		EC?		1 S AP	1.00E+00
119	57 LA		EC?		2 S AP	2.00E+00
120M	57 LA		EC	100	2.8 S 2	2.80E+00
120M	57 LA		EP>	0	2.8 S 2	2.80E+00
121	57 LA		EC	100	5.3 S 2	5.30E+00
122	57 LA		EC	100	8.6 S 5	8.60E+00
122	57 LA		EP		8.6 S 5	8.60E+00
123	57 LA		EC	100	17 S 3	1.70E+01
124M	57 LA	low	EC	100	1 S LT	1.00E+00
124M	57 LA	(7,8-)	EC	100	29 S 1	2.90E+01
125	57 LA		EC	100	64.8 S 12	6.48E+01
125M	57 LA		IT		0.4 S 2	4.00E-01
126M	57 LA	(0-,1,2-)	EC		50 S LT	5.00E+01
126M	57 LA	(0-,1,2-)	IT		50 S LT	5.00E+01
126M	57 LA	(5+)	EC>	0	54 S 2	5.40E+01
127	57 LA	(11/2-)	EC	100	5.1 M 1	3.06E+02
127M	57 LA	(3/2+)	EC	100	3.7 M 4	2.22E+02
127M	57 LA	(3/2+)	IT		3.7 M 4	2.22E+02

	128	57 LA	(5+)	EC	100 5.18 M 14	3.11E+02
128M		57 LA	(1+,2-)	EC	100 1.4 M LT	8.40E+01
	129	57 LA	3/2+	EC	100 11.6 M 2	6.96E+02
129M		57 LA	11/2-	IT	100 0.56 S 5	5.60E-01
	130	57 LA	3(+)	EC	100 8.7 M 1	5.22E+02
	131	57 LA	3/2+	EC	100 59 M 2	3.54E+03
!131M		57 LA	11/2-	IT	100 170 US 10	1.70E-04
	132	57 LA		-2 EC	100 4.8 H 2	1.73E+04
132M		57 LA		-6 IT	76 24.3 M 5	1.46E+03
132M		57 LA		-6 EC	24 24.3 M 5	1.46E+03
	133	57 LA	5/2+	EC	100 3.912 H 8	1.41E+04
	134	57 LA	1+	EC	100 6.45 M 16	3.87E+02
!134M		57 LA		IT	100 29 US 4	2.90E-05
	135	57 LA	5/2+	EC	100 19.5 H 2	7.02E+04
	136	57 LA	1+	EC	100 9.87 M 3	5.92E+02
136M		57 LA	(8+)	IT	100 114 MS 3	1.14E-01
	137	57 LA	7/2+	EC	100 6E+4 Y 2	1.89E+12
	138	57 LA	5+	EC	65.6 1.02E+11 Y 1	3.22E+18
	138	57 LA	5+	B-	34.4 1.02E+11 Y 1	3.22E+18
	139	57 LA	7/2+		STABLE	0.00E+00
F140		57 LA		-3 B-	100 1.6781 D 3	1.45E+05
F141		57 LA	(7/2+)	B-	100 3.92 H 3	1.41E+04
F142		57 LA		-2 B-	100 91.1 M 5	5.47E+03
F143		57 LA	(7/2+)	B-	100 14.2 M 1	8.52E+02
F144		57 LA	(3-)	B-	100 40.8 S 4	4.08E+01
F145		57 LA	(5/2+)	B-	100 24.8 S 20	2.48E+01
F146		57 LA		-2 B-	100 6.27 S 10	6.27E+00
F146M		57 LA	(6-)	B-	100 10.0 S 1	1.00E+01
F147		57 LA	(5/2+)	B-	100 4.015 S 8	4.01E+00
F147		57 LA	(5/2+)	BN	0.04 4.015 S 8	4.01E+00
F148		57 LA	(2-)	B-	100 1.26 S 8	1.26E+00
F148		57 LA	(2-)	BN	0.15 1.26 S 8	1.26E+00
F149		57 LA	(3/2,5/2)	B-	100 1.05 S 3	1.05E+00
F149		57 LA	(3/2,5/2)	BN	1.43 1.05 S 3	1.05E+00
F150		57 LA	(3-)	B-	100 0.51 S 3	5.10E-01
F150		57 LA	(3-)	BN	2.7 0.51 S 3	5.10E-01
F151		57 LA		B-?	150 NS GT	1.50E-07
	152	57 LA		B-?	150 NS GT	1.50E-07
	153	57 LA			100 NS GT	1.00E-07
	154	57 LA		B-?	0.1 S AP	1.00E-01
	155	57 LA		B-?	0.06 S AP	6.00E-02
119		58 CE		EC?	0.2 S AP	2.00E-01
120		58 CE	0+	EC?	0.25 S AP	2.50E-01
121		58 CE		EC	100 1.1 S 1	1.10E+00
121		58 CE		EP@	1 1.1 S 1	1.10E+00
122		58 CE	0+	EC?	2 S AP	2.00E+00
122		58 CE	0+	EP?	2 S AP	2.00E+00
123		58 CE	(5/2)	EC	100 3.8 S 2	3.80E+00
123		58 CE	(5/2)	EP>	0 3.8 S 2	3.80E+00
124		58 CE	0+	EC	100 6 S 2	6.00E+00
125		58 CE	(5/2+)	EC	100 10.2 S 4	1.02E+01
125		58 CE	(5/2+)	EP	10.2 S 4	1.02E+01

	126	58 CE	0+	EC	100 51.0 S 3	5.10E+01
	127	58 CE	(5/2+)	EC	100 31 S 2	3.10E+01
	128	58 CE	0+	EC	100 3.93 M 2	2.36E+02
	129	58 CE	5/2+	EC>	0 3.5 M 5	2.10E+02
	130	58 CE	0+	EC	100 22.9 M 5	1.37E+03
	131	58 CE	(7/2+)	EC	100 10.2 M 3	6.12E+02
131M		58 CE	(1/2+)	EC	100 5.0 M 10	3.00E+02
	132	58 CE	0+	EC	100 3.51 H 11	1.26E+04
!132M		58 CE	(8-)	IT	100 9.4 MS 3	9.40E-03
	133	58 CE	1/2+	EC	100 97 M 4	5.82E+03
133M		58 CE	9/2-	EC	100 4.9 H 4	1.76E+04
	134	58 CE	0+	EC	100 3.16 D 4	2.73E+05
	135	58 CE	1/2(+)	EC	100 17.7 H 3	6.37E+04
135M		58 CE	(11/2-)	IT	100 20 S 1	2.00E+01
	136	58 CE	0+	2EC	0.7E+14 Y GT	2.21E+21
	137	58 CE	3/2+	EC	100 9.0 H 3	3.24E+04
137M		58 CE	11/2-	IT	99.22 34.4 H 3	1.24E+05
137M		58 CE	11/2-	EC	0.78 34.4 H 3	1.24E+05
	138	58 CE	0+	2EC	100 0.9E+14 Y GE	2.84E+21
!138M		58 CE		-7 IT	100 8.65 MS 20	8.65E-03
!138M		58 CE	10+	IT	100 81 NS 2	8.10E-08
	139	58 CE	3/2+	EC	100 137.641 D 20	1.19E+07
139M		58 CE	11/2-	IT	100 54.8 S 10	5.48E+01
	140	58 CE	0+		STABLE	0.00E+00
	141	58 CE	7/2-	B-	100 32.508 D 13	2.81E+06
F142		58 CE	0+	2B-	2.6E+17 Y GT	8.20E+24
F143		58 CE	3/2-	B-	100 33.039 H 6	1.19E+05
F144		58 CE	0+	B-	100 284.91 D 5	2.46E+07
F145		58 CE	(3/2-)	B-	100 3.01 M 6	1.81E+02
F146		58 CE	0+	B-	100 13.52 M 13	8.11E+02
F147		58 CE	(5/2-)	B-	100 56.4 S 10	5.64E+01
F148		58 CE	0+	B-	100 56 S 1	5.60E+01
F149		58 CE	(3/2-)	B-	100 5.3 S 2	5.30E+00
F150		58 CE	0+	B-	100 4.0 S 6	4.00E+00
F151		58 CE		B-	100 1.02 S 6	1.02E+00
F152		58 CE	0+	B-	100 1.4 S 2	1.40E+00
F153		58 CE		B-?	100 NS GT	1.00E-07
	154	58 CE	0+	B-?	150 NS GT	1.50E-07
	155	58 CE		B-?	300 NS GT	3.00E-07
	156	58 CE	0+	B-?	0.15 S AP	1.50E-01
	157	58 CE		B-?	0.05 S AP	5.00E-02
	121	59 PR	(3/2-)	P	1.4 S 8	1.40E+00
	122	59 PR		EC?	0.5 S AP	5.00E-01
	123	59 PR		EC?	0.8 S AP	8.00E-01
	124	59 PR		EC	100 1.2 S 2	1.20E+00
	124	59 PR		EP	1.2 S 2	1.20E+00
	125	59 PR		EC	100 3.3 S 7	3.30E+00
	125	59 PR		EP	3.3 S 7	3.30E+00
	126	59 PR	GE4	EC	100 3.14 S 22	3.14E+00
	126	59 PR	GE4	EP	3.14 S 22	3.14E+00
	127	59 PR		EC	100 4.2 S 3	4.20E+00
	128	59 PR	4,5,6	EC	100 2.84 S 9	2.84E+00

	129	59 PR	(11/2-)	EC>	0 32 S 3	3.20E+01
130?		59 PR	(4,5)+	EC	100 40 S 4	4.00E+01
	131	59 PR	(3/2+)	EC	100 94 S 4	9.40E+01
131M		59 PR	(11/2-)	IT	96.4 5.7 S 2	5.70E+00
131M		59 PR	(11/2-)	EC	3.6 5.7 S 2	5.70E+00
	132	59 PR	(2)+	EC	100 1.6 M 3	9.60E+01
	133	59 PR	(3/2+)	EC	100 6.5 M 3	3.90E+02
134M		59 PR	(6-)	EC	100 11 M AP	6.60E+02
134M		59 PR		-2 EC	100 17 M 2	1.02E+03
	135	59 PR	3/2(+)	EC	100 24 M 2	1.44E+03
	136	59 PR	2+	EC	100 13.1 M 1	7.86E+02
	137	59 PR	5/2+	EC	100 1.28 H 3	4.61E+03
	138	59 PR	1+	EC	100 1.45 M 5	8.70E+01
138M		59 PR		-7 EC	100 2.12 H 4	7.63E+03
	139	59 PR	5/2+	EC	100 4.41 H 4	1.59E+04
	140	59 PR	1+	EC	100 3.39 M 1	2.03E+02
	141	59 PR	5/2+		STABLE	0.00E+00
	142	59 PR		-2 B-	99.98 19.12 H 4	6.88E+04
	142	59 PR		-2 EC	0.02 19.12 H 4	6.88E+04
142M		59 PR		-5 IT	100 14.6 M 5	8.76E+02
	143	59 PR	7/2+	B-	100 13.57 D 2	1.17E+06
	144	59 PR		0 B-	100 17.28 M 5	1.04E+03
144M		59 PR		-3 IT	99.93 7.2 M 3	4.32E+02
144M		59 PR		-3 B-	0.07 7.2 M 3	4.32E+02
F145		59 PR	7/2+	B-	100 5.984 H 10	2.15E+04
F146		59 PR	(2)-	B-	100 24.15 M 18	1.45E+03
F147		59 PR	(3/2+)	B-	100 13.4 M 4	8.04E+02
F148		59 PR		-1 B-	100 2.29 M 2	1.37E+02
F148M		59 PR		-4 B-	100 2.01 M 7	1.21E+02
F149		59 PR	(5/2+)	B-	100 2.26 M 7	1.36E+02
F150		59 PR	(1)-	B-	100 6.19 S 16	6.19E+00
F151		59 PR	(3/2-)	B-	100 18.90 S 7	1.89E+01
F152		59 PR	(4-)	B-	100 3.63 S 12	3.63E+00
F153		59 PR		B-	100 4.28 S 11	4.28E+00
F154		59 PR	(3+,2+)	B-	100 2.3 S 1	2.30E+00
F155		59 PR		B-?	300 NS GT	3.00E-07
	156	59 PR		B-?	300 NS GT	3.00E-07
	157	59 PR		B-?	0.3 S AP	3.00E-01
	158	59 PR		B-?	0.2 S AP	2.00E-01
	159	59 PR		B-?	0.1 S AP	1.00E-01
	124	60 ND	0+	EC?	0.5 S SY	5.00E-01
	125	60 ND	(5/2)	EC	100 0.60 S 15	6.00E-01
	125	60 ND	(5/2)	EP>	0 0.60 S 15	6.00E-01
	126	60 ND	0+	EC	200 NS GT	2.00E-07
	126	60 ND	0+	EP	200 NS GT	2.00E-07
	127	60 ND		EC	100 1.8 S 4	1.80E+00
	127	60 ND		EP	1.8 S 4	1.80E+00
	128	60 ND	0+	EC	100 5 S	5.00E+00
	128	60 ND	0+	EP	5 S	5.00E+00
	129	60 ND	(5/2+)	EC	7 S 1	7.00E+00
	129	60 ND	(5/2+)	EP	7 S 1	7.00E+00
	130	60 ND	0+	EC	100 21 S 3	2.10E+01

	131	60 ND	(5/2)	EC	100 33 S 3	3.30E+01
	131	60 ND	(5/2)	EP	33 S 3	3.30E+01
	132	60 ND	0+	EC	100 94 S 8	9.40E+01
	133	60 ND	(7/2+)	EC	100 70 S 10	7.00E+01
133M		60 ND	(1/2)+	EC	100 70 S AP	7.00E+01
133M		60 ND	(1/2)+	IT	70 S AP	7.00E+01
	134	60 ND	0+	EC	100 8.5 M 15	5.10E+02
!134M		60 ND	(8)-	IT	100 410 US 30	4.10E-04
	135	60 ND	9/2(-)	EC	100 12.4 M 6	7.44E+02
135M		60 ND	(1/2+)	EC>	99.97 5.5 M 5	3.30E+02
135M		60 ND	(1/2+)	IT<	0.03 5.5 M 5	3.30E+02
	136	60 ND	0+	EC	100 50.65 M 33	3.04E+03
	137	60 ND	1/2+	EC	100 38.5 M 15	2.31E+03
137M		60 ND	11/2-	IT	100 1.60 S 15	1.60E+00
	138	60 ND	0+	EC	100 5.04 H 9	1.81E+04
	139	60 ND	3/2+	EC	100 29.7 M 5	1.78E+03
139M		60 ND	11/2-	EC	88.2 5.50 H 20	1.98E+04
139M		60 ND	11/2-	IT	11.8 5.50 H 20	1.98E+04
	140	60 ND	0+	EC	100 3.37 D 2	2.91E+05
!140M		60 ND		-7 IT	100 0.60 MS 5	6.00E-04
	141	60 ND	3/2+	EC	100 2.49 H 3	8.96E+03
141M		60 ND	11/2-	IT	100 62.0 S 8	6.20E+01
141M		60 ND	11/2-	EC<	0.05 62.0 S 8	6.20E+01
	142	60 ND	0+		STABLE	0.00E+00
	143	60 ND	7/2-		STABLE	0.00E+00
	144	60 ND	0+	A	100 2.29E+15 Y 16	7.23E+22
	145	60 ND	7/2-		STABLE	0.00E+00
	146	60 ND	0+		STABLE	0.00E+00
	147	60 ND	5/2-	B-	100 10.98 D 1	9.49E+05
F148		60 ND	0+		STABLE	0.00E+00
F149		60 ND	5/2-	B-	100 1.728 H 1	6.22E+03
F150		60 ND	0+	2B-	0.79E+19 Y 7	2.49E+26
F151		60 ND	3/2+	B-	100 12.44 M 7	7.46E+02
F152		60 ND	0+	B-	100 11.4 M 2	6.84E+02
F153		60 ND	(3/2)-	B-	100 31.6 S 10	3.16E+01
F154		60 ND	0+	B-	100 25.9 S 2	2.59E+01
F155		60 ND		B-	100 8.9 S 2	8.90E+00
F156		60 ND	0+	B-	100 5.49 S 7	5.49E+00
F157		60 ND		B-?	100 NS GT	1.00E-07
	158	60 ND	0+	B-	100 50 NS GT	5.00E-08
	159	60 ND		B-?	0.7 S AP	7.00E-01
	160	60 ND	0+	B-?	0.3 S AP	3.00E-01
	161	60 ND		B-?	0.2 S AP	2.00E-01
	126	61 PM		EC?	0.5 S SY	5.00E-01
	127	61 PM		EC?	1 S SY	1.00E+00
	127	61 PM		P ?	1 S SY	1.00E+00
	128	61 PM		EC	100 1.0 S 3	1.00E+00
	128	61 PM		A	1.0 S 3	1.00E+00
	128	61 PM		EP	1.0 S 3	1.00E+00
	129	61 PM	(5/2-)	EC	2.4 S 9	2.40E+00
	130	61 PM	(4,5,6)	EC	100 2.6 S 2	2.60E+00
	130	61 PM	(4,5,6)	EP	2.6 S 2	2.60E+00

	131	61 PM	(11/2)	EC		6.3 S 8	6.30E+00
	132	61 PM	(3+)	EC		100 6.2 S 6	6.20E+00
	132	61 PM	(3+)	EP@	5.00E-05	6.2 S 6	6.20E+00
	133	61 PM	(11/2-)	EC		100 15 S 3	1.50E+01
	134	61 PM	(2+)	EC		100 5 S AP	5.00E+00
134M		61 PM	(5+)	EC		100 22 S 1	2.20E+01
135M		61 PM	(11/2-)	EC		100 45 S 4	4.50E+01
135M		61 PM	(3/2+,5/2+)	EC		100 49 S 3	4.90E+01
136M		61 PM	(2+)	EC		100 47 S 2	4.70E+01
136M		61 PM	(5-)	EC		100 107 S 6	1.07E+02
	137	61 PM	11/2-	EC		100 2.4 M 1	1.44E+02
	138	61 PM		EC		100 10 S 2	1.00E+01
138M		61 PM		EC		3.24 M 5	1.94E+02
	139	61 PM	(5/2)+	EC		100 4.15 M 5	2.49E+02
139M		61 PM	(11/2)-	IT	99.94	180 MS 20	1.80E-01
139M		61 PM	(11/2)-	EC	0.06	180 MS 20	1.80E-01
	140	61 PM	1+	EC		100 9.2 S 2	9.20E+00
140M		61 PM		-8 EC		100 5.95 M 5	3.57E+02
	141	61 PM	5/2+	EC		100 20.90 M 5	1.25E+03
	142	61 PM	1+	EC		100 40.5 S 5	4.05E+01
!142M		61 PM	(8)-	IT		100 2.0 MS 2	2.00E-03
	143	61 PM	5/2+	EC		100 265 D 7	2.29E+07
	144	61 PM		-5 EC		100 363 D 14	3.14E+07
	145	61 PM	5/2+	EC		100 17.7 Y 4	5.59E+08
	145	61 PM	5/2+	A	3.00E-07	17.7 Y 4	5.59E+08
	146	61 PM		-3 EC		66 5.53 Y 5	1.75E+08
	146	61 PM		-3 B-		34 5.53 Y 5	1.75E+08
	147	61 PM	7/2+	B-		100 2.6234 Y 2	8.28E+07
	148	61 PM		-1 B-		100 5.368 D 2	4.64E+05
148M		61 PM	5-,6-	B-	95.8	41.29 D 11	3.57E+06
148M		61 PM	5-,6-	IT	4.2	41.29 D 11	3.57E+06
	149	61 PM	7/2+	B-		100 53.08 H 5	1.91E+05
	150	61 PM	(1-)	B-		100 2.68 H 2	9.65E+03
F151		61 PM	5/2+	B-		100 28.40 H 4	1.02E+05
F152		61 PM	1+	B-		100 4.12 M 8	2.47E+02
F152M		61 PM		-4 B-		100 7.52 M 8	4.51E+02
F152M		61 PM		-8 B-&		100 13.8 M 2	8.28E+02
F152M		61 PM		-8 IT#		0 13.8 M 2	8.28E+02
F153		61 PM	5/2-	B-		100 5.25 M 2	3.15E+02
F154		61 PM	(3,4)	B-		100 2.68 M 7	1.61E+02
F154M		61 PM	(0,1)	B-		100 1.73 M 10	1.04E+02
F155		61 PM	5/2-	B-		100 41.5 S 2	4.15E+01
156M		61 PM		-4 B-		100 26.70 S 10	2.67E+01
F157		61 PM	(5/2-)	B-		100 10.56 S 10	1.06E+01
F158		61 PM		B-		100 4.8 S 5	4.80E+00
F159		61 PM		B-		100 1.47 S 15	1.47E+00
	160	61 PM		B-?		2 S AP	2.00E+00
	161	61 PM		B-?		0.7 S AP	7.00E-01
	162	61 PM		B-?		0.5 S AP	5.00E-01
	163	61 PM		B-?		0.2 S AP	2.00E-01
	128	62 SM	0+	EC?		0.5 S SY	5.00E-01
	128	62 SM	0+	P ?		0.5 S SY	5.00E-01

	129	62 SM	(1/2+)	EC	0.55 S 10	5.50E-01
	129	62 SM	(1/2+)	EP	0.55 S 10	5.50E-01
	130	62 SM	0+	EC	1 S SY	1.00E+00
	131	62 SM		EC	100 1.2 S 2	1.20E+00
	131	62 SM		EP>	0 1.2 S 2	1.20E+00
	132	62 SM	0+	EC	100 4.0 S 3	4.00E+00
	132	62 SM	0+	EP	4.0 S 3	4.00E+00
	133	62 SM	(5/2+)	EC	100 3.7 S 7	3.70E+00
	133	62 SM	(5/2+)	EP>	0 3.7 S 7	3.70E+00
	134	62 SM	0+	EC	100 9.5 S 8	9.50E+00
	135	62 SM	(3/2+,5/2+)	EC	100 10.3 S 5	1.03E+01
	135	62 SM	(3/2+,5/2+)	EP	0.02 10.3 S 5	1.03E+01
	136	62 SM	0+	EC	100 47 S 2	4.70E+01
	137	62 SM	(9/2-)	EC	100 45 S 1	4.50E+01
	138	62 SM	0+	EC	100 3.1 M 2	1.86E+02
	139	62 SM	1/2+	EC	100 2.57 M 10	1.54E+02
139M		62 SM	11/2-	IT	93.7 10.7 S 6	1.07E+01
139M		62 SM	11/2-	EC	6.3 10.7 S 6	1.07E+01
	140	62 SM	0+	EC	100 14.82 M 12	8.89E+02
	141	62 SM	1/2+	EC	100 10.2 M 2	6.12E+02
141M		62 SM	11/2-	EC	99.69 22.6 M 2	1.36E+03
141M		62 SM	11/2-	IT	0.31 22.6 M 2	1.36E+03
	142	62 SM	0+	EC	100 72.49 M 5	4.35E+03
	143	62 SM	3/2+	EC	100 8.75 M 8	5.25E+02
143M		62 SM	11/2-	IT	99.76 66 S 2	6.60E+01
143M		62 SM	11/2-	EC	0.24 66 S 2	6.60E+01
!143M		62 SM	23/2(-)	IT	100 30 MS 3	3.00E-02
	144	62 SM	0+		STABLE	0.00E+00
	145	62 SM	7/2-	EC	100 340 D 3	2.94E+07
!145M		62 SM	(49/2+)	IT	100 0.96 US +19-15	9.60E-07
	146	62 SM	0+	A	100 10.3E+7 Y 5	3.25E+15
	147	62 SM	7/2-	A	100 1.06E+11 Y 2	3.35E+18
	148	62 SM	0+	A	100 7E+15 Y 3	2.21E+23
	149	62 SM	7/2-		STABLE	0.00E+00
	150	62 SM	0+		STABLE	0.00E+00
	151	62 SM	5/2-	B-	100 90 Y 8	2.84E+09
	152	62 SM	0+		STABLE	0.00E+00
	153	62 SM	3/2+	B-	100 46.284 H 4	1.67E+05
!153M		62 SM	11/2-	IT	100 10.6 MS 3	1.06E-02
F154		62 SM	0+		STABLE	0.00E+00
F155		62 SM	3/2-	B-	100 22.3 M 2	1.34E+03
F156		62 SM	0+	B-	100 9.4 H 2	3.38E+04
F157		62 SM	(3/2-)	B-	100 8.03 M 7	4.82E+02
F158		62 SM	0+	B-	100 5.30 M 3	3.18E+02
F159		62 SM	5/2-	B-	100 11.37 S 15	1.14E+01
F160		62 SM	0+	B-	100 9.6 S 3	9.60E+00
	161	62 SM		B-	100 4.8 S 8	4.80E+00
	162	62 SM	0+	B-?	2 S AP	2.00E+00
	163	62 SM		B-?	1 S AP	1.00E+00
	164	62 SM	0+	B-?	0.5 S AP	5.00E-01
	165	62 SM		B-	0.2 S AP	2.00E-01
	130	63 EU	(1+)	P	0.9 MS +5-3	9.00E-04

	131	63 EU	3/2+	P	87.9 17.8 MS 19	1.78E-02
	131	63 EU	3/2+	EC	12.1 17.8 MS 19	1.78E-02
	132	63 EU		EC	200 MS SY	2.00E-01
	133	63 EU		EC?	1 S AP	1.00E+00
	134	63 EU		EC	100 0.5 S 2	5.00E-01
	134	63 EU		EP>	0 0.5 S 2	5.00E-01
	135	63 EU		EC	100 1.5 S 2	1.50E+00
	135	63 EU		EP	1.5 S 2	1.50E+00
136M		63 EU	(7+)	EC	100 3.3 S 3	3.30E+00
136M		63 EU	(7+)	EP	0.09 3.3 S 3	3.30E+00
136M		63 EU	(3+)	EC	100 3.8 S 3	3.80E+00
136M		63 EU	(3+)	EP	0.09 3.8 S 3	3.80E+00
	137	63 EU	(11/2-)	EC	100 11 S 2	1.10E+01
	138	63 EU	(6-)	EC	100 12.1 S 6	1.21E+01
	139	63 EU	(11/2)-	EC	100 17.9 S 6	1.79E+01
	140	63 EU	1+	EC	100 1.51 S 2	1.51E+00
140M		63 EU	(5-)	IT	100 125 MS 2	1.25E-01
140M		63 EU	(5-)	EC<	1 125 MS 2	1.25E-01
	141	63 EU	5/2+	EC	100 40.7 S 7	4.07E+01
141M		63 EU	11/2-	IT	87 2.7 S 3	2.70E+00
141M		63 EU	11/2-	EC	13 2.7 S 3	2.70E+00
	142	63 EU	1+	EC	100 2.34 S 12	2.34E+00
142M		63 EU		-8 EC	100 1.223 M 8	7.34E+01
	143	63 EU	5/2+	EC	100 2.59 M 2	1.55E+02
	144	63 EU	1+	EC	100 10.2 S 1	1.02E+01
	145	63 EU	5/2+	EC	100 5.93 D 4	5.12E+05
	146	63 EU		-4 EC	100 4.61 D 3	3.98E+05
!146M		63 EU	9+	IT	100 235 US 3	2.35E-04
	147	63 EU	5/2+	EC	100 24.1 D 6	2.08E+06
	147	63 EU	5/2+	A	2.20E-03 24.1 D 6	2.08E+06
	148	63 EU		-5 EC	100 54.5 D 5	4.71E+06
	148	63 EU		-5 A	9.40E-07 54.5 D 5	4.71E+06
	149	63 EU	5/2+	EC	100 93.1 D 4	8.04E+06
	150	63 EU	5(-)	EC	100 36.9 Y 9	1.16E+09
150M		63 EU		0 B-	89 12.8 H 1	4.61E+04
150M		63 EU		0 EC	11 12.8 H 1	4.61E+04
150M		63 EU		0 IT&	5.00E-08 12.8 H 1	4.61E+04
	151	63 EU	5/2+		STABLE	0.00E+00
	152	63 EU		-3 EC	72.1 13.506 Y 6	4.26E+08
	152	63 EU		-3 B-	27.9 13.506 Y 6	4.26E+08
152M		63 EU		0 B-	72 9.3116 H 13	3.35E+04
152M		63 EU		0 EC	28 9.3116 H 13	3.35E+04
152M		63 EU		-8 IT	100 96 M 1	5.76E+03
	153	63 EU	5/2+		STABLE	0.00E+00
	154	63 EU		-3 B-	99.98 8.590 Y 3	2.71E+08
	154	63 EU		-3 EC	0.02 8.590 Y 3	2.71E+08
154M		63 EU	(8-)	IT	100 46.3 M 4	2.78E+03
	155	63 EU	5/2+	B-	100 4.753 Y 14	1.50E+08
	156	63 EU	0+	B-	100 15.19 D 8	1.31E+06
	157	63 EU	5/2+	B-	100 15.18 H 3	5.46E+04
F158		63 EU	(1-)	B-	100 45.9 M 2	2.75E+03
F159		63 EU	5/2+	B-	100 18.1 M 1	1.09E+03

	160	63 EU		1 B-	100 38 S 4	3.80E+01
	161	63 EU		B-	100 26 S 3	2.60E+01
	162	63 EU		B-	100 10.6 S 10	1.06E+01
	163	63 EU		B-?	6 S SY	6.00E+00
	164	63 EU		B-?	2 S AP	2.00E+00
	165	63 EU		B-?	1 S AP	1.00E+00
	166	63 EU		B-	0.4 S AP	4.00E-01
	167	63 EU		B-?	0.2 S AP	2.00E-01
	134	64 GD	0+	EC?	0.4 S SY	4.00E-01
	135	64 GD		EC	100 1.1 S 2	1.10E+00
	135	64 GD		EP@	2 1.1 S 2	1.10E+00
	136	64 GD	0+		200 NS GE	2.00E-07
	137	64 GD	(7/2)	EC	100 2.2 S 2	2.20E+00
	137	64 GD	(7/2)	EP	2.2 S 2	2.20E+00
	138	64 GD	0+	EC	100 4.7 S 9	4.70E+00
	139	64 GD	(9/2-)	EC>	0 5.8 S 9	5.80E+00
	139	64 GD	(9/2-)	EP>	0 5.8 S 9	5.80E+00
139M		64 GD		EC>	0 4.8 S 9	4.80E+00
139M		64 GD		EP>	0 4.8 S 9	4.80E+00
	140	64 GD	0+	EC	100 15.8 S 4	1.58E+01
	141	64 GD	1/2+	EC	100 14 S 4	1.40E+01
	141	64 GD	1/2+	EP	0.03 14 S 4	1.40E+01
141M		64 GD	11/2-	EC	89 24.5 S 5	2.45E+01
141M		64 GD	11/2-	IT	11 24.5 S 5	2.45E+01
	142	64 GD	0+	EC	100 70.2 S 6	7.02E+01
	143	64 GD	(1/2)+	EC	100 39 S 2	3.90E+01
143M		64 GD	(11/2-)	EC	100 110.0 S 14	1.10E+02
	144	64 GD	0+	EC	100 4.47 M 6	2.68E+02
	145	64 GD	1/2+	EC	100 23.0 M 4	1.38E+03
145M		64 GD	11/2-	IT	94.3 85 S 3	8.50E+01
145M		64 GD	11/2-	EC	5.7 85 S 3	8.50E+01
	146	64 GD	0+	EC	100 48.27 D 10	4.17E+06
	147	64 GD	7/2-	EC	100 38.06 H 12	1.37E+05
	148	64 GD	0+	A	100 70.9 Y 10	2.24E+09
	149	64 GD	7/2-	EC	100 9.28 D 10	8.02E+05
	149	64 GD	7/2-	A	4.30E-04 9.28 D 10	8.02E+05
	150	64 GD	0+	A	100 1.79E+6 Y 8	5.65E+13
	151	64 GD	7/2-	EC	100 124 D 1	1.07E+07
	151	64 GD	7/2-	A @	8.00E-07 124 D 1	1.07E+07
	152	64 GD	0+	A	100 1.08E+14 Y 8	3.41E+21
	153	64 GD	3/2-	EC	100 240.4 D 10	2.08E+07
!153M		64 GD	9/2+	IT	100 3.5 US 4	3.50E-06
!153M		64 GD	(11/2-)	IT	100 76.0 US 14	7.60E-05
	154	64 GD	0+		STABLE	0.00E+00
	155	64 GD	3/2-		STABLE	0.00E+00
!155M		64 GD	11/2-	IT	100 31.97 MS 27	3.20E-02
	156	64 GD	0+		STABLE	0.00E+00
	157	64 GD	3/2-		STABLE	0.00E+00
!157M		64 GD	11/2-	IT	100 18.5 US 23	1.85E-05
	158	64 GD	0+		STABLE	0.00E+00
	159	64 GD	3/2-	B-	100 18.479 H 4	6.65E+04
!159M		64 GD	5/2+	IT	100 26.2 NS 8	2.62E-08

	160	64 GD	0+	2B-		3.1E+19 Y GT	9.78E+26
	161	64 GD	5/2-	B-	100	3.66 M 5	2.20E+02
	162	64 GD	0+	B-	100	8.4 M 2	5.04E+02
	163	64 GD	(5/2-,7/2+)	B-	100	68 S 3	6.80E+01
	164	64 GD	0+	B-	100	45 S 3	4.50E+01
	165	64 GD		B-	100	10.3 S 16	1.03E+01
	166	64 GD	0+	B-		7 S AP	7.00E+00
	167	64 GD		B-?		3 S AP	3.00E+00
	168	64 GD	0+	B-?		0.3 S AP	3.00E-01
	169	64 GD		B-?		1 S AP	1.00E+00
	135	65 TB	(7/2-)	P	100	0.94 MS +33-22	9.40E-04
	136	65 TB		EC?		0.2 S SY	2.00E-01
	137	65 TB		P ?		0.6 S SY	6.00E-01
	137	65 TB		EC?		0.6 S SY	6.00E-01
138?		65 TB		EC	100	200 NS GE	2.00E-07
138?		65 TB		P		200 NS GE	2.00E-07
	139	65 TB		EC		1.6 S 2	1.60E+00
	139	65 TB		EP?		1.6 S 2	1.60E+00
	140	65 TB	(7+)	EC	100	2.1 S 4	2.10E+00
	140	65 TB	(7+)	EP	0.26	2.1 S 4	2.10E+00
	141	65 TB	(5/2-)	EC	100	3.5 S 2	3.50E+00
141M		65 TB		EC	100	7.9 S 6	7.90E+00
	142	65 TB	1+	EC	100	597 MS 17	5.97E-01
	142	65 TB	1+	EP	2.20E-03	597 MS 17	5.97E-01
142M		65 TB	(5-)	IT	100	303 MS 17	3.03E-01
!142M		65 TB		IT	100	15 US 4	1.50E-05
	143	65 TB	(11/2-)	EC	100	12 S 1	1.20E+01
143M		65 TB		EC		21 S LT	2.10E+01
	144	65 TB	1+	EC	100	1 S AP	1.00E+00
144M		65 TB	(6-)	IT	66	4.25 S 15	4.25E+00
144M		65 TB	(6-)	EC	34	4.25 S 15	4.25E+00
	145	65 TB	(3/2+)	EC?		20 M AP	1.20E+03
145M		65 TB	(11/2-)	EC	100	30.9 S 7	3.09E+01
	146	65 TB	1+	EC	100	8 S 4	8.00E+00
146M		65 TB		-5 EC	100	23 S 2	2.30E+01
!146M		65 TB	(10+)	IT	100	1.18 MS 2	1.18E-03
	147	65 TB	(1/2+)	EC	100	1.7 H 1	6.12E+03
147M		65 TB	(11/2)-	EC	100	1.83 M 6	1.10E+02
	148	65 TB		-2 EC	100	60 M 1	3.60E+03
148M		65 TB	(9+)	EC	100	2.20 M 5	1.32E+02
	149	65 TB	1/2+	EC	83.3	4.118 H 25	1.48E+04
	149	65 TB	1/2+	A	16.7	4.118 H 25	1.48E+04
149M		65 TB	11/2-	EC	99.98	4.16 M 4	2.50E+02
149M		65 TB	11/2-	A	0.02	4.16 M 4	2.50E+02
	150	65 TB	(2-)	EC	100	3.48 H 16	1.25E+04
	150	65 TB	(2-)	A <	0.05	3.48 H 16	1.25E+04
150M		65 TB	9+	EC	100	5.8 M 2	3.48E+02
	151	65 TB	1/2(+)	EC	100	17.609 H 1	6.34E+04
	151	65 TB	1/2(+)	A	9.50E-03	17.609 H 1	6.34E+04
151M		65 TB	(11/2-)	IT	93.8	25 S 3	2.50E+01
151M		65 TB	(11/2-)	EC		6.2 25 S 3	2.50E+01
	152	65 TB		-2 EC	100	17.5 H 1	6.30E+04

	152	65 TB		-2 A <	7.00E-07 17.5 H 1	6.30E+04
152M		65 TB	8+	IT	78.8 4.2 M 1	2.52E+02
152M		65 TB	8+	EC	21.2 4.2 M 1	2.52E+02
	153	65 TB	5/2+	EC	100 2.34 D 1	2.02E+05
!153M		65 TB	11/2-	IT	100 186 US 4	1.86E-04
	154	65 TB		0 EC	100 21.5 H 4	7.74E+04
	154	65 TB		0 B-<	0.1 21.5 H 4	7.74E+04
154M		65 TB		-3 EC	78.2 9.4 H 4	3.38E+04
154M		65 TB		-3 IT	21.8 9.4 H 4	3.38E+04
154M		65 TB		-3 B-<	0.1 9.4 H 4	3.38E+04
154M		65 TB		-7 EC	98.2 22.7 H 5	8.17E+04
154M		65 TB		-7 IT	1.8 22.7 H 5	8.17E+04
	155	65 TB	3/2+	EC	100 5.32 D 6	4.60E+05
	156	65 TB		-3 EC	100 5.35 D 10	4.62E+05
156M		65 TB	(7-)	IT	100 24.4 H 10	8.78E+04
156M		65 TB	(0+)	IT<	100 5.3 H 2	1.91E+04
156M		65 TB	(0+)	EC>	0 5.3 H 2	1.91E+04
	157	65 TB	3/2+	EC	100 71 Y 7	2.24E+09
	158	65 TB		-3 EC	83.4 180 Y 11	5.68E+09
	158	65 TB		-3 B-	16.6 180 Y 11	5.68E+09
158M		65 TB		0 IT	100 10.70 S 17	1.07E+01
158M		65 TB		0 B-<	0.6 10.70 S 17	1.07E+01
158M		65 TB		0 EC<	0.01 10.70 S 17	1.07E+01
!158M		65 TB		-7 IT	100 0.40 MS 4	4.00E-04
	159	65 TB	3/2+		STABLE	0.00E+00
	160	65 TB		-3 B-	100 72.3 D 2	6.25E+06
	161	65 TB	3/2+	B-	100 6.906 D 19	5.97E+05
	162	65 TB		-1 B-	100 7.60 M 15	4.56E+02
	163	65 TB	3/2+	B-	100 19.5 M 3	1.17E+03
	164	65 TB	(5+)	B-	100 3.0 M 1	1.80E+02
	165	65 TB	(3/2+)	B-	100 2.11 M 10	1.27E+02
	166	65 TB		B-	100 21 S 6	2.10E+01
	167	65 TB	(3/2+)	B-	100 19.4 S 27	1.94E+01
	168	65 TB	(4-)	B-	100 8.2 S 13	8.20E+00
	169	65 TB		B-?	2 S AP	2.00E+00
	170	65 TB		B-?	3 S AP	3.00E+00
	171	65 TB		B-	0.5 S AP	5.00E-01
	138	66 DY	0+	EC?	200 MS SY	2.00E-01
	139	66 DY	(7/2+)	EC	0.6 S 2	6.00E-01
	139	66 DY	(7/2+)	EP	0.6 S 2	6.00E-01
	141	66 DY	(9/2-)	EC	100 0.9 S 2	9.00E-01
	141	66 DY	(9/2-)	EP	0.9 S 2	9.00E-01
	142	66 DY	0+	EC	100 2.3 S 3	2.30E+00
	142	66 DY	0+	EP	0.06 2.3 S 3	2.30E+00
	143	66 DY	(1/2+)	EC	100 5.6 S 10	5.60E+00
	143	66 DY	(1/2+)	EP	5.6 S 10	5.60E+00
143M		66 DY	(11/2-)	EC	100 3.0 S 3	3.00E+00
143M		66 DY	(11/2-)	EP	3.0 S 3	3.00E+00
	144	66 DY	0+	EC	100 9.1 S 4	9.10E+00
	144	66 DY	0+	EP	9.1 S 4	9.10E+00
	145	66 DY	(1/2+)	EC	100 10.5 S 15	1.05E+01
145M		66 DY	(11/2-)	EC	100 13.6 S 10	1.36E+01

	146	66 DY	0+	EC	100 29 S 3	2.90E+01
146M		66 DY	(10+)	IT	100 150 MS 20	1.50E-01
	147	66 DY	1/2+	EC	100 40 S 10	4.00E+01
	147	66 DY	1/2+	EP>	0 40 S 10	4.00E+01
147M		66 DY	11/2-	EC	65 55.7 S 7	5.57E+01
147M		66 DY	11/2-	IT	35 55.7 S 7	5.57E+01
	148	66 DY	0+	EC	100 3.3 M 2	1.98E+02
	149	66 DY	(7/2-)	EC	100 4.20 M 14	2.52E+02
149M		66 DY	(27/2-)	IT	99.3 0.490 S 15	4.90E-01
149M		66 DY	(27/2-)	EC	0.7 0.490 S 15	4.90E-01
	150	66 DY	0+	EC	64 7.17 M 5	4.30E+02
	150	66 DY	0+	A	36 7.17 M 5	4.30E+02
	151	66 DY	7/2(-)	EC	94.4 17.9 M 3	1.07E+03
	151	66 DY	7/2(-)	A	5.6 17.9 M 3	1.07E+03
	152	66 DY	0+	EC	99.9 2.38 H 2	8.57E+03
	152	66 DY	0+	A	0.1 2.38 H 2	8.57E+03
	153	66 DY	7/2(-)	EC	99.99 6.4 H 1	2.30E+04
	153	66 DY	7/2(-)	A	9.40E-03 6.4 H 1	2.30E+04
	154	66 DY	0+	A	100 3.0E+6 Y 15	9.47E+13
	155	66 DY	3/2-	EC	100 9.9 H 2	3.56E+04
!155M		66 DY	11/2-	IT	100 6 US 1	6.00E-06
	156	66 DY	0+		STABLE	0.00E+00
	157	66 DY	3/2-	EC	100 8.14 H 4	2.93E+04
!157M		66 DY	11/2-	IT	100 21.6 MS 16	2.16E-02
	158	66 DY	0+		STABLE	0.00E+00
	159	66 DY	3/2-	EC	100 144.4 D 2	1.25E+07
!159M		66 DY	11/2-	IT	100 122 US 3	1.22E-04
	160	66 DY	0+		STABLE	0.00E+00
	161	66 DY	5/2+		STABLE	0.00E+00
	162	66 DY	0+		STABLE	0.00E+00
	163	66 DY	5/2-	B-	100 STABLE	0.00E+00
	164	66 DY	0+		STABLE	0.00E+00
	165	66 DY	7/2+	B-	100 2.334 H 1	8.40E+03
165M		66 DY	1/2-	IT	97.76 1.257 M 6	7.54E+01
165M		66 DY	1/2-	B-	2.24 1.257 M 6	7.54E+01
	166	66 DY	0+	B-	100 81.6 H 1	2.94E+05
	167	66 DY	(1/2-)	B-	100 6.20 M 8	3.72E+02
	168	66 DY	0+	B-	100 8.7 M 3	5.22E+02
	169	66 DY	(5/2-)	B-	100 39 S 8	3.90E+01
	170	66 DY	0+	B-?	30 S AP	3.00E+01
	171	66 DY		B-	6 S AP	6.00E+00
	172	66 DY	0+	B-	3 S AP	3.00E+00
	173	66 DY		B-?	2 S AP	2.00E+00
	140	67 HO	(6-,0-,8+)	P	100 6 MS 3	6.00E-03
	141	67 HO	7/2-	P	100 4.1 MS 3	4.10E-03
!141M		67 HO	1/2+	P	100 6.6 US 8	6.60E-06
	142	67 HO		EC	0.3 S AP	3.00E-01
	142	67 HO		EP	0.3 S AP	3.00E-01
	143	67 HO		EC?	200 NS GT	2.00E-07
	143	67 HO		EP?	200 NS GT	2.00E-07
	144	67 HO		EC	0.7 S 1	7.00E-01
	144	67 HO		EP	0.7 S 1	7.00E-01

145	67 HO		EC	100 2.4 S 1	2.40E+00
146	67 HO	(10+)	EC	100 3.6 S 3	3.60E+00
147	67 HO	(11/2-)	EC	100 5.8 S 4	5.80E+00
148	67 HO	(1+)	EC	100 2.2 S 11	2.20E+00
148M	67 HO	(6)-	EC	100 9.59 S 15	9.59E+00
148M	67 HO	(6)-	EP	0.08 9.59 S 15	9.59E+00
!148M	67 HO	(10+)	IT	100 2.35 MS 4	2.35E-03
149	67 HO	(11/2-)	EC	100 21.1 S 2	2.11E+01
149M	67 HO	(1/2+)	EC	100 56 S 3	5.60E+01
150	67 HO		-2 EC	100 72 S 4	7.20E+01
150M	67 HO	(9+)	EC	100 23.3 S 3	2.33E+01
151	67 HO	(11/2-)	EC	78 35.2 S 1	3.52E+01
151	67 HO	(11/2-)	A	22 35.2 S 1	3.52E+01
151M	67 HO	(1/2+)	A	80 47.2 S 10	4.72E+01
151M	67 HO	(1/2+)	EC	20 47.2 S 10	4.72E+01
152	67 HO		-2 EC	88 161.8 S 3	1.62E+02
152	67 HO		-2 A	12 161.8 S 3	1.62E+02
152M	67 HO	9+	EC	89.2 50.0 S 4	5.00E+01
152M	67 HO	9+	A	10.8 50.0 S 4	5.00E+01
153	67 HO	11/2-	EC	99.95 2.01 M 3	1.21E+02
153	67 HO	11/2-	A	0.05 2.01 M 3	1.21E+02
153M	67 HO	1/2+	EC	99.82 9.3 M 5	5.58E+02
153M	67 HO	1/2+	A	0.18 9.3 M 5	5.58E+02
154	67 HO		-2 EC	99.98 11.76 M 19	7.06E+02
154	67 HO		-2 A	0.02 11.76 M 19	7.06E+02
154M	67 HO	8+	EC	100 3.10 M 14	1.86E+02
154M	67 HO	8+	A <	1.00E-03 3.10 M 14	1.86E+02
154M	67 HO	8+	IT?	3.10 M 14	1.86E+02
155	67 HO	5/2+	EC	100 48 M 1	2.88E+03
!155M	67 HO	11/2-	IT	100 0.88 MS 8	8.80E-04
156	67 HO		-4 EC	100 56 M 1	3.36E+03
156M	67 HO		-1 IT	100 9.5 S 15	9.50E+00
156M	67 HO	9+	EC	75 7.8 M 3	4.68E+02
156M	67 HO	9+	IT	25 7.8 M 3	4.68E+02
157	67 HO	7/2-	EC	100 12.6 M 2	7.56E+02
158	67 HO	5+	EC	100 11.3 M 4	6.78E+02
158M	67 HO		-2 IT>	81 28 M 2	1.68E+03
158M	67 HO		-2 EC<	19 28 M 2	1.68E+03
158M	67 HO	(9+)	EC#	93 21.3 M 23	1.28E+03
158M	67 HO	(9+)	IT&	7 21.3 M 23	1.28E+03
159	67 HO	7/2-	EC	100 33.05 M 11	1.98E+03
159M	67 HO	1/2+	IT	100 8.30 S 8	8.30E+00
160	67 HO	5+	EC	100 25.6 M 3	1.54E+03
160M	67 HO		-2 IT	73 5.02 H 5	1.81E+04
160M	67 HO		-2 EC	27 5.02 H 5	1.81E+04
160M	67 HO	(9+)	IT	100 3 S	3.00E+00
161	67 HO	7/2-	EC	100 2.48 H 5	8.93E+03
161M	67 HO	1/2+	IT	100 6.76 S 7	6.76E+00
162	67 HO	1+	EC	100 15.0 M 10	9.00E+02
162M	67 HO		-6 IT	62 67.0 M 7	4.02E+03
162M	67 HO		-6 EC	38 67.0 M 7	4.02E+03
163	67 HO	7/2-	EC	100 4570 Y 25	1.44E+11

163M	67 HO	1/2+	IT	100 1.09 S 3	1.09E+00
	164	67 HO	1+	60 29 M 1	1.74E+03
	164	67 HO	1+	40 29 M 1	1.74E+03
164M	67 HO		-6 IT	100 37.5 M +15-5	2.25E+03
	165	67 HO	7/2-	STABLE	0.00E+00
	166	67 HO	0 B-	100 26.83 H 2	9.66E+04
166M	67 HO	(7)-	B-	100 1.20E3 Y 18	3.79E+10
	167	67 HO	7/2-	100 3.003 H 18	1.08E+04
	168	67 HO	3+	100 2.99 M 7	1.79E+02
168M	67 HO	(6+)	IT#	99.5 132 S 4	1.32E+02
168M	67 HO	(6+)	B-&	0.5 132 S 4	1.32E+02
	169	67 HO	7/2-	100 4.72 M 10	2.83E+02
	170	67 HO	(6+)	100 2.76 M 5	1.66E+02
170M	67 HO	(1+)	B-	100 43 S 2	4.30E+01
	171	67 HO	(7/2-)	100 53 S 2	5.30E+01
	172	67 HO	B-	100 25 S 3	2.50E+01
	173	67 HO	B-?	10 S AP	1.00E+01
	174	67 HO	B-?	8 S AP	8.00E+00
	175	67 HO	B-?	5 S AP	5.00E+00
	143	68 ER	EC?	0.2 S SY	2.00E-01
	144	68 ER	0+	100 200 NS GE	2.00E-07
	145	68 ER	(11/2-)	100 0.9 S 3	9.00E-01
	145	68 ER	(11/2-)	0.9 S 3	9.00E-01
	146	68 ER	0+	100 1.7 S 6	1.70E+00
	146	68 ER	0+	100 1.7 S 6	1.70E+00
	147	68 ER	(11/2-)	100 2.5 S 2	2.50E+00
	147	68 ER	(11/2-)	0 2.5 S 2	2.50E+00
147M	68 ER	(1/2+)	EC	100 2.5 S AP	2.50E+00
147M	68 ER	(1/2+)	EP>	0 2.5 S AP	2.50E+00
	148	68 ER	0+	100 4.6 S 2	4.60E+00
	149	68 ER	(1/2+)	100 4 S 2	4.00E+00
	149	68 ER	(1/2+)	7 4 S 2	4.00E+00
149M	68 ER	(11/2-)	EC	96.5 8.9 S 2	8.90E+00
149M	68 ER	(11/2-)	IT	3.5 8.9 S 2	8.90E+00
149M	68 ER	(11/2-)	EP	0.18 8.9 S 2	8.90E+00
	150	68 ER	0+	100 18.5 S 7	1.85E+01
	151	68 ER	(7/2-)	100 23.5 S 13	2.35E+01
151M	68 ER	(27/2-)	IT	95.3 0.58 S 2	5.80E-01
151M	68 ER	(27/2-)	EC	4.7 0.58 S 2	5.80E-01
	152	68 ER	0+	90 10.3 S 1	1.03E+01
	152	68 ER	0+	10 10.3 S 1	1.03E+01
	153	68 ER	(7/2-)	53 37.1 S 2	3.71E+01
	153	68 ER	(7/2-)	47 37.1 S 2	3.71E+01
	154	68 ER	0+	99.53 3.73 M 9	2.24E+02
	154	68 ER	0+	0.47 3.73 M 9	2.24E+02
!154M	68 ER		-11 IT @	100 39 NS 4	3.90E-08
!154M	68 ER		-11 A @	0 39 NS 4	3.90E-08
	155	68 ER	7/2-	99.98 5.3 M 3	3.18E+02
	155	68 ER	7/2-	0.02 5.3 M 3	3.18E+02
	156	68 ER	0+	100 19.5 M 10	1.17E+03
	156	68 ER	0+	1.70E-05 19.5 M 10	1.17E+03
	157	68 ER	3/2-	100 18.65 M 10	1.12E+03

!157M	68 ER	(9/2+)	IT	100 76 MS 6	7.60E-02
158	68 ER	0+	EC	100 2.29 H 6	8.24E+03
159	68 ER	3/2-	EC	100 36 M 1	2.16E+03
160	68 ER	0+	EC	100 28.58 H 9	1.03E+05
161	68 ER	3/2-	EC	100 3.21 H 3	1.16E+04
!161M	68 ER	11/2-	IT	100 7.5 US 7	7.50E-06
162	68 ER	0+		STABLE	0.00E+00
163	68 ER	5/2-	EC	100 75.0 M 4	4.50E+03
164	68 ER	0+		STABLE	0.00E+00
165	68 ER	5/2-	EC	100 10.36 H 4	3.73E+04
166	68 ER	0+		STABLE	0.00E+00
167	68 ER	7/2+		STABLE	0.00E+00
167M	68 ER	1/2-	IT	100 2.269 S 6	2.27E+00
168	68 ER	0+		STABLE	0.00E+00
169	68 ER	1/2-	B-	100 9.392 D 18	8.11E+05
170	68 ER	0+		STABLE	0.00E+00
171	68 ER	5/2-	B-	100 7.516 H 2	2.71E+04
172	68 ER	0+	B-	100 49.3 H 3	1.77E+05
173	68 ER	(7/2-)	B-	100 1.4 M 1	8.40E+01
174	68 ER	0+	B-	100 3.2 M 2	1.92E+02
175	68 ER	(9/2+)	B-	100 1.2 M 3	7.20E+01
176	68 ER	0+	B-?	20 S AP	2.00E+01
177	68 ER		B-?	3 S AP	3.00E+00
145	69 TM	(11/2-)	P	100 3.1 US 3	3.10E-06
146	69 TM	(5-)	P	80 MS 10	8.00E-02
146	69 TM	(5-)	EC	80 MS 10	8.00E-02
146M	69 TM	(8+)	P	200 MS 10	2.00E-01
146M	69 TM	(8+)	EC	200 MS 10	2.00E-01
147	69 TM	11/2-	EC	85 0.58 S 3	5.80E-01
147	69 TM	11/2-	P	15 0.58 S 3	5.80E-01
!147M	69 TM	3/2+	P	100 0.36 MS 4	3.60E-04
148M	69 TM	(10+)	EC	100 0.7 S 2	7.00E-01
149	69 TM	(11/2-)	EC	100 0.9 S 2	9.00E-01
149	69 TM	(11/2-)	EP	0.2 0.9 S 2	9.00E-01
150	69 TM	(6-)	EC	100 2.2 S 2	2.20E+00
!150M	69 TM	(10+)	IT	100 5.2 MS 3	5.20E-03
151	69 TM	(11/2-)	EC	100 4.17 S 10	4.17E+00
151M	69 TM	(1/2+)	EC	100 6.6 S 14	6.60E+00
152	69 TM	(2-)	EC	100 8.0 S 10	8.00E+00
152M	69 TM	(9+)	EC	100 5.2 S 6	5.20E+00
!152M	69 TM	(17+)	IT	100 294 NS 12	2.94E-07
!152M	69 TM		IT&	100 42 NS 5	4.20E-08
153	69 TM	(11/2-)	A	91 1.48 S 1	1.48E+00
153	69 TM	(11/2-)	EC	9 1.48 S 1	1.48E+00
153M	69 TM	(1/2+)	A	92 2.5 S 2	2.50E+00
153M	69 TM	(1/2+)	EC	8 2.5 S 2	2.50E+00
154	69 TM	(2-)	A	54 8.1 S 3	8.10E+00
154	69 TM	(2-)	EC	46 8.1 S 3	8.10E+00
154M	69 TM	(9+)	A	58 3.30 S 7	3.30E+00
154M	69 TM	(9+)	EC	42 3.30 S 7	3.30E+00
154M	69 TM	(9+)	IT	3.30 S 7	3.30E+00
155	69 TM	11/2-	EC	99.11 21.6 S 2	2.16E+01

	155	69 TM	11/2-	A	0.89 21.6 S 2	2.16E+01
155M		69 TM	1/2+	EC>	98 45 S 3	4.50E+01
155M		69 TM	1/2+	A <	2 45 S 3	4.50E+01
	156	69 TM		-2 EC	99.94 83.8 S 18	8.38E+01
	156	69 TM		-2 A	0.06 83.8 S 18	8.38E+01
	157	69 TM	1/2+	EC	100 3.63 M 9	2.18E+02
	158	69 TM		-2 EC	100 3.98 M 6	2.39E+02
158M		69 TM	(5+)	IT?	20 S AP	2.00E+01
	159	69 TM	5/2+	EC	100 9.13 M 16	5.48E+02
	160	69 TM		-1 EC	100 9.4 M 3	5.64E+02
160M		69 TM		5 IT	85 74.5 S 15	7.45E+01
160M		69 TM		5 EC	15 74.5 S 15	7.45E+01
	161	69 TM	7/2+	EC	100 30.2 M 8	1.81E+03
	162	69 TM		-1 EC	100 21.70 M 19	1.30E+03
162M		69 TM	5+	IT	82 24.3 S 17	2.43E+01
162M		69 TM	5+	EC	18 24.3 S 17	2.43E+01
	163	69 TM	1/2+	EC	100 1.810 H 5	6.52E+03
	164	69 TM	1+	EC	100 2.0 M 1	1.20E+02
	164	69 TM	1+	EC	39 2.0 M 1	1.20E+02
164M		69 TM		-6 IT@	80 5.1 M 1	3.06E+02
164M		69 TM		-6 EC@	20 5.1 M 1	3.06E+02
	165	69 TM	1/2+	EC	100 30.06 H 3	1.08E+05
	166	69 TM	2+	EC	100 7.70 H 3	2.77E+04
	167	69 TM	1/2+	EC	100 9.25 D 2	7.99E+05
	168	69 TM	3+	EC	99.99 93.1 D 2	8.04E+06
	168	69 TM	3+	B-	0.01 93.1 D 2	8.04E+06
	169	69 TM	1/2+		STABLE	0.00E+00
	170	69 TM		-1 B-	99.87 128.6 D 3	1.11E+07
	170	69 TM		-1 EC	0.13 128.6 D 3	1.11E+07
	171	69 TM	1/2+	B-	100 1.92 Y 1	6.06E+07
	172	69 TM		-2 B-	100 63.6 H 2	2.29E+05
	173	69 TM	(1/2+)	B-	100 8.24 H 8	2.97E+04
	174	69 TM	(4)-	B-	100 5.4 M 1	3.24E+02
	175	69 TM	(1/2+)	B-	100 15.2 M 5	9.12E+02
	176	69 TM	(4+)	B-	100 1.9 M 1	1.14E+02
177M		69 TM	(7/2-)	B-&	100 90 S 6	9.00E+01
	178	69 TM		B-?	30 S AP	3.00E+01
	179	69 TM		B-?	20 S AP	2.00E+01
	148	70 YB	0+	EC?	0.25 S AP	2.50E-01
	149	70 YB	(1/2+,3/2+)	EC	100 0.7 S 2	7.00E-01
	149	70 YB	(1/2+,3/2+)	EP@	100 0.7 S 2	7.00E-01
	150	70 YB	0+	EC?	200 NS GT	2.00E-07
	151	70 YB	(1/2+)	EC	100 1.6 S 1	1.60E+00
	151	70 YB	(1/2+)	EP	1.6 S 1	1.60E+00
151M		70 YB	(11/2-)	EC@	100 1.6 S 1	1.60E+00
151M		70 YB	(11/2-)	EP	1.6 S 1	1.60E+00
151M		70 YB	(11/2-)	IT?	1.6 S 1	1.60E+00
	152	70 YB	0+	EC	100 3.04 S 6	3.04E+00
	152	70 YB	0+	EP	3.04 S 6	3.04E+00
!152M		70 YB	(10+)	IT	100 30 US 1	3.00E-05
	153	70 YB	7/2-	A	60 4.2 S 2	4.20E+00
	153	70 YB	7/2-	EC	40 4.2 S 2	4.20E+00

	154	70 YB	0+	A	92.6 0.409 S 2	4.09E-01
	154	70 YB	0+	EC	7.4 0.409 S 2	4.09E-01
	155	70 YB	(7/2-)	A	89 1.793 S 19	1.79E+00
	155	70 YB	(7/2-)	EC	11 1.793 S 19	1.79E+00
	156	70 YB	0+	EC	90 26.1 S 7	2.61E+01
	156	70 YB	0+	A	10 26.1 S 7	2.61E+01
	157	70 YB	7/2-	EC	99.5 38.6 S 10	3.86E+01
	157	70 YB	7/2-	A	0.5 38.6 S 10	3.86E+01
	158	70 YB	0+	EC	100 1.49 M 13	8.94E+01
	158	70 YB	0+	A @	2.10E-03 1.49 M 13	8.94E+01
	159	70 YB	5/2(-)	EC	100 1.67 M 9	1.00E+02
	160	70 YB	0+	EC	100 4.8 M 2	2.88E+02
	161	70 YB	3/2-	EC	100 4.2 M 2	2.52E+02
	162	70 YB	0+	EC	100 18.87 M 19	1.13E+03
	163	70 YB	3/2-	EC	100 11.05 M 35	6.63E+02
	164	70 YB	0+	EC	100 75.8 M 17	4.55E+03
	165	70 YB	5/2-	EC	100 9.9 M 3	5.94E+02
	166	70 YB	0+	EC	100 56.7 H 1	2.04E+05
	167	70 YB	5/2-	EC	100 17.5 M 2	1.05E+03
	168	70 YB	0+		STABLE	0.00E+00
	169	70 YB	7/2+	EC	100 32.018 D 5	2.77E+06
169M		70 YB	1/2-	IT	100 46 S 2	4.60E+01
	170	70 YB	0+		STABLE	0.00E+00
	171	70 YB	1/2-		STABLE	0.00E+00
!171M		70 YB	7/2+	IT	100 5.25 MS 24	5.25E-03
	172	70 YB	0+		STABLE	0.00E+00
	173	70 YB	5/2-		STABLE	0.00E+00
	174	70 YB	0+		STABLE	0.00E+00
!174M		70 YB	6+	IT	100 830 US 40	8.30E-04
	175	70 YB	(7/2-)	B-	100 4.185 D 1	3.62E+05
!175M		70 YB	1/2-	IT	100 68.2 MS 3	6.82E-02
	176	70 YB	0+	2B-	1.6E+17 Y GE	5.05E+24
176M		70 YB	(8)-	IT#	90 11.4 S 3	1.14E+01
176M		70 YB	(8)-	B-&	10 11.4 S 3	1.14E+01
	177	70 YB	(9/2+)	B-	100 1.911 H 3	6.88E+03
177M		70 YB	(1/2-)	IT	100 6.41 S 2	6.41E+00
	178	70 YB	0+	B-	100 74 M 3	4.44E+03
	179	70 YB	(1/2-)	B-	100 8.0 M 4	4.80E+02
	180	70 YB	0+	B-	100 2.4 M 5	1.44E+02
	181	70 YB		B-?	1 M SY	6.00E+01
	150	71 LU	(2+)	P	68 43 MS 5	4.30E-02
	150	71 LU	(2+)	EC	32 43 MS 5	4.30E-02
!150M		71 LU	(1-,2-)	P	100 39 US 7	3.90E-05
	151	71 LU	11/2-	P	63.4 80.6 MS 19	8.06E-02
	151	71 LU	11/2-	EC	36.6 80.6 MS 19	8.06E-02
!151M		71 LU	3/2+	P	100 16 US 1	1.60E-05
	152	71 LU	(5-,6-)	EC	100 0.7 S 1	7.00E-01
	152	71 LU	(5-,6-)	EP	15 0.7 S 1	7.00E-01
	153	71 LU	11/2-	A @	70 0.9 S 2	9.00E-01
	153	71 LU	11/2-	EC@	30 0.9 S 2	9.00E-01
	154	71 LU	(2-)	EC?	2 S AP	2.00E+00
154M		71 LU	(9+)	EC@	100 1.12 S 8	1.12E+00

	155	71 LU	11/2-	A	90 68 MS 1	6.80E-02
	155	71 LU	11/2-	EC	10 68 MS 1	6.80E-02
155M		71 LU	1/2+	A	76 138 MS 8	1.38E-01
155M		71 LU	1/2+	EC	24 138 MS 8	1.38E-01
!155M		71 LU	(25/2-)	A @	100 2.69 MS 3	2.69E-03
	156	71 LU	(2)-	A @	95 494 MS 12	4.94E-01
	156	71 LU	(2)-	EC@	5 494 MS 12	4.94E-01
156M		71 LU	9+	A	100 198 MS 2	1.98E-01
	157	71 LU	(1/2+,3/2+)	A >	0 6.8 S 18	6.80E+00
157M		71 LU	(11/2-)	EC	94 4.79 S 12	4.79E+00
157M		71 LU	(11/2-)	A	6 4.79 S 12	4.79E+00
	158	71 LU		EC	99.09 10.6 S 3	1.06E+01
	158	71 LU		A	0.91 10.6 S 3	1.06E+01
	159	71 LU		EC	100 12.1 S 10	1.21E+01
	159	71 LU		A	0.1 12.1 S 10	1.21E+01
	160	71 LU		EC	100 36.1 S 3	3.61E+01
	160	71 LU		A &	1.00E-04 36.1 S 3	3.61E+01
160M		71 LU		EC&	100 40 S 1	4.00E+01
160M		71 LU		A	40 S 1	4.00E+01
	161	71 LU	1/2+	EC	100 77 S 2	7.70E+01
161M		71 LU	(9/2-)	IT	100 7.3 MS 4	7.30E-03
	162	71 LU	(1-)	EC&	100 1.37 M 2	8.22E+01
162M		71 LU	(4-)	EC&	100 1.5 M	9.00E+01
162M		71 LU		EC&	100 1.9 M	1.14E+02
	163	71 LU	1/2(+)	EC	100 3.97 M 13	2.38E+02
	164	71 LU		1 EC	100 3.14 M 3	1.88E+02
	165	71 LU	1/2+	EC	100 10.74 M 10	6.44E+02
	166	71 LU	(6-)	EC	100 2.65 M 10	1.59E+02
166M		71 LU	(3-)	EC	58 1.41 M 10	8.46E+01
166M		71 LU	(3-)	IT	42 1.41 M 10	8.46E+01
166M		71 LU	(0-)	EC>	80 2.12 M 10	1.27E+02
166M		71 LU	(0-)	IT<	20 2.12 M 10	1.27E+02
	167	71 LU	7/2+	EC	100 51.5 M 10	3.09E+03
167M		71 LU	1/2+	EC	1 M GE	6.00E+01
167M		71 LU	1/2+	IT	1 M GE	6.00E+01
	168	71 LU	(6-)	EC	100 5.5 M 1	3.30E+02
168M		71 LU	3+	EC>	95 6.7 M 4	4.02E+02
168M		71 LU	3+	IT<	5 6.7 M 4	4.02E+02
	169	71 LU	7/2+	EC	100 34.06 H 5	1.23E+05
169M		71 LU	1/2-	IT	100 160 S 10	1.60E+02
	170	71 LU	0+	EC	100 2.012 D 20	1.74E+05
170M		71 LU	(4-)	IT	100 0.67 S 10	6.70E-01
	171	71 LU	7/2+	EC	100 8.24 D 3	7.12E+05
171M		71 LU	1/2-	IT	100 79 S 2	7.90E+01
	172	71 LU		-4 EC	100 6.70 D 3	5.79E+05
172M		71 LU		-1 IT	100 3.7 M 5	2.22E+02
!172M		71 LU	(1)+	IT	100 440 US 12	4.40E-04
	173	71 LU	7/2+	EC	100 1.37 Y 1	4.32E+07
	174	71 LU	(1)-	EC	100 3.31 Y 5	1.04E+08
174M		71 LU	(6)-	IT	99.38 142 D 2	1.23E+07
174M		71 LU	(6)-	EC	0.62 142 D 2	1.23E+07
	175	71 LU	7/2+		STABLE	0.00E+00

	176	71 LU		-7 B-	100 3.76E+10 Y 7	1.19E+18
176M		71 LU		-1 B-	99.91 3.664 H 19	1.32E+04
176M		71 LU		-1 EC	0.1 3.664 H 19	1.32E+04
	177	71 LU	7/2+	B-	100 6.6475 D 20	5.74E+05
177M		71 LU	23/2-	B-	78.6 160.44 D 6	1.39E+07
177M		71 LU	23/2-	IT	21.4 160.44 D 6	1.39E+07
177M		71 LU	(39/2-)	B-&	100 6 M +3-2	3.60E+02
177M		71 LU	(39/2-)	IT	6 M +3-2	3.60E+02
	178	71 LU	1(+)	B-	100 28.4 M 2	1.70E+03
178M		71 LU	(9-)	B-	100 23.1 M 3	1.39E+03
	179	71 LU	7/2(+)	B-	100 4.59 H 6	1.65E+04
!179M		71 LU	1/2(+)	IT	100 3.1 MS 9	3.10E-03
	180	71 LU	5+	B-	100 5.7 M 1	3.42E+02
!180M		71 LU	(9-)	IT	1 MS GE	1.00E-03
	181	71 LU	(7/2+)	B-	100 3.5 M 3	2.10E+02
	182	71 LU	(0,1,2)	B-	100 2.0 M 2	1.20E+02
	183	71 LU	(7/2+)	B-	100 58 S 4	5.80E+01
	184	71 LU	(3+)	B-	100 20 S 3	2.00E+01
	153	72 HF		EC?	60 NS GT	6.00E-08
	154	72 HF	0+	EC@	100 2 S 1	2.00E+00
	154	72 HF	0+	A @	0 2 S 1	2.00E+00
!154M		72 HF	(10+)	IT	100 9 US 4	9.00E-06
	155	72 HF		EC	100 0.89 S 12	8.90E-01
	156	72 HF	0+	A	100 23 MS 1	2.30E-02
!156M		72 HF	8+	A	100 0.52 MS 1	5.20E-04
	157	72 HF	7/2-	A	86 110 MS 6	1.10E-01
	157	72 HF	7/2-	EC	14 110 MS 6	1.10E-01
	158	72 HF	0+	EC	55.7 2.85 S 7	2.85E+00
	158	72 HF	0+	A	44.3 2.85 S 7	2.85E+00
	159	72 HF	7/2-	EC	65 5.6 S 4	5.60E+00
	159	72 HF	7/2-	A	35 5.6 S 4	5.60E+00
	160	72 HF	0+	EC	99.3 13.6 S 2	1.36E+01
	160	72 HF	0+	A	0.7 13.6 S 2	1.36E+01
	161	72 HF		EC>	99.87 18.2 S 5	1.82E+01
	161	72 HF		A <	0.13 18.2 S 5	1.82E+01
	162	72 HF	0+	EC	99.99 39.4 S 9	3.94E+01
	162	72 HF	0+	A	8.00E-03 39.4 S 9	3.94E+01
	163	72 HF		EC	100 40.0 S 6	4.00E+01
	163	72 HF		A <	1.00E-04 40.0 S 6	4.00E+01
	164	72 HF	0+	EC	100 111 S 8	1.11E+02
	165	72 HF	(5/2-)	EC	100 76 S 4	7.60E+01
	166	72 HF	0+	EC	100 6.77 M 30	4.06E+02
	167	72 HF	(5/2)-	EC	100 2.05 M 5	1.23E+02
	168	72 HF	0+	EC	100 25.95 M 20	1.56E+03
	169	72 HF	(5/2)-	EC	100 3.24 M 4	1.94E+02
	170	72 HF	0+	EC	100 16.01 H 13	5.76E+04
	171	72 HF	7/2(+)	EC	100 12.1 H 4	4.36E+04
171M		72 HF	1/2(-)	IT&	100 29.5 S 9	2.95E+01
171M		72 HF	1/2(-)	EC	29.5 S 9	2.95E+01
	172	72 HF	0+	EC	100 1.87 Y 3	5.90E+07
	173	72 HF	1/2-	EC	100 23.6 H 1	8.50E+04
	174	72 HF	0+	A	100 2.0E+15 Y 4	6.31E+22

	175	72 HF	5/2(-)	EC	100 70 D 2	6.05E+06
	176	72 HF	0+		STABLE	0.00E+00
	177	72 HF	7/2-		STABLE	0.00E+00
177M		72 HF	23/2+	IT	100 1.09 S 5	1.09E+00
177M		72 HF	37/2-	IT	100 51.4 M 5	3.08E+03
	178	72 HF	0+		STABLE	0.00E+00
178M		72 HF		-8 IT	100 4.0 S 2	4.00E+00
178M		72 HF	16+	IT	100 31 Y 1	9.78E+08
	179	72 HF	9/2+		STABLE	0.00E+00
179M		72 HF	1/2-	IT	100 18.67 S 4	1.87E+01
179M		72 HF	25/2-	IT	100 25.05 D 25	2.16E+06
	180	72 HF	0+		STABLE	0.00E+00
180M		72 HF		-8 IT	99.7 5.47 H 4	1.97E+04
180M		72 HF		-8 B-	0.3 5.47 H 4	1.97E+04
	181	72 HF	1/2-	B-	100 42.39 D 6	3.66E+06
!181M		72 HF	(25/2-)	IT	100 1.5 MS 5	1.50E-03
	182	72 HF	0+	B-	100 8.90E+6 Y 9	2.81E+14
182M		72 HF		-8 B-	58 61.5 M 15	3.69E+03
182M		72 HF		-8 IT	42 61.5 M 15	3.69E+03
	183	72 HF	(3/2-)	B-	100 1.067 H 17	3.84E+03
	184	72 HF	0+	B-	100 4.12 H 5	1.48E+04
184M		72 HF		-8 B-	100 48 S 10	4.80E+01
	185	72 HF		B-	100 3.5 M 6	2.10E+02
	186	72 HF	0+	B-	100 2.6 M 12	1.56E+02
	187	72 HF		B-?	30 S SY	3.00E+01
	188	72 HF	0+	B-	20 S SY	2.00E+01
155M		73 TA	11/2-	P	100 12 US +4-3	1.20E-05
	156	73 TA	(2-)	P @	100 144 MS 24	1.44E-01
	156	73 TA	(2-)	EC	144 MS 24	1.44E-01
156M		73 TA	9+	EC	95.8 0.36 S 4	3.60E-01
156M		73 TA	9+	P	4.2 0.36 S 4	3.60E-01
	157	73 TA	1/2+	A	96.6 10.1 MS 4	1.01E-02
	157	73 TA	1/2+	P	3.4 10.1 MS 4	1.01E-02
157M		73 TA	11/2-	A	100 4.3 MS 1	4.30E-03
157M		73 TA	(25/2-)	A	100 1.7 MS 1	1.70E-03
	158	73 TA	(2-)	A @	91 55 MS 15	5.50E-02
	158	73 TA	(2-)	EC@	9 55 MS 15	5.50E-02
158M		73 TA	(9+)	A	95 36.7 MS 15	3.67E-02
158M		73 TA	(9+)	EC	5 36.7 MS 15	3.67E-02
	159	73 TA	(1/2-)	EC	66 0.83 S 18	8.30E-01
	159	73 TA	(1/2-)	A	34 0.83 S 18	8.30E-01
159M		73 TA	(11/2-)	A	55 515 MS 20	5.15E-01
159M		73 TA	(11/2-)	EC	45 515 MS 20	5.15E-01
	160	73 TA		EC	66 1.55 S 4	1.55E+00
	160	73 TA		A	34 1.55 S 4	1.55E+00
160M		73 TA		A ?	1.7 S 2	1.70E+00
	161	73 TA		EC	95 2.89 S 12	2.89E+00
	161	73 TA		A ?	2.89 S 12	2.89E+00
	162	73 TA		EC	99.93 3.57 S 12	3.57E+00
	162	73 TA		A	0.07 3.57 S 12	3.57E+00
	163	73 TA		EC@	99.8 10.6 S 18	1.06E+01
	163	73 TA		A @	0.2 10.6 S 18	1.06E+01

164	73 TA	(3+)	EC	100 14.2 S 3	1.42E+01
165	73 TA		EC	100 31.0 S 15	3.10E+01
166	73 TA	(2)+	EC	100 34.4 S 5	3.44E+01
167	73 TA	(3/2+)	EC	100 80 S 4	8.00E+01
168	73 TA	(2-,3+)	EC	100 2.0 M 1	1.20E+02
169	73 TA	(5/2+)	EC	100 4.9 M 4	2.94E+02
170	73 TA	(3+)	EC	100 6.76 M 6	4.06E+02
171	73 TA	(5/2-)	EC	100 23.3 M 3	1.40E+03
172	73 TA	(3+)	EC	100 36.8 M 3	2.21E+03
173	73 TA	5/2-	EC	100 3.14 H 13	1.13E+04
174	73 TA	3+	EC	100 1.14 H 8	4.10E+03
175	73 TA	7/2+	EC	100 10.5 H 2	3.78E+04
176	73 TA	(1)-	EC	100 8.09 H 5	2.91E+04
!176M	73 TA	(+)	IT	100 1.1 MS 1	1.10E-03
!176M	73 TA	(20-)	IT	100 0.97 MS 7	9.70E-04
177	73 TA	7/2+	EC	100 56.56 H 6	2.04E+05
178	73 TA	1+	EC	100 9.31 M 3	5.59E+02
178	73 TA	(7)-	EC	100 2.36 H 8	8.50E+03
!178M	73 TA	(15-)	IT	60 MS 5	6.00E-02
179	73 TA	7/2+	EC	100 1.82 Y 3	5.74E+07
!179M	73 TA	(25/2+)	IT	9.0 MS 2	9.00E-03
!179M	73 TA	(37/2+)	IT	54.1 MS 17	5.41E-02
180	73 TA	1+	EC	86 8.154 H 6	2.94E+04
180	73 TA	1+	B-	14 8.154 H 6	2.94E+04
180M	73 TA		-9 2EC?	1.2E+15 Y GT	3.79E+22
181	73 TA	7/2+		STABLE	0.00E+00
182	73 TA		-3 B-	100 114.43 D 3	9.89E+06
182M	73 TA	5+	IT	100 283 MS 3	2.83E-01
182M	73 TA		-10 IT	100 15.84 M 10	9.50E+02
183	73 TA	7/2+	B-	100 5.1 D 1	4.41E+05
184	73 TA	(5-)	B-	100 8.7 H 1	3.13E+04
185	73 TA	(7/2+)	B-	100 49.4 M 15	2.96E+03
!185M	73 TA	(21/2)	IT	1 MS GT	1.00E-03
186	73 TA	(2-,3-)	B-	100 10.5 M 3	6.30E+02
186M	73 TA		B-	100 1.54 M 5	9.24E+01
187	73 TA		B-?	2 M AP	1.20E+02
188	73 TA		B-	20 S AP	2.00E+01
189	73 TA	(7/2+)	B-?	3 S SY	3.00E+00
190	73 TA		B-?	0.3 S SY	3.00E-01
158	74 W	0+	A	100 1.25 MS 21	1.25E-03
!158M	74 W	(8+)	A	0.143 MS 19	1.43E-04
!158M	74 W	(8+)	IT	0.143 MS 19	1.43E-04
159	74 W		A @	99.9 7.3 MS 27	7.30E-03
159	74 W		EC@	0.1 7.3 MS 27	7.30E-03
160	74 W	0+	A	87 91 MS 5	9.10E-02
161	74 W		A	73 409 MS 18	4.09E-01
162	74 W	0+	EC	54.8 1.36 S 7	1.36E+00
162	74 W	0+	A	45.2 1.36 S 7	1.36E+00
163	74 W		EC	87 2.8 S 2	2.80E+00
163	74 W		A	13 2.8 S 2	2.80E+00
164	74 W	0+	EC	96.2 6.3 S 2	6.30E+00
164	74 W	0+	A	3.8 6.3 S 2	6.30E+00

	165	74 W	(5/2-)	EC	100 5.1 S 5	5.10E+00
	165	74 W	(5/2-)	A <	0.2 5.1 S 5	5.10E+00
	166	74 W	0+	EC	99.97 19.2 S 6	1.92E+01
	166	74 W	0+	A	0.04 19.2 S 6	1.92E+01
	167	74 W	(+)	EC	99.96 19.9 S 5	1.99E+01
	167	74 W	(+)	A	0.04 19.9 S 5	1.99E+01
	168	74 W	0+	EC@	100 53 S 2	5.30E+01
	168	74 W	0+	A	3.20E-03 53 S 2	5.30E+01
	169	74 W	(5/2-)	EC	100 74 S 6	7.40E+01
	170	74 W	0+	EC	100 2.42 M 4	1.45E+02
	171	74 W	(5/2-)	EC	100 2.38 M 4	1.43E+02
	172	74 W	0+	EC	100 6.6 M 9	3.96E+02
	173	74 W	5/2-	EC	100 7.6 M 2	4.56E+02
	174	74 W	0+	EC	100 33.2 M 21	1.99E+03
	175	74 W	(1/2-)	EC	100 35.2 M 6	2.11E+03
	176	74 W	0+	EC	100 2.5 H 1	9.00E+03
	177	74 W	1/2-	EC	100 132 M 2	7.92E+03
	178	74 W	0+	EC	100 21.6 D 3	1.87E+06
	179	74 W	(7/2-)	EC	100 37.05 M 16	2.22E+03
179M		74 W	(1/2-)	IT	99.72 6.40 M 7	3.84E+02
179M		74 W	(1/2-)	EC	0.28 6.40 M 7	3.84E+02
	180	74 W	0+	A	100 1.8E+18 Y 2	5.68E+25
	181	74 W	9/2+	EC	100 121.2 D 2	1.05E+07
	182	74 W	0+	A	8.3E+18 Y GT	2.62E+26
	183	74 W	1/2-	A	1.3E+19 Y GT	4.10E+26
183M		74 W	11/2+	IT	100 5.2 S 3	5.20E+00
	184	74 W	0+	A	2.9E+19 Y GT	9.15E+26
	185	74 W	3/2-	B-	100 75.1 D 3	6.49E+06
185M		74 W	11/2+	IT	100 1.67 M 3	1.00E+02
	186	74 W	0+	A	2.7E+19 Y GT	8.52E+26
!186M		74 W	(16+)	IT	3 MS GT	3.00E-03
	187	74 W	3/2-	B-	100 23.72 H 6	8.54E+04
	188	74 W	0+	B-	100 69.78 D 5	6.03E+06
	189	74 W	(3/2-)	B-	100 10.7 M 5	6.42E+02
	190	74 W	0+	B-	100 30.0 M 15	1.80E+03
!190M		74 W	(10-)	IT	100 3.1 MS LE	3.10E-03
	191	74 W		B-?	300 NS GT	3.00E-07
	192	74 W	0+	B-?	300 NS GT	3.00E-07
	160	75 RE	(2-)	P	91 0.82 MS +15-9	8.20E-04
	160	75 RE	(2-)	A	9 0.82 MS +15-9	8.20E-04
	161	75 RE	1/2+	P	100 0.37 MS 4	3.70E-04
161M		75 RE	11/2-	A	95.2 15.6 MS 9	1.56E-02
161M		75 RE	11/2-	P	4.8 15.6 MS 9	1.56E-02
	162	75 RE	(2-)	A	94 107 MS 13	1.07E-01
	162	75 RE	(2-)	EC	6 107 MS 13	1.07E-01
162M		75 RE	(9+)	A	91 77 MS 9	7.70E-02
162M		75 RE	(9+)	EC	9 77 MS 9	7.70E-02
	163	75 RE	(1/2+)	EC	68 390 MS 72	3.90E-01
	163	75 RE	(1/2+)	A	32 390 MS 72	3.90E-01
163M		75 RE	(11/2-)	A	66 214 MS 5	2.14E-01
163M		75 RE	(11/2-)	EC	34 214 MS 5	2.14E-01
	164	75 RE		A @	58 0.53 S 23	5.30E-01

	164	75 RE		EC@	42 0.53 S 23	5.30E-01
	165	75 RE	(1/2+)	EC	1 S AP	1.00E+00
	165	75 RE	(1/2+)	A	1 S AP	1.00E+00
165M		75 RE	(11/2-)	EC	87 2.1 S 3	2.10E+00
165M		75 RE	(11/2-)	A	13 2.1 S 3	2.10E+00
	166	75 RE		A #	8 2.8 S 3	2.80E+00
	167	75 RE	(9/2-)	EC@	99 5.9 S 3	5.90E+00
	167	75 RE	(9/2-)	A @	1 5.9 S 3	5.90E+00
167M		75 RE		A @	100 3.4 S 4	3.40E+00
	168	75 RE	(5+,6+,7+)	EC@	100 4.4 S 1	4.40E+00
	168	75 RE	(5+,6+,7+)	A @	5.00E-03 4.4 S 1	4.40E+00
	169	75 RE	(9/2-)	EC	100 8.1 S 5	8.10E+00
	169	75 RE	(9/2-)	A <	0.01 8.1 S 5	8.10E+00
169M		75 RE		A @	0.2 15.1 S 15	1.51E+01
	170	75 RE	(5+)	EC	100 9.2 S 2	9.20E+00
	171	75 RE	(9/2-)	EC	100 15.2 S 4	1.52E+01
172M		75 RE		-5 EC	100 15 S 3	1.50E+01
172M		75 RE		-2 EC	100 55 S 5	5.50E+01
	173	75 RE	(5/2-)	EC	100 1.98 M 26	1.19E+02
	174	75 RE		EC	100 2.40 M 4	1.44E+02
	175	75 RE	(5/2-)	EC	100 5.89 M 5	3.53E+02
	176	75 RE	3+	EC	100 5.3 M 3	3.18E+02
	177	75 RE	5/2-	EC	100 14 M 1	8.40E+02
	178	75 RE	(3+)	EC	100 13.2 M 2	7.92E+02
	179	75 RE	(5/2)+	EC	100 19.5 M 1	1.17E+03
	180	75 RE	(1)-	EC	100 2.44 M 6	1.46E+02
	181	75 RE	5/2+	EC	100 19.9 H 7	7.16E+04
	182	75 RE	7+	EC	100 64.0 H 5	2.30E+05
182M		75 RE	2+	EC	100 12.7 H 2	4.57E+04
	183	75 RE	5/2+	EC	100 70.0 D 14	6.05E+06
!183M		75 RE	(25/2)+	IT	100 1.04 MS 4	1.04E-03
	184	75 RE	3(-)	EC	100 38.0 D 5	3.28E+06
184M		75 RE	8(+)	IT	75.4 169 D 8	1.46E+07
184M		75 RE	8(+)	EC	24.6 169 D 8	1.46E+07
	185	75 RE	5/2+		STABLE	0.00E+00
	186	75 RE		-1 B-	92.53 3.7186 D 5	3.21E+05
	186	75 RE		-1 EC	7.47 3.7186 D 5	3.21E+05
186M		75 RE	(8+)	IT	100 2.0E+5 Y	6.31E+12
	187	75 RE	5/2+	B-	100 4.12E+10 Y 11	1.30E+18
	187	75 RE	5/2+	A <	1.00E-04 4.12E+10 Y 11	1.30E+18
	188	75 RE		-1 B-	100 17.003 H 3	6.12E+04
188M		75 RE	(6)-	IT	100 18.59 M 4	1.12E+03
	189	75 RE	5/2+	B-	100 24.3 H 4	8.75E+04
	190	75 RE	(2)-	B-	100 3.1 M 3	1.86E+02
190M		75 RE	(6-)	B-	54.4 3.2 H 2	1.15E+04
190M		75 RE	(6-)	IT	45.6 3.2 H 2	1.15E+04
	191	75 RE	(3/2+,1/2+)	B-	100 9.8 M 5	5.88E+02
	192	75 RE		B-	100 16 S 1	1.60E+01
	193	75 RE		B-?	30 S SY	3.00E+01
	194	75 RE		B-	300 NS GT	3.00E-07
	162	76 OS	0+	A	100 1.9 MS 2	1.90E-03
	163	76 OS		A @	100 5.5 MS 6	5.50E-03

163	76 OS		EC	5.5 MS 6	5.50E-03
164	76 OS	0+	A	98 21 MS 1	2.10E-02
164	76 OS	0+	EC	2 21 MS 1	2.10E-02
165	76 OS	(7/2-)	A >	60 71 MS 3	7.10E-02
165	76 OS	(7/2-)	EC <	40 71 MS 3	7.10E-02
166	76 OS	0+	A	72 181 MS 38	1.81E-01
166	76 OS	0+	EC	18 181 MS 38	1.81E-01
167	76 OS		A	57 0.81 S 6	8.10E-01
167	76 OS		EC	43 0.81 S 6	8.10E-01
168	76 OS	0+	A	40 2.1 S 1	2.10E+00
168	76 OS	0+	EC	2.1 S 1	2.10E+00
169	76 OS		EC	88.8 3.40 S 9	3.40E+00
169	76 OS		A	11.2 3.40 S 9	3.40E+00
170	76 OS	0+	EC	91.4 7.46 S 23	7.46E+00
170	76 OS	0+	A	8.6 7.46 S 23	7.46E+00
171	76 OS	(5/2-)	EC	98.2 8.3 S 2	8.30E+00
171	76 OS	(5/2-)	A	1.8 8.3 S 2	8.30E+00
172	76 OS	0+	A	1.1 19.2 S 5	1.92E+01
172	76 OS	0+	EC	19.2 S 5	1.92E+01
173	76 OS	(5/2-)	A	0.4 22.4 S 9	2.24E+01
173	76 OS	(5/2-)	EC	22.4 S 9	2.24E+01
174	76 OS	0+	EC	99.98 44 S 4	4.40E+01
174	76 OS	0+	A	0.02 44 S 4	4.40E+01
175	76 OS	(5/2-)	EC	100 1.4 M 1	8.40E+01
176	76 OS	0+	EC	100 3.6 M 5	2.16E+02
177	76 OS	1/2-	EC	100 3.0 M 2	1.80E+02
178	76 OS	0+	EC	100 5.0 M 4	3.00E+02
179	76 OS	(1/2-)	EC	100 6.5 M 3	3.90E+02
180	76 OS	0+	EC	100 21.5 M 4	1.29E+03
181	76 OS	1/2-	EC	100 105 M 3	6.30E+03
181M	76 OS	7/2-	EC@	100 2.7 M 1	1.62E+02
181M	76 OS	7/2-	IT&	3 2.7 M 1	1.62E+02
182	76 OS	0+	EC	100 22.10 H 25	7.96E+04
183	76 OS	9/2+	EC	100 13.0 H 5	4.68E+04
183M	76 OS	1/2-	EC	85 9.9 H 3	3.56E+04
183M	76 OS	1/2-	IT	15 9.9 H 3	3.56E+04
184	76 OS	0+	A	5.6E+13 Y GT	1.77E+21
185	76 OS	1/2-	EC	100 93.6 D 5	8.09E+06
186	76 OS	0+	A	100 2.0E+15 Y 11	6.31E+22
187	76 OS	1/2-		STABLE	0.00E+00
188	76 OS	0+		STABLE	0.00E+00
189	76 OS	3/2-		STABLE	0.00E+00
189M	76 OS	9/2-	IT	100 5.81 H 6	2.09E+04
190	76 OS	0+		STABLE	0.00E+00
190M	76 OS	(10)-	IT	100 9.9 M 1	5.94E+02
191	76 OS	9/2-	B-	100 15.4 D 1	1.33E+06
191M	76 OS	3/2-	IT	100 13.10 H 5	4.72E+04
192	76 OS	0+		STABLE	0.00E+00
192M	76 OS	(10-)	IT >	87 5.9 S 1	5.90E+00
192M	76 OS	(10-)	B <	13 5.9 S 1	5.90E+00
193	76 OS	3/2-	B-	100 30.11 H 1	1.08E+05
194	76 OS	0+	B-	100 6.0 Y 2	1.89E+08

	195	76 OS		B-?	9 M AP	5.40E+02
	196	76 OS	0+	B-	100 34.9 M 2	2.09E+03
	197	76 OS		B-	100 2.8 m 6	0.00E+00
	164	77 IR	(9+)	P	100 0.11 MS +6-3	1.10E-04
!164M		77 IR		P	100 58 US +46-18	5.80E-05
	165	77 IR	(1/2+)	P ?	1 US LT	1.00E-06
	165	77 IR	(1/2+)	A ?	1 US LT	1.00E-06
!165M		77 IR	11/2-	P	87 0.30 MS 6	3.00E-04
!165M		77 IR	11/2-	A	13 0.30 MS 6	3.00E-04
	166	77 IR	(2-)	A	93.1 10.5 MS 22	1.05E-02
	166	77 IR	(2-)	P	6.9 10.5 MS 22	1.05E-02
166M		77 IR	(9+)	A	98.2 15.1 MS 9	1.51E-02
166M		77 IR	(9+)	P	1.8 15.1 MS 9	1.51E-02
	167	77 IR	1/2+	A	48 35.2 MS 20	3.52E-02
	167	77 IR	1/2+	P	32 35.2 MS 20	3.52E-02
	167	77 IR	1/2+	EC	20 35.2 MS 20	3.52E-02
167M		77 IR	11/2-	A	80 25.7 MS 8	2.57E-02
167M		77 IR	11/2-	EC	20 25.7 MS 8	2.57E-02
167M		77 IR	11/2-	P	0.4 25.7 MS 8	2.57E-02
	168	77 IR		A	82 0.161 MS 21	1.61E-04
	169	77 IR	(1/2+)	A	50 0.64 S +46-24	6.40E-01
	169	77 IR	(1/2+)	EC	0.64 S +46-24	6.40E-01
	169	77 IR	(1/2+)	P	0.64 S +46-24	6.40E-01
169M		77 IR	(11/2-)	A	81 0.308 S 22	3.08E-01
	170	77 IR		EC	94.8 0.87 S +18-12	8.70E-01
	170	77 IR		A	5.2 0.87 S +18-12	8.70E-01
170M		77 IR		EC&	64 0.44 S 6	4.40E-01
170M		77 IR		IT&	64 0.44 S 6	4.40E-01
170M		77 IR		A	36 0.44 S 6	4.40E-01
	171	77 IR	(1/2+)	EC	3.2 S +13-7	3.20E+00
	171	77 IR	(1/2+)	A >	0 3.2 S +13-7	3.20E+00
	171	77 IR	(1/2+)	P	3.2 S +13-7	3.20E+00
171M		77 IR	(11/2-)	A	58 1.40 S 10	1.40E+00
171M		77 IR	(11/2-)	EC&	42 1.40 S 10	1.40E+00
171M		77 IR	(11/2-)	P &	42 1.40 S 10	1.40E+00
	172	77 IR	(3+)	EC	98 4.4 S 3	4.40E+00
	172	77 IR	(3+)	A @	2 4.4 S 3	4.40E+00
172M		77 IR	(7+)	EC	77 2.0 S 1	2.00E+00
172M		77 IR	(7+)	A	23 2.0 S 1	2.00E+00
173M		77 IR	(11/2-)	A	7 2.4 S 9	2.40E+00
173M		77 IR	(11/2-)	EC	2.4 S 9	2.40E+00
173M		77 IR	(3/2+,5/2	+) EC>	93 9.0 S 8	9.00E+00
173M		77 IR	(3/2+,5/2	+) A <	7 9.0 S 8	9.00E+00
	174	77 IR	(3+)	EC	99.5 7.9 S 6	7.90E+00
	174	77 IR	(3+)	A	0.5 7.9 S 6	7.90E+00
174M		77 IR	(7+)	EC	97.5 4.9 S 3	4.90E+00
174M		77 IR	(7+)	A	2.5 4.9 S 3	4.90E+00
	175	77 IR	(5/2-)	EC	99.15 9 S 2	9.00E+00
	175	77 IR	(5/2-)	A	0.85 9 S 2	9.00E+00
	176	77 IR		EC	96.9 8.3 S 6	8.30E+00
	176	77 IR		A	3.1 8.3 S 6	8.30E+00
	177	77 IR	5/2-	EC	99.94 30 S 2	3.00E+01

	177	77 IR	5/2-	A	0.06 30 S 2	3.00E+01
	178	77 IR		EC	100 12 S 2	1.20E+01
	179	77 IR	(5/2)-	EC	100 79 S 1	7.90E+01
	180	77 IR	(4,5)	EC	100 1.5 M 1	9.00E+01
	181	77 IR	5/2-	EC	100 4.90 M 15	2.94E+02
	182	77 IR	(5+)	EC	100 15 M 1	9.00E+02
	183	77 IR	5/2-	EC	100 57 M 4	3.42E+03
	184	77 IR		-5 EC	100 3.09 H 3	1.11E+04
	185	77 IR	5/2-	EC	100 14.4 H 1	5.18E+04
	186	77 IR	5+	EC	100 16.64 H 3	5.99E+04
186M		77 IR		-2 EC@	75 1.90 H 5	6.84E+03
186M		77 IR		-2 IT@	25 1.90 H 5	6.84E+03
	187	77 IR	3/2+	EC	100 10.5 H 3	3.78E+04
!187M		77 IR	9/2-	IT	100 30.3 MS 6	3.03E-02
	188	77 IR		-1 EC	100 41.5 H 5	1.49E+05
!188M		77 IR		IT	4.2 MS 2	4.20E-03
!188M		77 IR		EC?	4.2 MS 2	4.20E-03
	189	77 IR	3/2+	EC	100 13.2 D 1	1.14E+06
!189M		77 IR	11/2-	IT	100 13.3 MS 3	1.33E-02
!189M		77 IR	(25/2)+	IT	100 3.7 MS 2	3.70E-03
	190	77 IR		-4 EC	100 11.78 D 10	1.02E+06
	190	77 IR		-4 EC<	2.00E-03 11.78 D 10	1.02E+06
190M		77 IR	(1-)	IT	100 1.120 H 3	4.03E+03
190M		77 IR	(11)-	EC	91.4 3.087 H 12	1.11E+04
190M		77 IR	(11)-	IT	8.6 3.087 H 12	1.11E+04
	191	77 IR	3/2+		STABLE	0.00E+00
191M		77 IR	11/2-	IT	100 4.94 S 3	4.94E+00
191M		77 IR		IT	100 5.5 S 7	5.50E+00
	192	77 IR	4+	B-	95.13 73.827 D 13	6.38E+06
	192	77 IR	4+	EC	4.87 73.827 D 13	6.38E+06
192M		77 IR		-1 IT	99.98 1.45 M 5	8.70E+01
192M		77 IR		-1 B-	0.02 1.45 M 5	8.70E+01
192M		77 IR	(11-)	IT	100 241 Y 9	7.61E+09
	193	77 IR	3/2+		STABLE	0.00E+00
193M		77 IR	11/2-	IT	100 10.53 D 4	9.10E+05
	194	77 IR		-1 B-	100 19.28 H 13	6.94E+04
!194M		77 IR	4+	IT	100 31.85 MS 24	3.19E-02
194M		77 IR	(10,11)	B-	100 171 D 11	1.48E+07
	195	77 IR	3/2+	B-	100 2.5 H 2	9.00E+03
195M		77 IR	11/2-	B-	95 3.8 H 2	1.37E+04
195M		77 IR	11/2-	IT	5 3.8 H 2	1.37E+04
	196	77 IR	(0-)	B-	100 52 S 1	5.20E+01
196M		77 IR	(10,11-)	B-@	100 1.40 H 2	5.04E+03
196M		77 IR	(10,11-)	IT<	0.3 1.40 H 2	5.04E+03
	197	77 IR	3/2+	B-	100 5.8 M 5	3.48E+02
197M		77 IR	11/2-	B-	99.75 8.9 M 3	5.34E+02
197M		77 IR	11/2-	IT	0.25 8.9 M 3	5.34E+02
	198	77 IR		B-	100 8 S 1	8.00E+00
	199	77 IR		B-	20 S SY	2.00E+01
	166	78 PT	0+	A	100 300 US 100	3.00E-04
	167	78 PT		A	100 0.9 MS 3	9.00E-04
	168	78 PT	0+	A &	100 2.1 MS 2	2.10E-03

169	78 PT		A @	100 7.0 MS 2	7.00E-03
170	78 PT	0+	A	14.0 MS 2	1.40E-02
171	78 PT		A @	98 51 MS 2	5.10E-02
171	78 PT		EC	2 51 MS 2	5.10E-02
172	78 PT	0+	A	94 104 ms 7	0.00E+00
172	78 PT	0+	EC	6 104 ms 7	0.00E+00
173	78 PT		A	83 370 MS 13	3.70E-01
173	78 PT		EC	370 MS 13	3.70E-01
174	78 PT	0+	A	76 0.889 S 17	8.89E-01
174	78 PT	0+	EC	24 0.889 S 17	8.89E-01
175	78 PT	(7/2-)	A	64 2.53 S 6	2.53E+00
175	78 PT	(7/2-)	EC	36 2.53 S 6	2.53E+00
176	78 PT	0+	EC	62 6.33 S 15	6.33E+00
176	78 PT	0+	A	38 6.33 S 15	6.33E+00
177	78 PT	5/2-	EC	94.3 10.6 S 4	1.06E+01
177	78 PT	5/2-	A	5.7 10.6 S 4	1.06E+01
178	78 PT	0+	EC	92.3 21.1 S 6	2.11E+01
178	78 PT	0+	A	7.7 21.1 S 6	2.11E+01
179	78 PT	1/2-	EC	99.76 21.2 S 4	2.12E+01
179	78 PT	1/2-	A	0.24 21.2 S 4	2.12E+01
180	78 PT	0+	EC	100 56 S 2	5.60E+01
180	78 PT	0+	A @	0.3 56 S 2	5.60E+01
181	78 PT	1/2-	EC	100 52.0 S 22	5.20E+01
181	78 PT	1/2-	A @	0.08 52.0 S 22	5.20E+01
182	78 PT	0+	EC	99.96 3.0 M 2	1.80E+02
182	78 PT	0+	A	0.04 3.0 M 2	1.80E+02
183	78 PT	1/2-	EC	100 6.5 M 10	3.90E+02
183	78 PT	1/2-	A @	1.30E-03 6.5 M 10	3.90E+02
183M	78 PT	(7/2)-	EC@	100 43 S 5	4.30E+01
183M	78 PT	(7/2)-	A <	4.00E-04 43 S 5	4.30E+01
183M	78 PT	(7/2)-	IT	43 S 5	4.30E+01
184	78 PT	0+	EC	100 17.3 M 2	1.04E+03
184	78 PT	0+	A @	0.001 17.3 M 2	1.04E+03
!184M	78 PT		-8 IT	100 1.01 MS 5	1.01E-03
185	78 PT	9/2+	EC	100 70.9 M 24	4.25E+03
185M	78 PT	1/2-	EC	99 33.0 M 8	1.98E+03
185M	78 PT	1/2-	IT<	2 33.0 M 8	1.98E+03
186	78 PT	0+	EC	100 2.08 H 5	7.49E+03
186	78 PT	0+	A @	1.40E-04 2.08 H 5	7.49E+03
187	78 PT	3/2-	EC	100 2.35 H 3	8.46E+03
188	78 PT	0+	EC	100 10.2 D 3	8.81E+05
188	78 PT	0+	A	2.60E-05 10.2 D 3	8.81E+05
189	78 PT	3/2-	EC	100 10.87 H 12	3.91E+04
190	78 PT	0+	A	100 6.5E+11 Y 3	2.05E+19
191	78 PT	3/2-	EC	100 2.862 D 7	2.47E+05
192	78 PT	0+		STABLE	0.00E+00
193	78 PT	1/2-	EC	100 50 Y 6	1.58E+09
193M	78 PT	13/2+	IT	100 4.33 D 3	3.74E+05
194	78 PT	0+		STABLE	0.00E+00
195	78 PT	1/2-		STABLE	0.00E+00
195M	78 PT	13/2+	IT	100 4.010 D 5	3.46E+05
196	78 PT	0+		STABLE	0.00E+00

	197	78 PT	1/2-	B-	100 19.8915 H 19	7.16E+04
197M		78 PT	13/2+	IT	96.7 95.41 M 18	5.72E+03
197M		78 PT	13/2+	B-	3.3 95.41 M 18	5.72E+03
	198	78 PT	0+		STABLE	0.00E+00
	199	78 PT	5/2-	B-	100 30.80 M 21	1.85E+03
199M		78 PT	(13/2)+	IT	100 13.6 S 4	1.36E+01
	200	78 PT	0+	B-	100 12.5 H 3	4.50E+04
	201	78 PT	(5/2-)	B-	100 2.5 M 1	1.50E+02
	202	78 PT	0+	B-	100 44 H 15	1.58E+05
	169	79 AU		A ?	150 US SY	1.50E-04
	169	79 AU		P ?	150 US SY	1.50E-04
	170	79 AU	(2-)	P	89 286 US +50-40	2.86E-04
	170	79 AU	(2-)	A	11 286 US +50-40	2.86E-04
!170M		79 AU	(9+)	P	58 617 US +50-40	6.17E-04
!170M		79 AU	(9+)	A	42 617 US +50-40	6.17E-04
	171	79 AU	(1/2+)	P @	100 22 US +3-2	2.20E-05
171M		79 AU	(11/2-)	A	66 1.09 MS 3	1.09E-03
171M		79 AU	(11/2-)	P	36 1.09 MS 3	1.09E-03
	172	79 AU		A &	100 6.3 MS 15	6.30E-03
	172	79 AU		P <	2 6.3 MS 15	6.30E-03
	173	79 AU	(1/2+)	A	94 25 MS 1	2.50E-02
	173	79 AU	(1/2+)	EC	25 MS 1	2.50E-02
	173	79 AU	(1/2+)	P	25 MS 1	2.50E-02
173M		79 AU	(11/2-)	A	92 14.0 MS 9	1.40E-02
173M		79 AU	(11/2-)	EC	14.0 MS 9	1.40E-02
173M		79 AU	(11/2-)	P	14.0 MS 9	1.40E-02
	174	79 AU		A >	0 139 MS 3	1.39E-01
	175	79 AU	(1/2+)	A ?	0.1 S SY	1.00E-01
	175	79 AU	(1/2+)	EC?	0.1 S SY	1.00E-01
175M		79 AU	(11/2-)	A	94 156 MS 5	1.56E-01
175M		79 AU	(11/2-)	EC	6 156 MS 5	1.56E-01
	176	79 AU		A	0.84 S +17-14	8.40E-01
	176	79 AU		EC	0.84 S +17-14	8.40E-01
	177	79 AU	(1/2+,3/2+)	A &	100 1462 MS 32	1.46E+00
	177	79 AU	(1/2+,3/2+)	EC	1462 MS 32	1.46E+00
177M		79 AU	11/2-	A &	100 1180 MS 12	1.18E+00
177M		79 AU	11/2-	EC	1180 MS 12	1.18E+00
	178	79 AU		EC&	60 2.6 S 5	2.60E+00
	178	79 AU		A #	40 2.6 S 5	2.60E+00
	179	79 AU		EC	78 3.3 S 13	3.30E+00
	179	79 AU		A	22 3.3 S 13	3.30E+00
	180	79 AU		EC&	98.2 8.1 S 3	8.10E+00
	180	79 AU		A #	1.8 8.1 S 3	8.10E+00
	181	79 AU	(3/2-)	EC	97.3 13.7 S 14	1.37E+01
	181	79 AU	(3/2-)	A	2.7 13.7 S 14	1.37E+01
	182	79 AU		EC	99.87 15.6 S 4	1.56E+01
	182	79 AU		A	0.13 15.6 S 4	1.56E+01
	183	79 AU	(5/2-)	EC	99.45 42.8 S 10	4.28E+01
	183	79 AU	(5/2-)	A	0.55 42.8 S 10	4.28E+01
	184	79 AU	5+	A &	0.02 20.6 S 9	2.06E+01
	184	79 AU	5+	EC	20.6 S 9	2.06E+01
184M		79 AU	2+	EC	70 47.6 S 14	4.76E+01

184M	79 AU	2+	IT	30 47.6 S 14	4.76E+01
184M	79 AU	2+	A &	0.02 47.6 S 14	4.76E+01
185	79 AU	5/2-	EC	99.74 4.25 M 6	2.55E+02
185	79 AU	5/2-	A	0.26 4.25 M 6	2.55E+02
185M	79 AU		EC<	100 6.8 M 3	4.08E+02
185M	79 AU		IT	6.8 M 3	4.08E+02
186	79 AU		-3 EC	100 10.7 M 5	6.42E+02
186	79 AU		-3 A	8.00E-04 10.7 M 5	6.42E+02
187	79 AU	1/2+	EC	100 8.4 M 3	5.04E+02
187	79 AU	1/2+	A	3.00E-03 8.4 M 3	5.04E+02
187M	79 AU	9/2-	IT	100 2.3 S 1	2.30E+00
188	79 AU	1(-)	EC	100 8.84 M 6	5.30E+02
189	79 AU	1/2+	EC	100 28.7 M 3	1.72E+03
189	79 AU	1/2+	A <	3.00E-05 28.7 M 3	1.72E+03
189M	79 AU	11/2-	EC	100 4.59 M 11	2.75E+02
190	79 AU		-1 EC	100 42.8 M 10	2.57E+03
190	79 AU		-1 A <	1.00E-06 42.8 M 10	2.57E+03
190M	79 AU	(11-)	IT@	100 125 MS 20	1.25E-01
191	79 AU	3/2+	EC	100 3.18 H 8	1.14E+04
191M	79 AU	(11/2-)	IT	100 0.92 S 11	9.20E-01
192	79 AU		-1 EC	100 4.94 H 9	1.78E+04
!192M	79 AU	(5)+	IT	100 29 MS	2.90E-02
192M	79 AU	(11-)	IT	100 160 MS 20	1.60E-01
193	79 AU	3/2+	EC	100 17.65 H 15	6.35E+04
193M	79 AU	11/2-	IT	99.97 3.9 S 3	3.90E+00
193M	79 AU	11/2-	EC@	0.03 3.9 S 3	3.90E+00
194	79 AU		-1 EC	100 38.02 H 10	1.37E+05
194M	79 AU	(5+)	IT	100 600 MS 8	6.00E-01
194M	79 AU	(11-)	IT	100 420 MS 10	4.20E-01
195	79 AU	3/2+	EC	100 186.098 D 47	1.61E+07
195M	79 AU	11/2-	IT	100 30.5 S 2	3.05E+01
196	79 AU		-2 EC	92.8 6.1669 D 6	5.33E+05
196	79 AU		-2 B-	7.2 6.1669 D 6	5.33E+05
196M	79 AU	5+	IT	100 8.1 S 2	8.10E+00
196M	79 AU		-12 IT	100 9.6 H 1	3.46E+04
197	79 AU	3/2+		STABLE	0.00E+00
197M	79 AU	11/2-	IT	100 7.73 S 6	7.73E+00
198	79 AU		-2 B-	100 2.6956 D 3	2.33E+05
198M	79 AU	(12-)	IT	100 2.27 D 2	1.96E+05
199	79 AU	3/2+	B-	100 3.139 D 7	2.71E+05
!199M	79 AU	(11/2)-	IT	100 0.44 MS 3	4.40E-04
200	79 AU	1(-)	B-	100 48.4 M 3	2.90E+03
200M	79 AU		-12 B-	82 18.7 H 5	6.73E+04
200M	79 AU		-12 IT	18 18.7 H 5	6.73E+04
201	79 AU	3/2+	B-	100 26 M 1	1.56E+03
202	79 AU	(1-)	B-	100 28.8 S 19	2.88E+01
203	79 AU	(3/2+)	B-	100 60 S 6	6.00E+01
204	79 AU	(2-)	B-	100 39.8 S 9	3.98E+01
205	79 AU	(3/2+)	B-	100 31 S 2	3.10E+01
171	80 HG		A @	100 59 US +36-16	5.90E-05
172	80 HG	0+	A	0.25 MS +35-9	2.50E-04
173	80 HG		A @	100 0.6 MS +5-2	6.00E-04

174	80 HG	0+	A	99.6 2.1 MS +18-7	2.10E-03
175	80 HG	(7/2-,9/2-	) A	100 10.8 MS 4	1.08E-02
176	80 HG	0+	A @	100 20 MS 2	2.00E-02
177	80 HG	(13/2+)	A	85 127.3 MS 18	1.27E-01
177	80 HG	(13/2+)	EC	15 127.3 MS 18	1.27E-01
178	80 HG	0+	A @	70 0.269 S 3	2.69E-01
178	80 HG	0+	EC@	30 0.269 S 3	2.69E-01
179	80 HG		A @	53 1.08 S 9	1.08E+00
179	80 HG		EC@	47 1.08 S 9	1.08E+00
179	80 HG		EP@	0.15 1.08 S 9	1.08E+00
180	80 HG	0+	EC	52 2.58 S 1	2.58E+00
180	80 HG	0+	A	48 2.58 S 1	2.58E+00
181	80 HG	1/2-	EC	73 3.6 S 1	3.60E+00
181	80 HG	1/2-	A	27 3.6 S 1	3.60E+00
181	80 HG	1/2-	EP	0.01 3.6 S 1	3.60E+00
181	80 HG	1/2-	EA	9.00E-06 3.6 S 1	3.60E+00
182	80 HG	0+	EC	84.8 10.83 S 6	1.08E+01
182	80 HG	0+	A	15.2 10.83 S 6	1.08E+01
183	80 HG	1/2-	EC	88.3 9.4 S 7	9.40E+00
183	80 HG	1/2-	A	11.7 9.4 S 7	9.40E+00
183	80 HG	1/2-	EP	2.60E-04 9.4 S 7	9.40E+00
184	80 HG	0+	EC	98.89 30.9 S 3	3.09E+01
184	80 HG	0+	A	1.11 30.9 S 3	3.09E+01
185	80 HG	1/2-	EC	94 49.1 S 10	4.91E+01
185	80 HG	1/2-	A	6 49.1 S 10	4.91E+01
185M	80 HG	13/2+	IT	54 21.6 S 15	2.16E+01
185M	80 HG	13/2+	EC	46 21.6 S 15	2.16E+01
185M	80 HG	13/2+	A @	0.03 21.6 S 15	2.16E+01
186	80 HG	0+	EC	99.98 1.38 M 6	8.28E+01
186	80 HG	0+	A	0.02 1.38 M 6	8.28E+01
187	80 HG	13/2+	EC	100 2.4 M 3	1.44E+02
187	80 HG	13/2+	A >	1.20E-04 2.4 M 3	1.44E+02
187M	80 HG	3/2-	EC	100 1.9 M 3	1.14E+02
187M	80 HG	3/2-	A >	2.50E-04 1.9 M 3	1.14E+02
188	80 HG	0+	EC	100 3.25 M 15	1.95E+02
188	80 HG	0+	A	3.70E-05 3.25 M 15	1.95E+02
189	80 HG	3/2-	EC	100 7.6 M 1	4.56E+02
189	80 HG	3/2-	A <	3.00E-05 7.6 M 1	4.56E+02
189M	80 HG	13/2+	EC	100 8.6 M 1	5.16E+02
189M	80 HG	13/2+	A <	3.00E-05 8.6 M 1	5.16E+02
190	80 HG	0+	EC	100 20.0 M 5	1.20E+03
190	80 HG	0+	A <	3.40E-07 20.0 M 5	1.20E+03
191	80 HG	(3/2-)	EC	100 49 M 10	2.94E+03
191M	80 HG	13/2+	EC	100 50.8 M 15	3.05E+03
192	80 HG	0+	EC	100 4.85 H 20	1.75E+04
193	80 HG	3/2-	EC	100 3.80 H 15	1.37E+04
193M	80 HG	13/2+	EC	92.8 11.8 H 2	4.25E+04
193M	80 HG	13/2+	IT	7.2 11.8 H 2	4.25E+04
194	80 HG	0+	EC	100 444 Y 77	1.40E+10
195	80 HG	1/2-	EC	100 10.53 H 3	3.79E+04
195M	80 HG	13/2+	IT	54.2 41.6 H 8	1.50E+05
195M	80 HG	13/2+	EC	45.8 41.6 H 8	1.50E+05

	196	80 HG	0+			STABLE	0.00E+00
	197	80 HG	1/2-	EC	100	64.14 H 5	2.31E+05
197M		80 HG	13/2+	IT	91.4	23.8 H 1	8.57E+04
197M		80 HG	13/2+	EC	8.6	23.8 H 1	8.57E+04
	198	80 HG	0+			STABLE	0.00E+00
	199	80 HG	1/2-			STABLE	0.00E+00
199M		80 HG	13/2+	IT	100	42.67 M 9	2.56E+03
	200	80 HG	0+			STABLE	0.00E+00
	201	80 HG	3/2-			STABLE	0.00E+00
	202	80 HG	0+			STABLE	0.00E+00
	203	80 HG	5/2-	B-	100	46.595 D 6	4.03E+06
	204	80 HG	0+			STABLE	0.00E+00
	205	80 HG	1/2-	B-	100	5.14 M 9	3.08E+02
!205M		80 HG	13/2+	IT	100	1.09 MS 4	1.09E-03
	206	80 HG	0+	B-	100	8.15 M 10	4.89E+02
	207	80 HG	(9/2+)	B-	100	2.9 M 2	1.74E+02
	208	80 HG	0+	B-	100	41 M +5-4	2.46E+03
	209	80 HG		B-	100	37 S 8	3.70E+01
	210	80 HG	0+	B-?		300 NS GT	3.00E-07
	176	81 TL	(3-,4-,5-)	P @	100	5.2 MS +30-14	5.20E-03
	177	81 TL	(1/2+)	A	73	18 MS 5	1.80E-02
	177	81 TL	(1/2+)	P	27	18 MS 5	1.80E-02
!177M		81 TL	(11/2-)	P	55	230 US +70-40	2.30E-04
!177M		81 TL	(11/2-)	A	45	230 US +70-40	2.30E-04
	178	81 TL		A ?		60 MS AP	6.00E-02
	178	81 TL		EC?		60 MS AP	6.00E-02
	179	81 TL	(1/2+)	A <	100	0.42 S 6	4.20E-01
	179	81 TL	(1/2+)	EC		0.42 S 6	4.20E-01
179M		81 TL	(11/2-)	A &	100	1.7 MS 2	1.70E-03
179M		81 TL	(11/2-)	IT		1.7 MS 2	1.70E-03
179M		81 TL	(11/2-)	EC		1.7 MS 2	1.70E-03
	180	81 TL		A	7	1.5 S 2	1.50E+00
	180	81 TL		EF@	1.00E-04	1.5 S 2	1.50E+00
	180	81 TL		EC		1.5 S 2	1.50E+00
	181	81 TL	1/2+	EC		1.4 MS 5	1.40E-03
	181	81 TL	1/2+	A &	10	1.4 MS 5	1.40E-03
181M		81 TL	9/2-	A		3.2 S 3	3.20E+00
	182	81 TL	(7+)	EC>	96	3.1 S 10	3.10E+00
	182	81 TL	(7+)	A <	4	3.1 S 10	3.10E+00
	183	81 TL	(1/2+)	EC>	0	6.9 S 7	6.90E+00
	183	81 TL	(1/2+)	A		6.9 S 7	6.90E+00
183M		81 TL	(9/2-)	A	2	53.3 MS 3	5.33E-02
183M		81 TL	(9/2-)	EC		53.3 MS 3	5.33E-02
183M		81 TL	(9/2-)	IT		53.3 MS 3	5.33E-02
	184	81 TL	(2+)	EC	97.9	11 S 1	1.10E+01
	184	81 TL	(2+)	A	2.1	11 S 1	1.10E+01
	185	81 TL	(1/2+)	EC		19.5 S 5	1.95E+01
185M		81 TL	(9/2-)	IT		1.93 S 8	1.93E+00
185M		81 TL	(9/2-)	A		1.93 S 8	1.93E+00
186M		81 TL	(7+)	EC	100	27.5 S 10	2.75E+01
186M		81 TL	(7+)	A @	6.00E-03	27.5 S 10	2.75E+01
186M		81 TL	(10-)	IT	100	2.9 S 2	2.90E+00

	187	81 TL	(1/2+)	EC<	100 51 S AP	5.10E+01
	187	81 TL	(1/2+)	A >	0 51 S AP	5.10E+01
187M		81 TL	(9/2-)	EC<	99.9 15.60 S 12	1.56E+01
187M		81 TL	(9/2-)	IT<	99.9 15.60 S 12	1.56E+01
187M		81 TL	(9/2-)	A	0.15 15.60 S 12	1.56E+01
188M		81 TL	(2-)	EC	100 71 S 2	7.10E+01
188M		81 TL	(7+)	EC	100 71 S 1	7.10E+01
!188M		81 TL	(9-)	IT@	100 41 MS 4	4.10E-02
!188M		81 TL	(9-)	EC	41 MS 4	4.10E-02
	189	81 TL	(1/2+)	EC	100 2.3 M 2	1.38E+02
189M		81 TL	(9/2-)	EC<	100 1.4 M 1	8.40E+01
189M		81 TL	(9/2-)	IT<	4 1.4 M 1	8.40E+01
190M		81 TL	2(-)	EC	100 2.6 M 3	1.56E+02
190M		81 TL	7(+)	EC	100 3.7 M 3	2.22E+02
!190M		81 TL	(8-)	IT	100 0.75 MS 4	7.50E-04
	191	81 TL	(1/2+)	EC?	?	0.00E+00
191M		81 TL	9/2(-)	EC	100 5.22 M 16	3.13E+02
	192	81 TL	(2-)	EC	100 9.6 M 4	5.76E+02
192M		81 TL	(7+)	EC	100 10.8 M 2	6.48E+02
	193	81 TL	1/2+	EC	100 21.6 M 8	1.30E+03
193M		81 TL	9/2-	IT&	75 2.11 M 15	1.27E+02
193M		81 TL	9/2-	EC&	25 2.11 M 15	1.27E+02
	194	81 TL		-2 EC	100 33.0 M 5	1.98E+03
	194	81 TL		-2 A <	1.00E-07 33.0 M 5	1.98E+03
194M		81 TL	(7+)	EC	100 32.8 M 2	1.97E+03
	195	81 TL	1/2+	EC	100 1.16 H 5	4.18E+03
195M		81 TL	9/2-	IT	100 3.6 S 4	3.60E+00
	196	81 TL		-2 EC	100 1.84 H 3	6.62E+03
196M		81 TL	(7+)	EC	95.5 1.41 H 2	5.08E+03
196M		81 TL	(7+)	IT	4.5 1.41 H 2	5.08E+03
	197	81 TL	1/2+	EC	100 2.84 H 4	1.02E+04
197M		81 TL	9/2-	IT	100 0.54 S 1	5.40E-01
	198	81 TL		-2 EC	100 5.3 H 5	1.91E+04
198M		81 TL	7+	EC	54 1.87 H 3	6.73E+03
198M		81 TL	7+	IT	46 1.87 H 3	6.73E+03
!198M		81 TL	(10-)	IT	100 32.1 MS 10	3.21E-02
	199	81 TL	1/2+	EC	100 7.42 H 8	2.67E+04
!199M		81 TL	9/2-	IT	100 28.4 MS 2	2.84E-02
	200	81 TL		-2 EC	100 26.1 H 1	9.40E+04
!200M		81 TL	7+	IT	100 34.3 MS 10	3.43E-02
	201	81 TL	1/2+	EC	100 72.912 H 17	2.62E+05
!201M		81 TL	(9/2-)	IT	100 2.035 MS 7	2.04E-03
	202	81 TL		-2 EC	100 12.23 D 2	1.06E+06
	203	81 TL	1/2+		STABLE	0.00E+00
	204	81 TL		-2 B-	97.1 3.78 Y 2	1.19E+08
	204	81 TL		-2 EC	2.9 3.78 Y 2	1.19E+08
	205	81 TL	1/2+		STABLE	0.00E+00
	206	81 TL		0 B-	100 4.200 M 17	2.52E+02
206M		81 TL	(12-)	IT	100 3.74 M 3	2.24E+02
	207	81 TL	1/2+	B-	100 4.77 M 2	2.86E+02
207M		81 TL	11/2-	IT	100 1.33 S 11	1.33E+00
	208	81 TL	5(+)	B-	100 3.053 M 4	1.83E+02

	209	81 TL	(1/2+)	B-	100 2.161 M 7	1.30E+02
	210	81 TL	(5+)	B-	100 1.30 M 3	7.80E+01
	210	81 TL	(5+)	BN	7.00E-03 1.30 M 3	7.80E+01
	211	81 TL		B-?	300 NS GT	3.00E-07
	212	81 TL		B-?	300 NS GT	3.00E-07
	178	82 PB	0+	A	0.23 MS 15	2.30E-04
	178	82 PB	0+	EC?	0.23 MS 15	2.30E-04
	179	82 PB		A ?	3 MS SY	3.00E-03
	180	82 PB	0+	A &	100 4.5 MS 11	4.50E-03
181M		82 PB	(13/2+)	A <	100 45 MS 20	4.50E-02
	182	82 PB	0+	A &	100 55 MS +40-35	5.50E-02
	183	82 PB	(3/2-)	A @	90 535 MS 30	5.35E-01
183M		82 PB	(13/2+)	A @	100 415 MS 20	4.15E-01
	184	82 PB	0+	EC	77 490 MS 25	4.90E-01
	184	82 PB	0+	A	23 490 MS 25	4.90E-01
185M		82 PB	13/2+	A @	50 4.24 S 17	4.24E+00
185M		82 PB	13/2+	EC?	4.24 S 17	4.24E+00
185M		82 PB	3/2-	A @	50 6.3 S 4	6.30E+00
185M		82 PB	3/2-	EC?	6.3 S 4	6.30E+00
	186	82 PB	0+	EC	60 4.82 S 3	4.82E+00
	186	82 PB	0+	A	40 4.82 S 3	4.82E+00
	187	82 PB	(3/2-)	EC	93 15.2 S 3	1.52E+01
	187	82 PB	(3/2-)	A	7 15.2 S 3	1.52E+01
187M		82 PB	(13/2+)	EC	88 18.3 S 3	1.83E+01
187M		82 PB	(13/2+)	A	12 18.3 S 3	1.83E+01
	188	82 PB	0+	EC	90.7 25.1 S 1	2.51E+01
	188	82 PB	0+	A	9.3 25.1 S 1	2.51E+01
	189	82 PB	(3/2-)	EC>	99 51 S 3	5.10E+01
	189	82 PB	(3/2-)	A @	0.4 51 S 3	5.10E+01
	190	82 PB	0+	EC	99.6 71 S 1	7.10E+01
	190	82 PB	0+	A	0.4 71 S 1	7.10E+01
	191	82 PB	(3/2-)	EC	99.99 1.33 M 8	7.98E+01
	191	82 PB	(3/2-)	A	0.01 1.33 M 8	7.98E+01
191M		82 PB	(13/2+)	EC	100 2.18 M 8	1.31E+02
191M		82 PB	(13/2+)	A @	0.02 2.18 M 8	1.31E+02
	192	82 PB	0+	EC	99.99 3.5 M 1	2.10E+02
	192	82 PB	0+	A	5.90E-03 3.5 M 1	2.10E+02
	193	82 PB	(3/2-)	EC	5 M SY	3.00E+02
193M		82 PB	(13/2+)	EC	100 5.8 M 2	3.48E+02
	194	82 PB	0+	EC	100 10.7 M 6	6.42E+02
	194	82 PB	0+	A	7.30E-06 10.7 M 6	6.42E+02
	195	82 PB	3/2-	EC	100 15 M AP	9.00E+02
195M		82 PB	13/2+	EC	100 15.0 M 12	9.00E+02
	196	82 PB	0+	EC@	100 37 M 3	2.22E+03
	196	82 PB	0+	A &	3.00E-05 37 M 3	2.22E+03
	197	82 PB	3/2-	EC	100 8.1 M 17	4.86E+02
197M		82 PB	13/2+	EC	81 42.9 M 9	2.57E+03
197M		82 PB	13/2+	IT	19 42.9 M 9	2.57E+03
	198	82 PB	0+	EC	100 2.4 H 1	8.64E+03
	199	82 PB	3/2-	EC	100 90 M 10	5.40E+03
199M		82 PB	(13/2+)	IT<	100 12.2 M 3	7.32E+02
199M		82 PB	(13/2+)	EC>	0 12.2 M 3	7.32E+02

	200	82 PB	0+	EC	100 21.5 H 4	7.74E+04
	201	82 PB	5/2-	EC	100 9.33 H 3	3.36E+04
201M		82 PB	13/2+	IT>	99 61 S 2	6.10E+01
201M		82 PB	13/2+	EC<	1 61 S 2	6.10E+01
	202	82 PB	0+	EC	100 52.5E+3 Y 28	1.66E+12
	202	82 PB	0+	A <	1 52.5E+3 Y 28	1.66E+12
202M		82 PB		-9 IT	90.5 3.53 H 1	1.27E+04
202M		82 PB		-9 EC	9.5 3.53 H 1	1.27E+04
	203	82 PB	5/2-	EC	100 51.92 H 3	1.87E+05
203M		82 PB	13/2+	IT	100 6.21 S 8	6.21E+00
203M		82 PB	29/2-	IT	100 480 MS 7	4.80E-01
	204	82 PB	0+	A ?	1.4E+17 Y GE	4.42E+24
204M		82 PB		-9 IT	100 1.14 H 4	4.10E+03
	205	82 PB	5/2-	EC	100 1.73E+7 Y 7	5.46E+14
!205M		82 PB	13/2+	IT	100 5.55 MS 2	5.55E-03
	206	82 PB	0+		STABLE	0.00E+00
	207	82 PB	1/2-		STABLE	0.00E+00
207M		82 PB	13/2+	IT	100 0.806 S 6	8.06E-01
	208	82 PB	0+		STABLE	0.00E+00
	209	82 PB	9/2+	B-	100 3.253 H 14	1.17E+04
	210	82 PB	0+	B-	100 22.20 Y 22	7.01E+08
	210	82 PB	0+	A	1.90E-06 22.20 Y 22	7.01E+08
	211	82 PB	9/2+	B-	100 36.1 M 2	2.17E+03
	212	82 PB	0+	B-	100 10.64 H 1	3.83E+04
	213	82 PB	(9/2+)	B-	100 10.2 M 3	6.12E+02
	214	82 PB	0+	B-	100 26.8 M 9	1.61E+03
	215	82 PB		B-	100 36 S 1	3.60E+01
184M		83 BI		A @	100 6.6 MS 15	6.60E-03
184M		83 BI		A @	100 13 MS 2	1.30E-02
	185	83 BI	1/2+	P	90 63 US 3	6.30E-05
	185	83 BI	1/2+	A	10 63 US 3	6.30E-05
	186	83 BI	(3+)	A @	100 15.0 MS 17	1.50E-02
186M		83 BI	(10-)	A @	100 9.8 MS 13	9.80E-03
	187	83 BI	(9/2-)	A	100 32 MS 3	3.20E-02
!187M		83 BI	(1/2+)	A	100 0.29 MS +9-5	2.90E-04
188M		83 BI	(3+)	A	100 60 MS 3	6.00E-02
188M		83 BI	(3+)	EC?	60 MS 3	6.00E-02
188M		83 BI	(10-)	A	100 265 MS 15	2.65E-01
188M		83 BI	(10-)	EC?	265 MS 15	2.65E-01
	189	83 BI	(9/2-)	A >	50 674 MS 11	6.74E-01
	189	83 BI	(9/2-)	EC<	50 674 MS 11	6.74E-01
189M		83 BI	(1/2+)	A >	50 5.0 MS 1	5.00E-03
189M		83 BI	(1/2+)	EC<	50 5.0 MS 1	5.00E-03
190M		83 BI	(10-)	A	70 6.2 S 1	6.20E+00
190M		83 BI	(10-)	EC	30 6.2 S 1	6.20E+00
190M		83 BI	(3+)	A	90 6.3 S 1	6.30E+00
190M		83 BI	(3+)	EC	10 6.3 S 1	6.30E+00
	191	83 BI	(9/2-)	A	51 12.4 S 4	1.24E+01
	191	83 BI	(9/2-)	EC	49 12.4 S 4	1.24E+01
191M		83 BI	(1/2+)	A	68 121 MS 8	1.21E-01
191M		83 BI	(1/2+)	EC	32 121 MS 8	1.21E-01
	192	83 BI	(3+)	EC	88 34.6 S 9	3.46E+01

	192	83 BI	(3+)	A		12 34.6 S 9	3.46E+01
192M		83 BI	(10-)	EC		90 39.6 S 4	3.96E+01
192M		83 BI	(10-)	A		10 39.6 S 4	3.96E+01
	193	83 BI	(9/2-)	EC		96.2 63 S 3	6.30E+01
	193	83 BI	(9/2-)	A		3.8 63 S 3	6.30E+01
193M		83 BI	(1/2+)	A		84 3.2 S 6	3.20E+00
193M		83 BI	(1/2+)	EC		16 3.2 S 6	3.20E+00
	194	83 BI	(3+)	EC		99.54 95 S 3	9.50E+01
	194	83 BI	(3+)	A		0.46 95 S 3	9.50E+01
194M		83 BI	(10-)	EC		99.8 115 S 4	1.15E+02
194M		83 BI	(10-)	A		0.2 115 S 4	1.15E+02
194M		83 BI	(6+,7+)	EC		100 125 S 2	1.25E+02
	195	83 BI	(9/2-)	EC		99.97 183 S 4	1.83E+02
	195	83 BI	(9/2-)	A		0.03 183 S 4	1.83E+02
195M		83 BI	(1/2+)	EC		67 87 S 1	8.70E+01
195M		83 BI	(1/2+)	A		33 87 S 1	8.70E+01
	196	83 BI	(3+)	EC@		100 308 S 12	3.08E+02
	196	83 BI	(3+)	A		1.20E-03 308 S 12	3.08E+02
196M		83 BI	(7+)	IT		0.6 S 5	6.00E-01
196M		83 BI	(7+)	EC		0.6 S 5	6.00E-01
196M		83 BI	(10-)	EC		74.2 240 S 3	2.40E+02
196M		83 BI	(10-)	IT		25.8 240 S 3	2.40E+02
196M		83 BI	(10-)	A		3.80E-04 240 S 3	2.40E+02
	197	83 BI	(9/2-)	EC		100 9.33 M 50	5.60E+02
	197	83 BI	(9/2-)	A		1.00E-04 9.33 M 50	5.60E+02
197M		83 BI	(1/2+)	A		55 5.04 M 16	3.02E+02
197M		83 BI	(1/2+)	EC		45 5.04 M 16	3.02E+02
197M		83 BI	(1/2+)	IT<		0.3 5.04 M 16	3.02E+02
	198	83 BI	(2+,3+)	EC		100 10.3 M 3	6.18E+02
198M		83 BI	(7+)	EC		100 11.6 M 3	6.96E+02
198M		83 BI		-10 IT		100 7.7 S 5	7.70E+00
	199	83 BI	9/2-	EC		100 27 M 1	1.62E+03
199M		83 BI	(1/2+)	EC#		98 24.70 M 15	1.48E+03
199M		83 BI	(1/2+)	IT&		2 24.70 M 15	1.48E+03
199M		83 BI	(1/2+)	A @		0.01 24.70 M 15	1.48E+03
	200	83 BI	7+	EC		100 36.4 M 5	2.18E+03
200M		83 BI	(2+)	EC>		90 31 M 2	1.86E+03
200M		83 BI	(2+)	IT<		10 31 M 2	1.86E+03
200M		83 BI	(10-)	IT		100 0.40 S 5	4.00E-01
	201	83 BI	9/2-	EC		100 108 M 3	6.48E+03
	201	83 BI	9/2-	A <		1.00E-04 108 M 3	6.48E+03
201M		83 BI	1/2+	EC>		93 59.1 M 6	3.55E+03
201M		83 BI	1/2+	IT&		6.8 59.1 M 6	3.55E+03
201M		83 BI	1/2+	A @		0.3 59.1 M 6	3.55E+03
	202	83 BI	5+	EC		100 1.72 H 5	6.19E+03
	202	83 BI	5+	A <		1.00E-05 1.72 H 5	6.19E+03
	203	83 BI	9/2-	EC		100 11.76 H 5	4.23E+04
203M		83 BI	1/2+	IT		100 305 MS 5	3.05E-01
	204	83 BI	6+	EC		100 11.22 H 10	4.04E+04
!204M		83 BI		-10 IT		100 13.0 MS 1	1.30E-02
!204M		83 BI	(17+)	IT		100 1.07 MS 3	1.07E-03
	205	83 BI	9/2-	EC		100 15.31 D 4	1.32E+06

	206	83 BI	6(+)	EC	100 6.243 D 3	5.39E+05
!206M		83 BI	(10-)	IT	100 0.89 MS 1	8.90E-04
	207	83 BI	9/2-	EC	100 32.9 Y 14	1.04E+09
!207M		83 BI	21/2+	IT	100 182 US 6	1.82E-04
	208	83 BI	(5)+	EC	100 3.68E+5 Y 4	1.16E+13
!208M		83 BI	(10)-	IT	100 2.58 MS 4	2.58E-03
	209	83 BI	9/2-	A	1.9E+19 Y 2	6.00E+26
	210	83 BI		-1 B-	100 5.012 D 5	4.33E+05
	210	83 BI		-1 A	1.30E-04 5.012 D 5	4.33E+05
210M		83 BI		-9 A	100 3.04E+6 Y 6	9.59E+13
	211	83 BI	9/2-	A	99.72 2.14 M 2	1.28E+02
	211	83 BI	9/2-	B-	0.28 2.14 M 2	1.28E+02
	212	83 BI	1(-)	B-	64.06 60.55 M 6	3.63E+03
	212	83 BI	1(-)	A	35.94 60.55 M 6	3.63E+03
212M		83 BI	(8-,9-)	A	67 25.0 M 2	1.50E+03
212M		83 BI	(8-,9-)	B-	33 25.0 M 2	1.50E+03
212M		83 BI	(8-,9-)	BA	30 25.0 M 2	1.50E+03
212M		83 BI	>16	B-@	100 7.0 M 3	4.20E+02
	213	83 BI	9/2-	B-	97.91 45.59 M 6	2.74E+03
	213	83 BI	9/2-	A	2.09 45.59 M 6	2.74E+03
	214	83 BI		-1 B-	99.98 19.9 M 4	1.19E+03
	214	83 BI		-1 A	0.02 19.9 M 4	1.19E+03
	215	83 BI	(9/2-)	B-	100 7.6 M 2	4.56E+02
215M		83 BI	(25/2-)	IT	36.4 S	3.64E+01
215M		83 BI	(25/2-)	B-	36.4 S	3.64E+01
	216	83 BI	(1-)	B-&	100 2.17 M 5	1.30E+02
	217	83 BI		B-	100 98.5 S 8	9.85E+01
	218	83 BI		B-	100 33 S 1	3.30E+01
	188	84 PO	0+	EC<	100 0.40 MS +20-15	4.00E-04
	188	84 PO	0+	A >	0 0.40 MS +20-15	4.00E-04
	189	84 PO		A	5 MS 1	5.00E-03
	190	84 PO	0+	A	100 2.46 MS 5	2.46E-03
	191	84 PO	(3/2-)	A	100 22 MS 1	2.20E-02
191M		84 PO	(13/2+)	A	100 93 MS 3	9.30E-02
	192	84 PO	0+	A @	99.5 33.2 MS 14	3.32E-02
	192	84 PO	0+	EC@	0.5 33.2 MS 14	3.32E-02
193M		84 PO	(13/2+)	A &	100 243 MS +11-10	2.43E-01
193M		84 PO	(3/2-)	A &	100 370 MS +46-40	3.70E-01
	194	84 PO	0+	A @	100 0.392 S 4	3.92E-01
	194	84 PO	0+	EC	0.392 S 4	3.92E-01
	195	84 PO	(3/2-)	A	75 4.64 S 9	4.64E+00
	195	84 PO	(3/2-)	EC	25 4.64 S 9	4.64E+00
195M		84 PO	(13/2+)	A @	90 1.92 S 2	1.92E+00
195M		84 PO	(13/2+)	EC@	10 1.92 S 2	1.92E+00
195M		84 PO	(13/2+)	IT<	0.01 1.92 S 2	1.92E+00
	196	84 PO	0+	A @	98 5.8 S 2	5.80E+00
	196	84 PO	0+	EC@	2 5.8 S 2	5.80E+00
	197	84 PO	(3/2-)	EC	56 84 S 16	8.40E+01
	197	84 PO	(3/2-)	A	44 84 S 16	8.40E+01
197M		84 PO	(13/2+)	A	84 32 S 2	3.20E+01
197M		84 PO	(13/2+)	EC	16 32 S 2	3.20E+01
197M		84 PO	(13/2+)	IT	0.01 32 S 2	3.20E+01

	198	84 PO	0+	A	57 1.77 M 3	1.06E+02
	198	84 PO	0+	EC	43 1.77 M 3	1.06E+02
	199	84 PO	(3/2-)	EC	92.5 4.58 M 52	2.75E+02
	199	84 PO	(3/2-)	A	7.5 4.58 M 52	2.75E+02
	199M	84 PO	13/2+	EC	73.5 4.13 M 43	2.48E+02
	199M	84 PO	13/2+	A	24 4.13 M 43	2.48E+02
	199M	84 PO	13/2+	IT	2.5 4.13 M 43	2.48E+02
	200	84 PO	0+	EC	88.9 10.9 M 11	6.54E+02
	200	84 PO	0+	A	11.1 10.9 M 11	6.54E+02
	201	84 PO	3/2-	EC	98.4 15.3 M 2	9.18E+02
	201	84 PO	3/2-	A	1.6 15.3 M 2	9.18E+02
	201M	84 PO	13/2+	IT	56 8.9 M 2	5.34E+02
	201M	84 PO	13/2+	EC	41 8.9 M 2	5.34E+02
	201M	84 PO	13/2+	A @	2.9 8.9 M 2	5.34E+02
	202	84 PO	0+	EC	98.08 44.7 M 5	2.68E+03
	202	84 PO	0+	A	1.92 44.7 M 5	2.68E+03
	203	84 PO	5/2-	EC	99.89 36.7 M 5	2.20E+03
	203	84 PO	5/2-	A	0.11 36.7 M 5	2.20E+03
	203M	84 PO	13/2+	IT	100 45 S 2	4.50E+01
	204	84 PO	0+	EC	99.34 3.53 H 2	1.27E+04
	204	84 PO	0+	A	0.66 3.53 H 2	1.27E+04
	205	84 PO	5/2-	EC	99.96 1.74 H 8	6.26E+03
	205	84 PO	5/2-	A	0.04 1.74 H 8	6.26E+03
	!205M	84 PO	13/2+	IT	100 0.645 MS 20	6.45E-04
	!205M	84 PO	19/2-	IT	100 57.4 MS 9	5.74E-02
	206	84 PO	0+	EC	94.55 8.8 D 1	7.60E+05
	206	84 PO	0+	A	5.45 8.8 D 1	7.60E+05
	207	84 PO	5/2-	EC	99.98 5.80 H 2	2.09E+04
	207	84 PO	5/2-	A	0.02 5.80 H 2	2.09E+04
	207M	84 PO	19/2-	IT	100 2.79 S 8	2.79E+00
	208	84 PO	0+	A	100 2.898 Y 2	9.15E+07
	208	84 PO	0+	EC	2.898 Y 2	9.15E+07
	209	84 PO	1/2-	A	99.52 102 Y 5	3.22E+09
	209	84 PO	1/2-	EC	0.48 102 Y 5	3.22E+09
	210	84 PO	0+	A	100 138.376 D 2	1.20E+07
	211	84 PO	9/2+	A	100 0.516 S 3	5.16E-01
	211M	84 PO	(25/2+)	A	99.98 25.2 S 6	2.52E+01
	211M	84 PO	(25/2+)	IT	0.02 25.2 S 6	2.52E+01
	!212	84 PO	0+	A	100 0.299 US 2	2.99E-07
	!212M	84 PO	6+	A @	71 0.76 NS 21	7.60E-10
	!212M	84 PO	8+	A @	42 17.1 NS 2	1.71E-08
	212M	84 PO	(18+)	A	99.93 45.1 S 6	4.51E+01
	213	84 PO	9/2+	A	100 3.65 US 4	3.65E-06
	214	84 PO	0+	A	100 164.3 US 20	1.64E-04
	!214M	84 PO	0+	IT	99.86 99 PS 3	9.90E-11
	!214M	84 PO	0+	A	0.14 99 PS 3	9.90E-11
	215	84 PO	9/2+	A	100 1.781 MS 4	1.78E-03
	215	84 PO	9/2+	B-	2.30E-04 1.781 MS 4	1.78E-03
	216	84 PO	0+	A	100 0.145 S 2	1.45E-01
	217	84 PO	(9/2+)	A	1.53 S 5	1.53E+00
	218	84 PO	0+	A	99.98 3.10 M 2	1.86E+02
	218	84 PO	0+	B-	0.02 3.10 M 2	1.86E+02

	219	84 PO		A ?	2 M AP	1.20E+02
	219	84 PO		B-?	2 M AP	1.20E+02
	220	84 PO	0+	B-?	300 NS GT	3.00E-07
	191	85 AT	(1/2+)	A	100 1.7 MS +11-5	1.70E-03
191M		85 AT	(7/2-)	A	100 2.1 MS +4-3	2.10E-03
	193	85 AT	(1/2+)	A @	100 28 MS +5-4	2.80E-02
193M		85 AT	(7/2-)	A @	100 21 MS 5	2.10E-02
193M		85 AT	(13/2+)	A	24 27 MS +4-5	2.70E-02
194M		85 AT		A	40 MS AP	4.00E-02
194M		85 AT		EC	40 MS AP	4.00E-02
194M		85 AT		A	250 MS AP	2.50E-01
194M		85 AT		EC	250 MS AP	2.50E-01
194M		85 AT		IT	250 MS AP	2.50E-01
	195	85 AT	(1/2+)	A	100 328 MS +20	3.28E-01
195M		85 AT	(7/2-)	A	100 147 MS +5	1.47E-01
	196	85 AT		A	94 0.39 S 5	3.90E-01
196		85 AT		EC	0.39 S 5	3.90E-01
197		85 AT	(9/2-)	A	96.1 0.390 S 16	3.90E-01
197		85 AT	(9/2-)	EC	3.9 0.390 S 16	3.90E-01
197M		85 AT	(1/2+)	A &	100 2.0 S 2	2.00E+00
197M		85 AT	(1/2+)	IT&	4.00E-03 2.0 S 2	2.00E+00
197M		85 AT	(1/2+)	EC	2.0 S 2	2.00E+00
	198	85 AT	(3+)	A	90 4.2 S 3	4.20E+00
	198	85 AT	(3+)	EC	10 4.2 S 3	4.20E+00
198M		85 AT	(10-)	A	84 1.0 S 2	1.00E+00
198M		85 AT	(10-)	EC	16 1.0 S 2	1.00E+00
	199	85 AT	(9/2-)	A	90 6.92 S 13	6.92E+00
	199	85 AT	(9/2-)	EC	10 6.92 S 13	6.92E+00
	200	85 AT	(3+)	A	57 43 S 1	4.30E+01
	200	85 AT	(3+)	EC	43 43 S 1	4.30E+01
200M		85 AT	(7+)	EC&	57 47 S 1	4.70E+01
200M		85 AT	(7+)	A	43 47 S 1	4.70E+01
200M		85 AT	(10-)	IT@	84 3.5 S 2	3.50E+00
200M		85 AT	(10-)	A @	10.5 3.5 S 2	3.50E+00
200M		85 AT	(10-)	EC@	4.5 3.5 S 2	3.50E+00
	201	85 AT	(9/2-)	A	71 89 S 3	8.90E+01
	201	85 AT	(9/2-)	EC	29 89 S 3	8.90E+01
	202	85 AT	(2,3)+	EC	82 184 S 1	1.84E+02
	202	85 AT	(2,3)+	A	18 184 S 1	1.84E+02
202M		85 AT	(7+)	EC	91.3 182 S 2	1.82E+02
202M		85 AT	(7+)	A	8.7 182 S 2	1.82E+02
202M		85 AT	(10-)	IT	99.7 0.46 S 5	4.60E-01
202M		85 AT	(10-)	EC	0.25 0.46 S 5	4.60E-01
202M		85 AT	(10-)	A	0.1 0.46 S 5	4.60E-01
	203	85 AT	9/2-	EC	69 7.37 M 13	4.42E+02
	203	85 AT	9/2-	A	31 7.37 M 13	4.42E+02
	204	85 AT	7+	EC	96.2 9.2 M 2	5.52E+02
	204	85 AT	7+	A	3.8 9.2 M 2	5.52E+02
204M		85 AT	(10-)	IT	100 108 MS 10	1.08E-01
	205	85 AT	9/2-	EC	90 26.9 M 8	1.61E+03
	205	85 AT	9/2-	A	10 26.9 M 8	1.61E+03
	206	85 AT	(5)+	EC	99.11 30.6 M 13	1.84E+03

	206	85 AT	(5)+	A	0.89 30.6 M 13	1.84E+03
	207	85 AT	9/2-	EC	91.4 1.80 H 4	6.48E+03
	207	85 AT	9/2-	A	8.6 1.80 H 4	6.48E+03
	208	85 AT	6+	EC	99.45 1.63 H 3	5.87E+03
	208	85 AT	6+	A	0.55 1.63 H 3	5.87E+03
	209	85 AT	9/2-	EC	95.9 5.41 H 5	1.95E+04
	209	85 AT	9/2-	A	4.1 5.41 H 5	1.95E+04
	210	85 AT	(5)+	EC	99.82 8.1 H 4	2.92E+04
	210	85 AT	(5)+	A	0.18 8.1 H 4	2.92E+04
	211	85 AT	9/2-	EC	58.2 7.214 H 7	2.60E+04
	211	85 AT	9/2-	A	41.8 7.214 H 7	2.60E+04
	212	85 AT	(1-)	A	100 0.314 S 2	3.14E-01
	212	85 AT	(1-)	EC<	0.03 0.314 S 2	3.14E-01
	212	85 AT	(1-)	B-<	2.00E-06 0.314 S 2	3.14E-01
212M	212M	85 AT	(9-)	A>	99 0.119 S 3	1.19E-01
212M	212M	85 AT	(9-)	IT<	1 0.119 S 3	1.19E-01
	213	85 AT	9/2-	A	100 125 NS 6	1.25E-07
	214	85 AT		-1 A	100 558 NS 10	5.58E-07
!214M	214M	85 AT		A<	100 265 NS 30	2.65E-07
!214M	214M	85 AT		-9 A &	100 760 NS 15	7.60E-07
	215	85 AT	9/2-	A	100 0.10 MS 2	1.00E-04
	216	85 AT		-1 A	100 0.30 MS 3	3.00E-04
	216	85 AT		-1 B-<	6.00E-03 0.30 MS 3	3.00E-04
	216	85 AT		-1 EC<	3.00E-07 0.30 MS 3	3.00E-04
!216M	216M	85 AT	(9-)	A	100 0.1 MS SY	1.00E-04
	217	85 AT	9/2-	A	99.99 32.3 MS 4	3.23E-02
	217	85 AT	9/2-	B-	7.00E-03 32.3 MS 4	3.23E-02
	218	85 AT		A	99.9 1.5 S 3	1.50E+00
	218	85 AT		B-	0.1 1.5 S 3	1.50E+00
	219	85 AT		A @	97 56 S 3	5.60E+01
	219	85 AT		B-@	3 56 S 3	5.60E+01
	220	85 AT		3 B-	92 3.71 M 4	2.23E+02
	220	85 AT		3 A	8 3.71 M 4	2.23E+02
	221	85 AT		B-	100 2.3 M 2	1.38E+02
	222	85 AT		B-	100 54 S 10	5.40E+01
	223	85 AT		B-	100 50 S 7	5.00E+01
	195	86 RN		A	100 6 MS +3-2	6.00E-03
195M	195M	86 RN		A	100 5 MS +3-2	5.00E-03
	196	86 RN	0+	A	100 4.4 MS +13-9	4.40E-03
	197	86 RN	(3/2-)	A @	100 65 MS +25-14	6.50E-02
197M	197M	86 RN	(13/2+)	A @	100 19 MS +8-4	1.90E-02
	198	86 RN	0+	A	65 MS 3	6.50E-02
	198	86 RN	0+	EC	65 MS 3	6.50E-02
	199	86 RN	(3/2-)	A	94 0.62 S 3	6.20E-01
	199	86 RN	(3/2-)	EC	6 0.62 S 3	6.20E-01
199M	199M	86 RN	(13/2+)	A	97 0.32 S 2	3.20E-01
199M	199M	86 RN	(13/2+)	EC	3 0.32 S 2	3.20E-01
	200	86 RN	0+	A @	98 0.96 S 3	9.60E-01
	200	86 RN	0+	EC@	2 0.96 S 3	9.60E-01
	201	86 RN	(3/2-)	A @	80 7.1 S 8	7.10E+00
	201	86 RN	(3/2-)	EC@	20 7.1 S 8	7.10E+00
201M	201M	86 RN	(13/2+)	A @	90 3.8 S 1	3.80E+00

201M	86 RN	(13/2+)	EC@	10 3.8 S 1	3.80E+00
201M	86 RN	(13/2+)	IT@	0 3.8 S 1	3.80E+00
202	86 RN	0+	A	86 10.0 S 3	1.00E+01
202	86 RN	0+	EC	14 10.0 S 3	1.00E+01
203	86 RN	(3/2-)	A	66 44.2 S 16	4.42E+01
203	86 RN	(3/2-)	EC	34 44.2 S 16	4.42E+01
203M	86 RN	(13/2+)	A	75 26.9 S 5	2.69E+01
203M	86 RN	(13/2+)	EC	25 26.9 S 5	2.69E+01
204	86 RN	0+	A	73 1.17 M 18	7.02E+01
204	86 RN	0+	EC	27 1.17 M 18	7.02E+01
205	86 RN	5/2-	EC	75.4 170 S 4	1.70E+02
205	86 RN	5/2-	A	24.6 170 S 4	1.70E+02
206	86 RN	0+	A	62 5.67 M 17	3.40E+02
206	86 RN	0+	EC	38 5.67 M 17	3.40E+02
207	86 RN	5/2-	EC	79 9.25 M 17	5.55E+02
207	86 RN	5/2-	A	21 9.25 M 17	5.55E+02
!207M	86 RN	(13/2+)	IT	100 181 US 18	1.81E-04
208	86 RN	0+	A	62 24.35 M 14	1.46E+03
208	86 RN	0+	EC	38 24.35 M 14	1.46E+03
209	86 RN	5/2-	EC	83 28.5 M 10	1.71E+03
209	86 RN	5/2-	A	17 28.5 M 10	1.71E+03
210	86 RN	0+	A	96 2.4 H 1	8.64E+03
210	86 RN	0+	EC	4 2.4 H 1	8.64E+03
211	86 RN	1/2-	EC	72.6 14.6 H 2	5.26E+04
211	86 RN	1/2-	A	27.4 14.6 H 2	5.26E+04
212	86 RN	0+	A	100 23.9 M 12	1.43E+03
213	86 RN	(9/2+)	A	100 19.4 MS 1	1.94E-02
214	86 RN	0+	A	100 0.27 US 2	2.70E-07
!214M	86 RN	6+	IT<	100 0.69 NS 21	6.90E-10
!214M	86 RN	6+	A >	0 0.69 NS 21	6.90E-10
!214M	86 RN	8+	IT@	90 6.5 NS 30	6.50E-09
!214M	86 RN	8+	A @	10 6.5 NS 30	6.50E-09
215	86 RN	9/2+	A	100 2.30 US 10	2.30E-06
216	86 RN	0+	A	100 45 US 5	4.50E-05
217	86 RN	9/2+	A	100 0.54 MS 5	5.40E-04
218	86 RN	0+	A	100 35 MS 5	3.50E-02
219	86 RN	5/2+	A	100 3.96 S 1	3.96E+00
220	86 RN	0+	A	100 55.6 S 1	5.56E+01
221	86 RN	7/2(+)	B-	78 25.7 M 5	1.54E+03
221	86 RN	7/2(+)	A	22 25.7 M 5	1.54E+03
222	86 RN	0+	A	100 3.8235 D 4	3.30E+05
223	86 RN		2-Jul B-	100 24.3 M 4	1.46E+03
224	86 RN	0+	B-	100 107 M 3	6.42E+03
225	86 RN	7/2-	B-	100 4.66 M 4	2.80E+02
226	86 RN	0+	B-	100 7.4 M 1	4.44E+02
227	86 RN		B-	100 20.8 S 7	2.08E+01
228	86 RN	0+	B-	100 65 S 2	6.50E+01
199	87 FR		A >	0 12 MS +10-4	1.20E-02
199	87 FR		EC	12 MS +10-4	1.20E-02
200	87 FR	(3+)	A	100 49 MS 4	4.90E-02
200M	87 FR	(10-)	A	100 0.57 S +27-14	5.70E-01
201	87 FR	(9/2-)	A	100 67 MS 3	6.70E-02

	201	87 FR	(9/2-)	EC<	1 67 MS 3	6.70E-02
201M		87 FR		A	100 19 MS +19-6	1.90E-02
	202	87 FR	(3+)	A @	97 0.23 S +8-4	2.30E-01
	202	87 FR	(3+)	EC@	3 0.23 S +8-4	2.30E-01
202M		87 FR	(10-)	A @	97 0.23 S +14-5	2.30E-01
202M		87 FR	(10-)	EC@	3 0.23 S +14-5	2.30E-01
	203	87 FR	(9/2-)	A &	100 0.55 S 2	5.50E-01
	204	87 FR	(3+)	A @	80 1.7 S 3	1.70E+00
	204	87 FR	(3+)	EC@	20 1.7 S 3	1.70E+00
204M		87 FR	(7+)	A &	100 2.6 S 3	2.60E+00
204M		87 FR	(10-)	A &	100 1 S AP	1.00E+00
204M		87 FR	(10-)	IT	1 S AP	1.00E+00
	205	87 FR	(9/2-)	A &	100 3.80 S 3	3.80E+00
	206	87 FR	(2+,3+)	A @	84 16 S AP	1.60E+01
	206	87 FR	(2+,3+)	EC@	16 16 S AP	1.60E+01
206M		87 FR	(7+)	A	84 15.9 S 1	1.59E+01
206M		87 FR	(7+)	EC	16 15.9 S 1	1.59E+01
206M		87 FR	(10-)	A @	12 0.7 S 1	7.00E-01
206M		87 FR	(10-)	IT	0.7 S 1	7.00E-01
	207	87 FR	9/2-	A	95 14.8 S 1	1.48E+01
	207	87 FR	9/2-	EC	5 14.8 S 1	1.48E+01
	208	87 FR	7+	A	90 59.1 S 3	5.91E+01
	208	87 FR	7+	EC	10 59.1 S 3	5.91E+01
	209	87 FR	9/2-	A	89 50.0 S 3	5.00E+01
	209	87 FR	9/2-	EC	11 50.0 S 3	5.00E+01
	210	87 FR	6+	A	60 3.18 M 6	1.91E+02
	210	87 FR	6+	EC	40 3.18 M 6	1.91E+02
	211	87 FR	9/2-	A >	80 3.10 M 2	1.86E+02
	211	87 FR	9/2-	EC<	20 3.10 M 2	1.86E+02
	212	87 FR	5+	EC	57 20.0 M 6	1.20E+03
	212	87 FR	5+	A	43 20.0 M 6	1.20E+03
	213	87 FR	9/2-	A	99.45 34.6 S 3	3.46E+01
	213	87 FR	9/2-	EC	0.55 34.6 S 3	3.46E+01
	214	87 FR	(1-)	A	100 5.0 MS 2	5.00E-03
214M		87 FR	(8-)	A	100 3.35 MS 5	3.35E-03
	215	87 FR	9/2-	A	100 86 NS 5	8.60E-08
	216	87 FR	(1-)	A	100 0.70 US 2	7.00E-07
	216	87 FR	(1-)	EC<	2.00E-07 0.70 US 2	7.00E-07
!216M		87 FR	(3-)	A >	50 71 NS 5	7.10E-08
	217	87 FR	9/2-	A	100 19 US 3	1.90E-05
	218	87 FR		-1 A	100 1.0 MS 6	1.00E-03
218M		87 FR		A &	100 22.0 MS 5	2.20E-02
218M		87 FR		IT	22.0 MS 5	2.20E-02
	219	87 FR	9/2-	A	100 20 MS 2	2.00E-02
	220	87 FR	1+	A	99.65 27.4 S 3	2.74E+01
	220	87 FR	1+	B-	0.35 27.4 S 3	2.74E+01
	221	87 FR	5/2-	A	100 4.9 M 2	2.94E+02
	221	87 FR	5/2-	B-<	0.1 4.9 M 2	2.94E+02
	221	87 FR	5/2-	14C	9.00E-13 4.9 M 2	2.94E+02
	222	87 FR		-2 B-	100 14.2 M 3	8.52E+02
	223	87 FR	3/2(-)	B-	99.99 22.00 M 7	1.32E+03
	223	87 FR	3/2(-)	A	6.00E-03 22.00 M 7	1.32E+03

	224	87 FR		-1 B-	100 3.33 M 10	2.00E+02
	225	87 FR	3/2-	B-	100 4.0 M 2	2.40E+02
	226	87 FR		-1 B-	100 49 S 1	4.90E+01
	227	87 FR	1/2+	B-	100 2.47 M 3	1.48E+02
	228	87 FR		-2 B-&	100 38 S 1	3.80E+01
	229	87 FR	(1/2+)	B-	100 50.2 S 4	5.02E+01
	230	87 FR		B-	100 19.1 S 5	1.91E+01
	231	87 FR	(1/2+)	B-	100 17.6 S 6	1.76E+01
	232	87 FR		B-	100 5 S 1	5.00E+00
	202	88 RA	0+	A	0.7 MS +33-3	7.00E-04
	203	88 RA	(3/2-)	A @	100 1.0 MS +50-5	1.00E-03
203M		88 RA	(13/2+)	A @	100 33 MS +22-10	3.30E-02
	204	88 RA	0+	A	59 MS +12-9	5.90E-02
	205	88 RA	(3/2-)	A &	100 210 MS +60-40	2.10E-01
	205	88 RA	(3/2-)	EC	210 MS +60-40	2.10E-01
205M		88 RA	(13/2+)	A &	100 170 MS +60-40	1.70E-01
205M		88 RA	(13/2+)	EC	170 MS +60-40	1.70E-01
	206	88 RA	0+	A	100 0.24 S 2	2.40E-01
	207	88 RA	(5/2-,3/2-	) A @	90 1.3 S 2	1.30E+00
	207	88 RA	(5/2-,3/2-	) EC@	10 1.3 S 2	1.30E+00
207M		88 RA	(13/2+)	IT	85 55 MS 10	5.50E-02
207M		88 RA	(13/2+)	A	15 55 MS 10	5.50E-02
207M		88 RA	(13/2+)	EC@	0.35 55 MS 10	5.50E-02
	208	88 RA	0+	A	95 1.3 S 2	1.30E+00
	208	88 RA	0+	EC	5 1.3 S 2	1.30E+00
	209	88 RA	5/2-	A @	90 4.6 S 2	4.60E+00
	209	88 RA	5/2-	EC@	10 4.6 S 2	4.60E+00
	210	88 RA	0+	A @	96 3.7 S 2	3.70E+00
	210	88 RA	0+	EC@	4 3.7 S 2	3.70E+00
	211	88 RA	5/2(-)	A >	93 13 S 2	1.30E+01
	211	88 RA	5/2(-)	EC<	7 13 S 2	1.30E+01
	212	88 RA	0+	A @	85 13.0 S 2	1.30E+01
	212	88 RA	0+	EC@	15 13.0 S 2	1.30E+01
	213	88 RA	1/2-	A	80 2.74 M 6	1.64E+02
	213	88 RA	1/2-	EC	20 2.74 M 6	1.64E+02
213M		88 RA		IT@	99 2.1 MS 1	2.10E-03
213M		88 RA		A @	1 2.1 MS 1	2.10E-03
	214	88 RA	0+	A	99.94 2.46 S 3	2.46E+00
	214	88 RA	0+	EC	0.06 2.46 S 3	2.46E+00
	215	88 RA	(9/2+)	A	100 1.55 MS 7	1.55E-03
	216	88 RA	0+	A	100 182 NS 10	1.82E-07
	216	88 RA	0+	EC<	1.00E-08 182 NS 10	1.82E-07
!216M		88 RA	6+	A	0.58 0.2 NS LT	2.00E-10
!216M		88 RA	8+	A	1.86 1.42 NS 20	1.42E-09
!216M		88 RA	10+	A	0.12 0.6 NS 1	6.00E-10
	217	88 RA	(9/2+)	A @	100 1.6 US 2	1.60E-06
	218	88 RA	0+	A	100 25.2 US 3	2.52E-05
	219	88 RA	(7/2)+	A	100 10 MS 3	1.00E-02
	220	88 RA	0+	A	100 18 MS 2	1.80E-02
	221	88 RA	5/2+	A	100 28 S 2	2.80E+01
	221	88 RA	5/2+	14C	1.00E-12 28 S 2	2.80E+01
	222	88 RA	0+	A	100 38.0 S 5	3.80E+01

	222	88 RA	0+	14C	3.00E-08 38.0 S 5	3.80E+01
	223	88 RA	3/2+	A	100 11.43 D 5	9.88E+05
	223	88 RA	3/2+	14C	8.90E-08 11.43 D 5	9.88E+05
	224	88 RA	0+	A	100 3.6319 D 23	3.14E+05
	224	88 RA	0+	14C	4.00E-09 3.6319 D 23	3.14E+05
	225	88 RA	1/2+	B-	100 14.9 D 2	1.29E+06
	226	88 RA	0+	A	100 1600 Y 7	5.05E+10
	226	88 RA	0+	14C	3.20E-09 1600 Y 7	5.05E+10
	227	88 RA	3/2+	B-	100 42.2 M 5	2.53E+03
	228	88 RA	0+	B-	100 5.75 Y 3	1.81E+08
	229	88 RA	5/2(+)	B-	100 4.0 M 2	2.40E+02
	230	88 RA	0+	B-	100 93 M 2	5.58E+03
	231	88 RA	(5/2+)	B-	100 103 S 3	1.03E+02
	232	88 RA	0+	B-	100 250 S 50	2.50E+02
	233	88 RA		B-	100 30 S 5	3.00E+01
	234	88 RA	0+	B-	100 30 S 10	3.00E+01
206M		89 AC		A	100 11 MS +9-3	1.10E-02
206M		89 AC	(3+)	A	100 22 MS +9-5	2.20E-02
206M		89 AC	(10-)	A	100 33 MS +22-9	3.30E-02
	207	89 AC	(9/2-)	A	27 MS +11-6	2.70E-02
	208	89 AC	(3+)	EC	1 95 MS +24-16	9.50E-02
	208	89 AC	(3+)	A	95 MS +24-16	9.50E-02
208M		89 AC	(10-)	IT<	10 25 MS +9-5	2.50E-02
208M		89 AC	(10-)	EC	1 25 MS +9-5	2.50E-02
208M		89 AC	(10-)	A	25 MS +9-5	2.50E-02
	209	89 AC	(9/2-)	A @	99 0.10 S 5	1.00E-01
	209	89 AC	(9/2-)	EC@	1 0.10 S 5	1.00E-01
	210	89 AC		A	91 0.35 S 5	3.50E-01
	210	89 AC		EC@	9 0.35 S 5	3.50E-01
	211	89 AC		A @	100 0.21 S 3	2.10E-01
	212	89 AC		A @	57 0.93 S 5	9.30E-01
	212	89 AC		EC@	43 0.93 S 5	9.30E-01
	213	89 AC		A &	100 0.731 S 17	7.31E-01
	214	89 AC		A #	89 8.2 S 2	8.20E+00
	214	89 AC		EC&	11 8.2 S 2	8.20E+00
	215	89 AC	9/2-	A	99.91 0.17 S 1	1.70E-01
	215	89 AC	9/2-	EC	0.09 0.17 S 1	1.70E-01
	216	89 AC	(1-)	A	100 0.440 MS 16	4.40E-04
!216M		89 AC	(9-)	A	100	0.00E+00
	217	89 AC	9/2-	A @	100 69 NS 4	6.90E-08
	217	89 AC	9/2-	EC&	2 69 NS 4	6.90E-08
!217M		89 AC	21/2-	IT#	99.6 10 NS LT	1.00E-08
!217M		89 AC	21/2-	A &	0.48 10 NS LT	1.00E-08
!217M		89 AC	(29/2)+	IT	95.7 740 NS 40	7.40E-07
!217M		89 AC	(29/2)+	A	4.3 740 NS 40	7.40E-07
	218	89 AC	(1-)	A	100 1.08 US 9	1.08E-06
	219	89 AC	9/2-	A	100 11.8 US 15	1.18E-05
	220	89 AC	(3-)	A	100 26.4 MS 2	2.64E-02
	220	89 AC	(3-)	EC	5.00E-04 26.4 MS 2	2.64E-02
	221	89 AC		A	100 52 MS 2	5.20E-02
	222	89 AC		-1 A	99 5.0 S 5	5.00E+00
	222	89 AC		-1 EC	1 5.0 S 5	5.00E+00

222M	89 AC		A #	88 63 S 3	6.30E+01
222M	89 AC		IT&	10 63 S 3	6.30E+01
222M	89 AC		EC#	0.7 63 S 3	6.30E+01
223	89 AC	(5/2-)	A	99 2.10 M 5	1.26E+02
223	89 AC	(5/2-)	EC	1 2.10 M 5	1.26E+02
224	89 AC		0 EC	90.9 2.78 H 17	1.00E+04
224	89 AC		0 A	9.1 2.78 H 17	1.00E+04
224	89 AC		0 B-<	1.6 2.78 H 17	1.00E+04
225	89 AC	(3/2-)	A	100 10.0 D 1	8.64E+05
225	89 AC	(3/2-)	14C	5.00E-10 10.0 D 1	8.64E+05
226	89 AC		-1 B-	83 29.37 H 12	1.06E+05
226	89 AC		-1 EC	17 29.37 H 12	1.06E+05
226	89 AC		-1 A	6.00E-03 29.37 H 12	1.06E+05
227	89 AC	3/2-	B-	98.62 21.772 Y 3	6.87E+08
227	89 AC	3/2-	A	1.38 21.772 Y 3	6.87E+08
228	89 AC	3+	B-	100 6.15 H 2	2.21E+04
229	89 AC	(3/2+)	B-	100 62.7 M 5	3.76E+03
230	89 AC	(1+)	B-	100 122 S 3	1.22E+02
231	89 AC	(1/2+)	B-	100 7.5 M 1	4.50E+02
232	89 AC	(1+)	B-	100 119 S 5	1.19E+02
233	89 AC	(1/2+)	B-	100 145 S 10	1.45E+02
234	89 AC		B-	100 44 S 7	4.40E+01
235	89 AC		B-?	40 S AP	4.00E+01
236	89 AC		B-?	2 M AP	1.20E+02
209	90 TH	(5/2-)	A	3.8 MS +69-15	3.80E-03
210	90 TH	0+	A	99 9 MS +17-4	9.00E-03
210	90 TH	0+	EC@	1 9 MS +17-4	9.00E-03
211	90 TH		A	0.04 S +3-1	4.00E-02
212	90 TH	0+	A	100 30 MS +20-10	3.00E-02
212	90 TH	0+	EC@	0.3 30 MS +20-10	3.00E-02
213	90 TH		A &	100 140 MS 25	1.40E-01
214	90 TH	0+	A	100 100 MS 25	1.00E-01
215	90 TH	(1/2-)	A	100 1.2 S 2	1.20E+00
216	90 TH	0+	A	100 0.028 S 2	2.80E-02
216	90 TH	0+	EC@	0.01 0.028 S 2	2.80E-02
!216M	90 TH	(8+)	IT@	97 180 US 40	1.80E-04
!216M	90 TH	(8+)	A @	3 180 US 40	1.80E-04
217	90 TH	(9/2+)	A	100 0.241 MS 5	2.41E-04
!217M	90 TH	(15/2-)	IT	100 141 NS 50	1.41E-07
218	90 TH	0+	A	100 109 NS 13	1.09E-07
219	90 TH		A	100 1.05 US 3	1.05E-06
220	90 TH	0+	A	100 9.7 US 6	9.70E-06
220	90 TH	0+	EC	2.00E-07 9.7 US 6	9.70E-06
221	90 TH	(7/2+)	A	100 1.73 MS 3	1.73E-03
222	90 TH	0+	A	100 2.237 MS 13	2.24E-03
223	90 TH	(5/2)+	A	100 0.60 S 2	6.00E-01
224	90 TH	0+	A	100 0.81 S 10	8.10E-01
225	90 TH	(3/2)+	A @	90 8.72 M 4	5.23E+02
225	90 TH	(3/2)+	EC@	10 8.72 M 4	5.23E+02
226	90 TH	0+	A	100 30.57 M 10	1.83E+03
227	90 TH	1/2+	A	100 18.68 D 9	1.61E+06
228	90 TH	0+	A	100 1.9116 Y 16	6.03E+07

	228	90 TH	0+	20O	1.00E-11	1.9116 Y 16	6.03E+07
	229	90 TH	5/2+	A	100	7340 Y 160	2.32E+11
229M		90 TH		A	100	13.9 H 30	5.00E+04
	230	90 TH	0+	A	100	7.538E+4 Y 30	2.38E+12
	230	90 TH	0+	SF<	4.00E-11	7.538E+4 Y 30	2.38E+12
	231	90 TH	5/2+	B-	100	25.52 H 1	9.19E+04
	231	90 TH	5/2+	A @	4.00E-11	25.52 H 1	9.19E+04
	232	90 TH	0+	A	100	1.405E+10 Y 6	0.00E+00
	232	90 TH	0+	SF	1.20E-08	1.405E+10 Y 6	0.00E+00
	232	90 TH	0+	Ne		1.405E+10 Y 6	0.00E+00
	233	90 TH	1/2+	B-	100	21.83 M 4	1.31E+03
!233M		90 TH		IT@	100	50 NS +50-49	5.00E-08
	234	90 TH	0+	B-	100	24.10 D 3	2.08E+06
	235	90 TH	(1/2+)	B-	100	7.2 M 1	4.32E+02
	236	90 TH	0+	B-	100	37.5 M 2	2.25E+03
	237	90 TH	(5/2+)	B-	100	4.7 M 6	2.82E+02
	238	90 TH	0+	B-	100	9.4 M 20	5.64E+02
	212	91 PA		A @	100	5.1 MS +61-19	5.10E-03
	213	91 PA	(9/2-)	A	100	5.3 MS +40-16	5.30E-03
	214	91 PA		A	100	17 MS 3	1.70E-02
	215	91 PA		A	100	14 MS 2	1.40E-02
	216	91 PA		A @	98	105 MS 12	1.05E-01
	216	91 PA		EC@	2	105 MS 12	1.05E-01
	217	91 PA		A	100	3.6 MS 8	3.60E-03
217M		91 PA		A	73	1.2 MS 2	1.20E-03
217M		91 PA		IT	27	1.2 MS 2	1.20E-03
	218	91 PA		A	100	0.113 MS 1	1.13E-04
219M		91 PA	9/2-	A	100	53 NS 10	5.30E-08
220?		91 PA		A	100	0.78 US 16	7.80E-07
220?		91 PA		EC	3.00E-07	0.78 US 16	7.80E-07
	221	91 PA	9/2-	A	100	4.9 US 8	4.90E-06
	222	91 PA		A	100	3.3 MS 3	3.30E-03
	223	91 PA		A	100	5.1 MS 6	5.10E-03
	224	91 PA		A	100	0.85 S 2	8.50E-01
	225	91 PA		A	100	1.7 S 2	1.70E+00
	226	91 PA		A	74	1.8 M 2	1.08E+02
	226	91 PA		EC	26	1.8 M 2	1.08E+02
	227	91 PA	(5/2-)	A	85	38.3 M 3	2.30E+03
	227	91 PA	(5/2-)	EC	15	38.3 M 3	2.30E+03
	228	91 PA	3+	EC	98	22 H 1	7.92E+04
	228	91 PA	3+	A	2	22 H 1	7.92E+04
	229	91 PA	(5/2+)	EC	99.52	1.50 D 5	1.30E+05
	229	91 PA	(5/2+)	A	0.48	1.50 D 5	1.30E+05
	230	91 PA	(2-)	EC	91.6	17.4 D 5	1.50E+06
	230	91 PA	(2-)	B-	8.4	17.4 D 5	1.50E+06
	230	91 PA	(2-)	A	3.20E-03	17.4 D 5	1.50E+06
	231	91 PA	3/2-	A	100	3.276E+4 Y 11	1.03E+12
	231	91 PA	3/2-	SF&	3.00E-10	3.276E+4 Y 11	1.03E+12
	232	91 PA	(2-)	B-	100	1.31 D 2	1.13E+05
	232	91 PA	(2-)	EC	3.00E-03	1.31 D 2	1.13E+05
	233	91 PA	3/2-	B-	100	26.975 D 13	2.33E+06
	234	91 PA	4+	B-	100	6.70 H 5	2.41E+04

234M	91 PA	(0-)	B-	99.84	1.17 M 3	7.02E+01
234M	91 PA	(0-)	IT	0.16	1.17 M 3	7.02E+01
235	91 PA	(3/2-)	B-	100	24.44 M 11	1.47E+03
236	91 PA	1(-)	B-	100	9.1 M 1	5.46E+02
237	91 PA	(1/2+)	B-	100	8.7 M 2	5.22E+02
238	91 PA	(3-)	B-	100	2.27 M 9	1.36E+02
238	91 PA	(3-)	SF<	2.60E-06	2.27 M 9	1.36E+02
239	91 PA	(3/2)	B-	100	1.8 H 5	6.48E+03
240	91 PA		B-?		2 M AP	1.20E+02
217	92 U		A &	100	16 MS +21-6	1.60E-02
218	92 U	0+	A	100	1.5 MS +73-7	1.50E-03
219	92 U		A	100	42 US +34-13	4.20E-05
220	92 U	0+	A ?		60 NS AP	6.00E-08
220	92 U	0+	EC?		60 NS AP	6.00E-08
221	92 U		A ?		0.7 US AP	7.00E-07
221	92 U		EC?		0.7 US AP	7.00E-07
222	92 U	0+	A	100	1.0 US +10-4	1.00E-06
223	92 U		A	100	18 US +10-5	1.80E-05
223	92 U		EC	0.2	18 US +10-5	1.80E-05
224	92 U	0+	A	100	0.9 MS 3	9.00E-04
225	92 U		A	100	84 MS 4	8.40E-02
226	92 U	0+	A	100	0.26 S 2	2.60E-01
227	92 U	(3/2+)	A	100	1.1 M 1	6.60E+01
228	92 U	0+	A >	95	9.1 M 2	5.46E+02
228	92 U	0+	EC<	5	9.1 M 2	5.46E+02
229	92 U	(3/2+)	EC@	80	58 M 3	3.48E+03
229	92 U	(3/2+)	A @	20	58 M 3	3.48E+03
230	92 U	0+	A	100	20.8 D	1.80E+06
230	92 U	0+	SF<	1.00E-10	20.8 D	1.80E+06
231	92 U	(5/2-)	EC	100	4.2 D 1	3.63E+05
231	92 U	(5/2-)	A @	4.00E-03	4.2 D 1	3.63E+05
232	92 U	0+	A	100	68.9 Y 4	2.17E+09
232	92 U	0+	Ne	9.00E-10	68.9 Y 4	2.17E+09
232	92 U	0+	Mg<	5.00E-12	68.9 Y 4	2.17E+09
232	92 U	0+	SF	3.00E-12	68.9 Y 4	2.17E+09
233	92 U	5/2+	A	100	1.592E+5 Y 2	5.02E+12
233	92 U	5/2+	SF<	6.00E-09	1.592E+5 Y 2	5.02E+12
234	92 U	0+	A	100	2.455E+5 Y 6	7.75E+12
234	92 U	0+	SF	1.60E-09	2.455E+5 Y 6	7.75E+12
234	92 U	0+	Mg	1.00E-11	2.455E+5 Y 6	7.75E+12
234	92 U	0+	Ne	9.00E-12	2.455E+5 Y 6	7.75E+12
235	92 U	7/2-	A	100	7.04E+8 Y 1	2.22E+16
235	92 U	7/2-	SF	7.00E-09	7.04E+8 Y 1	2.22E+16
235	92 U	7/2-	Ne@	8.00E-10	7.04E+8 Y 1	2.22E+16
235	92 U	7/2-	28Mg	8.00E-10	7.04E+8 Y 1	2.22E+16
235M	92 U	1/2+	IT	100	26 M AP	1.56E+03
236	92 U	0+	A	100	2.342E7 Y 3	7.39E+14
236	92 U	0+	SF	9.40E-08	2.342E7 Y 3	7.39E+14
236	92 U	0+	30Mg		2.342E7 Y 3	7.39E+14
!236M	92 U		SF	0.013	121 NS 2	1.21E-07
!236M	92 U	(0+)	IT	87	120 NS 2	1.20E-07
!236M	92 U	(0+)	SF	13	120 NS 2	1.20E-07

!236M	92 U	(0+)	A <	10 120 NS 2	1.20E-07
237	92 U	1/2+	B-	100 6.75 D 1	5.83E+05
238	92 U	0+	A	100 4.468E9 Y 3	1.41E+17
238	92 U	0+	SF	5.50E-05 4.468E9 Y 3	1.41E+17
239	92 U	5/2+	B-	100 23.45 M 2	1.41E+03
240	92 U	0+	B-	100 14.1 H 1	5.08E+04
241	92 U		B-?	5 M AP	3.00E+02
242	92 U	0+	B-	100 16.8 M 5	1.01E+03
225	93 NP	(9/2-)	A	100 2 US GT	2.00E-06
226	93 NP		A	100 35 MS 10	3.50E-02
227	93 NP		A	100 0.51 S 6	5.10E-01
228	93 NP		EC	60 61.4 S 14	6.14E+01
228	93 NP		A	40 61.4 S 14	6.14E+01
229	93 NP		A	68 4.0 M 4	2.40E+02
229	93 NP		EC	32 4.0 M 4	2.40E+02
230	93 NP		EC&	97 4.6 M 3	2.76E+02
230	93 NP		A #	3 4.6 M 3	2.76E+02
231	93 NP	(5/2)	EC	98 48.8 M 2	2.93E+03
231	93 NP	(5/2)	A	2 48.8 M 2	2.93E+03
232	93 NP	(4+)	EC	100 14.7 M 3	8.82E+02
233	93 NP	(5/2+)	EC	100 36.2 M 1	2.17E+03
233	93 NP	(5/2+)	A &	1.00E-03 36.2 M 1	2.17E+03
234	93 NP	(0+)	EC	100 4.4 D 1	3.80E+05
235	93 NP	5/2+	EC	100 396.1 D 12	3.42E+07
235	93 NP	5/2+	A	2.60E-03 396.1 D 12	3.42E+07
236	93 NP	(6-)	EC	87.3 154E+3 Y 6	4.86E+12
236	93 NP	(6-)	B-	12.5 154E+3 Y 6	4.86E+12
236	93 NP	(6-)	A	0.16 154E+3 Y 6	4.86E+12
236M	93 NP		1 EC	52 22.5 H 4	8.10E+04
236M	93 NP		1 B-	48 22.5 H 4	8.10E+04
237	93 NP	5/2+	A	100 2.144E+6 Y 7	6.77E+13
237	93 NP	5/2+	SF&	2.00E-10 2.144E+6 Y 7	6.77E+13
!237M	93 NP		SF&	100 45 NS 5	4.50E-08
238	93 NP	2+	B-	100 2.117 D 2	1.83E+05
239	93 NP	5/2+	B-	100 2.356 D 3	2.04E+05
240	93 NP	(5+)	B-	100 61.9 M 2	3.71E+03
240M	93 NP	(1+)	B-	99.88 7.22 M 2	4.33E+02
240M	93 NP	(1+)	IT	0.12 7.22 M 2	4.33E+02
241	93 NP	(5/2+)	B-	100 13.9 M 2	8.34E+02
242	93 NP	(1+)	B-	100 2.2 M 2	1.32E+02
242M	93 NP	(6+)	B-	100 5.5 M 1	3.30E+02
243	93 NP	(5/2-)	B-	100 1.85 M 15	1.11E+02
244	93 NP	(7-)	B-	100 2.29 M 16	1.37E+02
228	94 PU	0+	A	100 1.1 S +20-5	1.10E+00
229	94 PU	(3/2+)	A	100 2 US GT	2.00E-06
230	94 PU	0+	A	84 1.70 M 17	1.02E+02
230	94 PU	0+	EC	16 1.70 M 17	1.02E+02
231	94 PU	(3/2+)	EC&	99.8 8.6 M 5	5.16E+02
231	94 PU	(3/2+)	A >	0.2 8.6 M 5	5.16E+02
232	94 PU	0+	EC	80 33.1 M 8	1.99E+03
232	94 PU	0+	A	20 33.1 M 8	1.99E+03
233	94 PU		EC	99.88 20.9 M 4	1.25E+03

	233	94 PU		A	0.12 20.9 M 4	1.25E+03
	234	94 PU	0+	EC@	94 8.8 H 1	3.17E+04
	234	94 PU	0+	A @	6 8.8 H 1	3.17E+04
	235	94 PU	(5/2+)	EC	100 25.3 M 5	1.52E+03
	235	94 PU	(5/2+)	A	2.80E-03 25.3 M 5	1.52E+03
!	235M	94 PU		SF&	100 25 NS 5	2.50E-08
	236	94 PU	0+	A	100 2.858 Y 8	9.02E+07
	236	94 PU	0+	SF	1.90E-07 2.858 Y 8	9.02E+07
	237	94 PU	7/2-	EC	100 45.2 D 1	3.91E+06
	237	94 PU	7/2-	A	4.20E-03 45.2 D 1	3.91E+06
237M		94 PU	1/2+	IT	0.18 S 2	1.80E-01
!	237M	94 PU		SF&	100 85 NS 15	8.50E-08
!	237M	94 PU		SF&	100 1.1 US 1	1.10E-06
	238	94 PU	0+	A	100 87.7 Y 1	2.77E+09
	238	94 PU	0+	SF	1.90E-07 87.7 Y 1	2.77E+09
	239	94 PU	1/2+	A	100 24110 Y 30	7.61E+11
	239	94 PU	1/2+	SF	3.00E-10 24110 Y 30	7.61E+11
!	239M	94 PU	(5/2+)	SF&	100 7.5 US 10	7.50E-06
!	239M	94 PU	(9/2-)	SF&	100 2.6 NS +40-12	2.60E-09
	240	94 PU	0+	A	100 6561 Y 7	2.07E+11
	240	94 PU	0+	SF	5.70E-06 6561 Y 7	2.07E+11
!	240M	94 PU	(0+)	SF>	0 3.6 NS 2	3.60E-09
	241	94 PU	5/2+	B-	100 14.290 Y 6	4.51E+08
	241	94 PU	5/2+	A	2.50E-03 14.290 Y 6	4.51E+08
	241	94 PU	5/2+	SF>	2.00E-14 14.290 Y 6	4.51E+08
!	241M	94 PU		SF	100 32 NS 5	3.20E-08
!	241M	94 PU		SF	100 21 US 3	2.10E-05
	242	94 PU	0+	A	100 3.75E+5 Y 2	1.18E+13
	242	94 PU	0+	SF	5.50E-04 3.75E+5 Y 2	1.18E+13
!	242M	94 PU		SF&	100 3.5 NS 6	3.50E-09
!	242M	94 PU		SF&	100 28 NS	2.80E-08
	243	94 PU	7/2+	B-	100 4.956 H 3	1.78E+04
!	243M	94 PU		SF	100 45 NS 15	4.50E-08
	244	94 PU	0+	A	99.88 8.00E+7 Y 9	2.52E+15
	244	94 PU	0+	SF	0.12 8.00E+7 Y 9	2.52E+15
!	244M	94 PU		SF&	100 380 PS 80	3.80E-10
	245	94 PU	(9/2-)	B-	100 10.5 H 1	3.78E+04
	246	94 PU	0+	B-	100 10.84 D 2	9.37E+05
	247	94 PU		B-	100 2.27 D 23	1.96E+05
	231	95 AM		EC?	10 S AP	1.00E+01
	231	95 AM		A ?	10 S AP	1.00E+01
	232	95 AM		EC@	98 79 S 2	7.90E+01
	232	95 AM		A @	2 79 S 2	7.90E+01
	233	95 AM		A >	3 3.2 M 8	1.92E+02
	233	95 AM		EC	3.2 M 8	1.92E+02
	234	95 AM		EC>	99.96 2.32 M 8	1.39E+02
	234	95 AM		A <	0.04 2.32 M 8	1.39E+02
235M		95 AM		EC	99.6 10.3 M 6	6.18E+02
235M		95 AM		A	0.4 10.3 M 6	6.18E+02
236?		95 AM		A	0.004 3.6 M 1	2.16E+02
236?		95 AM		EC	3.6 M 1	2.16E+02
236M		95 AM		EC	0.6 Y 2	1.89E+07

	237	95 AM	5/2(-)	EC	99.98 73.0 M 10	4.38E+03
	237	95 AM	5/2(-)	A	0.03 73.0 M 10	4.38E+03
!	237M	95 AM		SF&	100 5 NS 2	5.00E-09
	238	95 AM	1+	EC	100 98 M 2	5.88E+03
	238	95 AM	1+	A	1.00E-04 98 M 2	5.88E+03
238M		95 AM		A	3.8 Y 10	1.20E+08
	239	95 AM	(5/2)-	EC	99.99 11.9 H 1	4.28E+04
	239	95 AM	(5/2)-	A	0.01 11.9 H 1	4.28E+04
!	239M	95 AM	(7/2+)	SF&	100 163 NS 12	1.63E-07
	240	95 AM	(3-)	EC	100 50.8 H 3	1.83E+05
	240	95 AM	(3-)	A	1.90E-04 50.8 H 3	1.83E+05
!	240M	95 AM		SF&	100 0.94 MS 4	9.40E-04
	241	95 AM	5/2-	A	100 432.2 Y 7	1.36E+10
	241	95 AM	5/2-	SF	4.00E-10 432.2 Y 7	1.36E+10
!	241M	95 AM		SF	100 1.2 US 3	1.20E-06
	242	95 AM		-1 B-	82.7 16.02 H 2	5.77E+04
	242	95 AM		-1 EC	17.3 16.02 H 2	5.77E+04
242M		95 AM		-5 IT	99.55 141 Y 2	4.45E+09
242M		95 AM		-5 A	0.45 141 Y 2	4.45E+09
242M		95 AM		-5 SF<	4.70E-09 141 Y 2	4.45E+09
242M		95 AM	(2+,3-)	SF@	100 14.0 MS 10	1.40E-02
242M		95 AM	(2+,3-)	A <	5.00E-03 14.0 MS 10	1.40E-02
242M		95 AM	(2+,3-)	IT	14.0 MS 10	1.40E-02
	243	95 AM	5/2-	A	100 7370 Y 40	2.33E+11
	243	95 AM	5/2-	SF	3.70E-09 7370 Y 40	2.33E+11
!	243M	95 AM		SF&	100 5.5 US 5	5.50E-06
	244	95 AM	(6-)	B-	100 10.1 H 1	3.64E+04
!	244M	95 AM		SF&	100 6.5 US AP	6.50E-06
244M		95 AM		SF&	100 0.90 MS 15	9.00E-04
244M		95 AM	1+	B-	99.96 26 M 1	1.56E+03
244M		95 AM	1+	EC	0.04 26 M 1	1.56E+03
	245	95 AM	(5/2)+	B-	100 2.05 H 1	7.38E+03
	246	95 AM	(7-)	B-	100 39 M 3	2.34E+03
246M		95 AM	2(-)	B-	100 25.0 M 2	1.50E+03
246M		95 AM	2(-)	IT<	0.02 25.0 M 2	1.50E+03
!	246M	95 AM		SF&	100 73 US 10	7.30E-05
	247	95 AM	(5/2)	B-	100 23.0 M 13	1.38E+03
	248	95 AM		B-	100 10 M AP	6.00E+02
	249	95 AM		B-?	2 M AP	1.20E+02
	232	96 CM	0+	SF<	30.3 1 M ?	6.00E+01
	233	96 CM		A		0.00E+00
	233	96 CM		EC		0.00E+00
	234	96 CM	0+	EC?	2 M AP	1.20E+02
	234	96 CM	0+	A ?	2 M AP	1.20E+02
	235	96 CM		EC?	5 M SY	3.00E+02
	235	96 CM		A ?	5 M SY	3.00E+02
	236	96 CM	0+	EC	10 M AP	6.00E+02
	236	96 CM	0+	A	10 M AP	6.00E+02
	237	96 CM		EC?	20 M AP	1.20E+03
	237	96 CM		A ?	20 M AP	1.20E+03
	238	96 CM	0+	EC#	90 2.4 H 1	8.64E+03
	238	96 CM	0+	A &	10 2.4 H 1	8.64E+03

	239	96 CM	(7/2-)	EC	100 2.9 H AP	1.04E+04
	239	96 CM	(7/2-)	A <	0.1 2.9 H AP	1.04E+04
	240	96 CM	0+	A >	99.5 27 D 1	2.33E+06
	240	96 CM	0+	EC<	0.5 27 D 1	2.33E+06
	240	96 CM	0+	SF	3.90E-06 27 D 1	2.33E+06
!240M		96 CM		SF&	100 10 PS 3	1.00E-11
!240M		96 CM		SF@	100 55 NS 12	5.50E-08
	241	96 CM	1/2+	EC	99 32.8 D 2	2.83E+06
	241	96 CM	1/2+	A	1 32.8 D 2	2.83E+06
	242	96 CM	0+	A	100 162.8 D 2	1.41E+07
	242	96 CM	0+	SF	6.20E-06 162.8 D 2	1.41E+07
	242	96 CM	0+	34SI	1.00E-14 162.8 D 2	1.41E+07
!242M		96 CM	0+	SF&	100 40 PS 15	4.00E-11
!242M		96 CM		SF	180 NS 70	1.80E-07
!242M		96 CM		IT	180 NS 70	1.80E-07
	243	96 CM	5/2+	A	99.71 29.1 Y 1	9.18E+08
	243	96 CM	5/2+	EC	0.29 29.1 Y 1	9.18E+08
	243	96 CM	5/2+	SF	5.30E-09 29.1 Y 1	9.18E+08
!243M		96 CM		SF&	100 42 NS 6	4.20E-08
	244	96 CM	0+	A	100 18.1 Y 1	5.71E+08
	244	96 CM	0+	SF	1.40E-04 18.1 Y 1	5.71E+08
!244M		96 CM	0+	SF&	100 500 NS GT	5.00E-07
!244M		96 CM	6+	IT	100 34 MS 2	3.40E-02
	245	96 CM	7/2+	A	100 8500 Y 100	2.68E+11
	245	96 CM	7/2+	SF	6.10E-07 8500 Y 100	2.68E+11
	246	96 CM	0+	A	99.97 4760 Y 40	1.50E+11
	246	96 CM	0+	SF	0.03 4760 Y 40	1.50E+11
	247	96 CM	9/2-	A	100 1.56E+7 Y 5	4.92E+14
	248	96 CM	0+	A	91.61 3.48E+5 Y 6	1.10E+13
	248	96 CM	0+	SF	8.39 3.48E+5 Y 6	1.10E+13
	249	96 CM	1/2(+)	B-	100 64.15 M 3	3.85E+03
	250	96 CM	0+	SF@	74 8.3E+3 Y AP	2.62E+11
	250	96 CM	0+	A @	18 8.3E+3 Y AP	2.62E+11
	250	96 CM	0+	B-@	8 8.3E+3 Y AP	2.62E+11
	251	96 CM	(1/2+)	B-	100 16.8 M 2	1.01E+03
	252	96 CM	0+	B-	2 D LT	1.73E+05
	235	97 BK		EC?	20 S AP	2.00E+01
	235	97 BK		A ?	20 S AP	2.00E+01
	236	97 BK		A ?	42 S AP	4.20E+01
	236	97 BK		EC?	42 S AP	4.20E+01
236M		97 BK		EC	30 D GE	2.59E+06
	237	97 Bk		EC?	1 M AP	6.00E+01
	237	97 Bk		A ?	1 M AP	6.00E+01
	238	97 BK		EC	100 144 S 5	1.44E+02
	238	97 BK		EF	0.048 144 S 5	1.44E+02
	240	97 BK		EF	2.00E-03 4.8 M 8	2.88E+02
	240	97 BK		EC	4.8 M 8	2.88E+02
	241	97 BK	(7/2+)	A ?	3 M AP	1.80E+02
	241	97 BK	(7/2+)	EC?	3 M AP	1.80E+02
	242	97 BK		EC&	100 7.0 M 13	4.20E+02
!242M		97 BK		SF&	100 9.5 NS 20	9.50E-09
!242M		97 BK		SF&	100 600 NS 100	6.00E-07

	243	97 BK	(3/2-)	EC@	99.85 4.5 H 2	1.62E+04
	243	97 BK	(3/2-)	A @	0.15 4.5 H 2	1.62E+04
!243M		97 BK		SF&	100 5 NS	5.00E-09
	244	97 BK	(4-)	EC	99.99 4.35 H 15	1.57E+04
	244	97 BK	(4-)	A	6.00E-03 4.35 H 15	1.57E+04
!244M		97 BK		SF&	100 820 NS 60	8.20E-07
	245	97 BK	3/2-	EC	99.88 4.94 D 3	4.27E+05
	245	97 BK	3/2-	A	0.12 4.94 D 3	4.27E+05
246M		97 BK	2(-)	EC	100 1.80 D 2	1.56E+05
246M		97 BK	2(-)	A <	0.2 1.80 D 2	1.56E+05
	247	97 BK	(3/2-)	A &	100 1380 Y 250	4.35E+10
	248	97 BK		A	9 Y GT	2.84E+08
248M		97 BK	1(-)	B-	70 23.7 H 2	8.53E+04
248M		97 BK	1(-)	EC	30 23.7 H 2	8.53E+04
	249	97 BK	7/2+	B-	100 330 D 4	2.85E+07
	249	97 BK	7/2+	A	1.40E-03 330 D 4	2.85E+07
	249	97 BK	7/2+	SF	4.70E-08 330 D 4	2.85E+07
	250	97 BK		-2 B-	100 3.212 H 5	1.16E+04
	251	97 BK	(3/2-)	B-	100 55.6 M 11	3.34E+03
	252	97 BK		B-?	2 M AP	1.20E+02
	252	97 BK		A ?	2 M AP	1.20E+02
	253	97 BK		B-?	10 M AP	6.00E+02
	254	97 BK		B-?	2 M AP	1.20E+02
	237	98 CF		SF@	10 2.1 S 3	2.10E+00
	237	98 CF		A ?	2.1 S 3	2.10E+00
	238	98 CF	0+	SF@	100 21 MS 2	2.10E-02
	239	98 CF		EC	39 S +37-12	3.90E+01
	239	98 CF		A	39 S +37-12	3.90E+01
	240	98 CF	0+	A @	98 0.96 M 15	5.76E+01
	240	98 CF	0+	SF@	2 0.96 M 15	5.76E+01
	240	98 CF	0+	EC	0.96 M 15	5.76E+01
	241	98 CF		EC@	75 3.78 M 70	2.27E+02
	241	98 CF		A @	25 3.78 M 70	2.27E+02
	242	98 CF	0+	A	80 3.7 M 5	2.22E+02
	242	98 CF	0+	EC	20 3.7 M 5	2.22E+02
	242	98 CF	0+	SF&	0.01 3.7 M 5	2.22E+02
	243	98 CF	(1/2+)	EC@	86 10.7 M 5	6.42E+02
	243	98 CF	(1/2+)	A @	14 10.7 M 5	6.42E+02
	244	98 CF	0+	A &	100 19.4 M 6	1.16E+03
	245	98 CF	(1/2+,5/2+)	EC	64 45.0 M 15	9.27E+04
	245	98 CF	(1/2+,5/2+)	A	36 45.0 M 15	9.27E+04
	246	98 CF	0+	A	100 35.7 H 5	1.29E+05
	246	98 CF	0+	EC<	4.00E-03 35.7 H 5	1.29E+05
	246	98 CF	0+	SF	2.50E-04 35.7 H 5	1.29E+05
!246M		98 CF		SF&	100 45 NS 10	4.50E-08
	247	98 CF	(7/2+)	EC	99.97 3.11 H 3	1.12E+04
	247	98 CF	(7/2+)	A	0.04 3.11 H 3	1.12E+04
	248	98 CF	0+	A	100 333.5 D 28	2.88E+07
	248	98 CF	0+	SF	2.90E-03 333.5 D 28	2.88E+07
	249	98 CF	9/2-	A	100 351 Y 2	1.11E+10
	249	98 CF	9/2-	SF	5.00E-07 351 Y 2	1.11E+10
	250	98 CF	0+	A	99.92 13.08 Y 9	4.13E+08

	250	98 CF	0+	SF	0.08 13.08 Y 9	4.13E+08
	251	98 CF	1/2+	A	100 898 Y 44	2.83E+10
	251	98 CF	1/2+	SF	898 Y 44	2.83E+10
	252	98 CF	0+	A	96.91 2.645 Y 8	8.35E+07
	252	98 CF	0+	SF	3.09 2.645 Y 8	8.35E+07
	253	98 CF	(7/2+)	B-	99.69 17.81 D 8	1.54E+06
	253	98 CF	(7/2+)	A	0.31 17.81 D 8	1.54E+06
	254	98 CF	0+	SF	99.69 60.5 D 2	5.23E+06
	254	98 CF	0+	A	0.31 60.5 D 2	5.23E+06
	255	98 CF	(7/2+)	B-	100 85 M 18	5.10E+03
	256	98 CF	0+	SF	100 12.3 M 12	7.38E+02
	256	98 CF	0+	B-<	1 12.3 M 12	7.38E+02
	256	98 CF	0+	A @	1.00E-06 12.3 M 12	7.38E+02
	240	99 ES		A ?	1 S SY	1.00E+00
	240	99 ES		EC?	1 S SY	1.00E+00
	241	99 ES	(3/2-)	A	8 S +6-5	8.00E+00
	242	99 ES		A >	0 13.5 S 25	1.35E+01
	242	99 ES		EC>	0 13.5 S 25	1.35E+01
	243	99 ES		EC&	70 21 S 2	2.10E+01
	243	99 ES		A #	30 21 S 2	2.10E+01
	244	99 ES		EC	96 37 S 4	3.70E+01
	244	99 ES		A	4 37 S 4	3.70E+01
	245	99 ES	(3/2-)	EC	60 1.1 M 1	6.60E+01
	245	99 ES	(3/2-)	A	40 1.1 M 1	6.60E+01
246M		99 ES		EC	90.1 7.7 M 5	4.62E+02
246M		99 ES		A	9.9 7.7 M 5	4.62E+02
246M		99 ES		EC	3.00E-03 7.7 M 5	4.62E+02
	247	99 ES	(7/2+)	EC@	93 4.55 M 26	2.73E+02
	247	99 ES	(7/2+)	A @	7 4.55 M 26	2.73E+02
247M		99 ES		A	625 D 84	5.40E+07
	248	99 ES	(2-,0+)	EC	99.7 27 M 5	1.62E+03
	248	99 ES	(2-,0+)	A @	0.25 27 M 5	1.62E+03
	249	99 ES	7/2+	EC	99.43 102.2 M 6	6.13E+03
	249	99 ES	7/2+	A	0.57 102.2 M 6	6.13E+03
	250	99 ES	(6+)	EC>	97 8.6 H 1	3.10E+04
	250	99 ES	(6+)	A <	3 8.6 H 1	3.10E+04
250M		99 ES	1(-)	EC&	100 2.22 H 5	7.99E+03
	251	99 ES	(3/2-)	EC	99.5 33 H 1	1.19E+05
	251	99 ES	(3/2-)	A	0.5 33 H 1	1.19E+05
	252	99 ES	(5-)	A	78 471.7 D 19	4.08E+07
	252	99 ES	(5-)	EC	22 471.7 D 19	4.08E+07
	252	99 ES	(5-)	B-@	0.01 471.7 D 19	4.08E+07
	253	99 ES	7/2+	A	100 20.47 D 3	1.77E+06
	253	99 ES	7/2+	SF	8.70E-06 20.47 D 3	1.77E+06
	254	99 ES	(7+)	A @	100 275.7 D 5	2.38E+07
	254	99 ES	(7+)	B-	1.70E-04 275.7 D 5	2.38E+07
	254	99 ES	(7+)	SF<	3.00E-06 275.7 D 5	2.38E+07
	254	99 ES	(7+)	EC	275.7 D 5	2.38E+07
254M		99 ES	2+	B-	98 39.3 H 2	1.41E+05
254M		99 ES	2+	IT<	3 39.3 H 2	1.41E+05
254M		99 ES	2+	A	0.32 39.3 H 2	1.41E+05
254M		99 ES	2+	EC	0.08 39.3 H 2	1.41E+05

254M	99 ES	2+	SF<	0.05 39.3 H 2	1.41E+05
255	99 ES	(7/2+)	B-	92 39.8 D 12	3.44E+06
255	99 ES	(7/2+)	A	8 39.8 D 12	3.44E+06
255	99 ES	(7/2+)	SF	4.10E-03 39.8 D 12	3.44E+06
256	99 ES	(1+,0-)	B-	100 25.4 M 24	1.52E+03
256M	99 ES	(8+)	B-	100 7.6 H	2.74E+04
257	99 ES		B-	7.7 D 2	6.65E+05
257	99 ES		SF	7.7 D 2	6.65E+05
258	99 ES		EC?	3 M SY	1.80E+02
258	99 ES		A ?	3 M SY	1.80E+02
242	100 FM	0+	SF&	100 0.8 MS 2	8.00E-04
243	100 FM	(7/2+)	A &	100 0.18 S +8-4	1.80E-01
244	100 FM	0+	SF&	100 3.3 MS 5	3.30E-03
245	100 FM		A &	100 4.2 S 13	4.20E+00
245	100 FM		SF&	0.1 4.2 S 13	4.20E+00
246	100 FM	0+	A	92 1.1 S 2	1.10E+00
246	100 FM	0+	SF	8 1.1 S 2	1.10E+00
246	100 FM	0+	EC&	1 1.1 S 2	1.10E+00
247	100 FM	(7/2+)	A #	50 29 S 1	2.90E+01
247	100 FM	(7/2+)	EC&	50 29 S 1	2.90E+01
247M	100 FM	(1/2+)	A &	100 4.3 S 4	4.30E+00
248	100 FM	0+	A	93 36 S 2	3.60E+01
248	100 FM	0+	EC	7 36 S 2	3.60E+01
248	100 FM	0+	SF	0.1 36 S 2	3.60E+01
249	100 FM	(7/2+)	EC	67 2.6 M 7	1.56E+02
249	100 FM	(7/2+)	A	33 2.6 M 7	1.56E+02
250	100 FM	0+	A >	90 30 M 3	1.80E+03
250	100 FM	0+	EC<	10 30 M 3	1.80E+03
250	100 FM	0+	SF	6.90E-03 30 M 3	1.80E+03
250M	100 FM	0+	IT#	80 1.8 S 1	1.80E+00
250M	100 FM	0+	A <	20 1.8 S 1	1.80E+00
250M	100 FM	0+	SF&	8.20E-05 1.8 S 1	1.80E+00
250M	100 FM	0+	EC	1.8 S 1	1.80E+00
251	100 FM	(9/2-)	EC	98.2 5.30 H 8	1.91E+04
251	100 FM	(9/2-)	A	1.8 5.30 H 8	1.91E+04
252	100 FM	0+	A	100 25.39 H 4	9.14E+04
252	100 FM	0+	SF	2.30E-03 25.39 H 4	9.14E+04
253	100 FM	(1/2)+	EC	88 3.00 D 12	2.59E+05
253	100 FM	(1/2)+	A	12 3.00 D 12	2.59E+05
254	100 FM	0+	A	99.94 3.240 H 2	1.17E+04
254	100 FM	0+	SF	0.06 3.240 H 2	1.17E+04
255	100 FM	7/2+	A	100 20.07 H 7	7.23E+04
255	100 FM	7/2+	SF	2.40E-05 20.07 H 7	7.23E+04
256	100 FM	0+	SF	91.9 157.6 M 13	9.46E+03
256	100 FM	0+	A	8.1 157.6 M 13	9.46E+03
257	100 FM	(9/2+)	A	99.79 100.5 D 2	8.68E+06
257	100 FM	(9/2+)	SF	0.21 100.5 D 2	8.68E+06
258	100 FM	0+	SF&	100 370 US 43	3.70E-04
259	100 FM		SF	100 1.5 S 3	1.50E+00
260	100 FM	0+	SF	100 4 MS AP	4.00E-03
245	101 MD	(1/2-)	A	0.90 MS 25	9.00E-04
245	101 MD	(1/2-)	SF	0.90 MS 25	9.00E-04

245M	101 MD		A	0.35 S +23-16	3.50E-01
245M	101 MD		EC	0.35 S +23-16	3.50E-01
246M	101 MD		SF	1.0 S 4	1.00E+00
246M	101 MD		A >	0 1.0 S 4	1.00E+00
246M	101 MD		EC>	0 1.0 S 4	1.00E+00
	247	101 MD	A &	100 1.12 S 22	1.12E+00
	248	101 MD	EC	80 7 S 3	7.00E+00
	248	101 MD	A	20 7 S 3	7.00E+00
	248	101 MD	SF&	0.05 7 S 3	7.00E+00
	249	101 MD	A >	60 24 S 4	2.40E+01
	249	101 MD	EC&	40 24 S 4	2.40E+01
	250	101 MD	EC	93 52 S 6	5.20E+01
	250	101 MD	A	7 52 S 6	5.20E+01
	251	101 MD	EC#	90 4.0 M 5	2.40E+02
	251	101 MD	A &	10 4.0 M 5	2.40E+02
	252	101 MD	EC&	100 2.3 M 8	1.38E+02
	253	101 MD	(1/2-) EC&	100 6 M +12-3	3.60E+02
	253	101 MD	(1/2-) A	6 M +12-3	3.60E+02
254M	101 MD		EC&	100 10 M 3	6.00E+02
254M	101 MD		EC&	100 28 M 8	1.68E+03
	255	101 MD	(7/2-) EC	92 27 M 2	1.62E+03
	255	101 MD	(7/2-) A	8 27 M 2	1.62E+03
	255	101 MD	(7/2-) SF<	0.15 27 M 2	1.62E+03
	256	101 MD	(1-) EC	90.8 77 M 2	4.62E+03
	256	101 MD	(1-) A	9.2 77 M 2	4.62E+03
	256	101 MD	(1-) SF<	3 77 M 2	4.62E+03
	257	101 MD	(7/2-) EC	85 5.52 H 5	1.99E+04
	257	101 MD	(7/2-) A	15 5.52 H 5	1.99E+04
	257	101 MD	(7/2-) SF<	1 5.52 H 5	1.99E+04
	258	101 MD	A	100 51.5 D 3	4.45E+06
	258	101 MD	SF	51.5 D 3	4.45E+06
258M	101 MD		EC#	70 57.0 M 9	3.42E+03
258M	101 MD		SF	57.0 M 9	3.42E+03
	259	101 MD	SF@	100 96 M 3	5.76E+03
	259	101 MD	A <	1.3 96 M 3	5.76E+03
	260	101 MD	SF#	42 31.8 D 5	2.75E+06
	260	101 MD	A &	25 31.8 D 5	2.75E+06
	260	101 MD	EC&	23 31.8 D 5	2.75E+06
	260	101 MD	B-&	10 31.8 D 5	2.75E+06
	261	101 MD	A ?	40 M SY	2.40E+03
	262	101 MD	SF?	3 M SY	1.80E+02
	262	101 MD	A ?	3 M SY	1.80E+02
	248	102 NO	0+ SF?	2 US LT	2.00E-06
	249	102 NO	SF	54 US +15-10	5.40E-05
	250	102 NO	0+ SF&	100 6 US 1	6.00E-06
	250	102 NO	0+ A	0.1 6 US 1	6.00E-06
	250	102 NO	0+ EC	1.00E-03 6 US 1	6.00E-06
	251	102 NO	(7/2+) A &	100 0.78 S 2	7.80E-01
	251	102 NO	(7/2+) SF&	8 0.78 S 2	7.80E-01
	251	102 NO	(7/2+) EC	0.78 S 2	7.80E-01
251M	102 NO	(1/2+) A &		100 0.93 S 6	9.30E-01
	252	102 NO	0+ A	58 2.27 S 14	2.27E+00

	252	102 NO	0+	EC	23 2.27 S 14	2.27E+00
	252	102 NO	0+	SF	19 2.27 S 14	2.27E+00
252M		102 NO		A	26 D 7	2.25E+06
	253	102 NO	(9/2-)	A &	100 1.62 M 15	9.72E+01
	253	102 NO	(9/2-)	EC	1.62 M 15	9.72E+01
	254	102 NO	0+	A	90 51 S 10	5.10E+01
	254	102 NO	0+	EC	10 51 S 10	5.10E+01
	254	102 NO	0+	SF	0.17 51 S 10	5.10E+01
254M		102 NO	0+	IT>	80 0.28 S 4	2.80E-01
	255	102 NO	(1/2+)	A	61 3.1 M 2	1.86E+02
	255	102 NO	(1/2+)	EC	39 3.1 M 2	1.86E+02
	256	102 NO	0+	A	99.47 2.91 S 5	2.91E+00
	256	102 NO	0+	SF	0.53 2.91 S 5	2.91E+00
	257	102 NO	(7/2+)	A &	100 25 S 3	2.50E+01
	257	102 NO	(7/2+)	SF&	1.5 25 S 3	2.50E+01
	258	102 NO	0+	SF&	100 1.2 MS 2	1.20E-03
	259	102 NO		A	75 58 M 5	3.48E+03
	259	102 NO		EC	25 58 M 5	3.48E+03
	259	102 NO		SF<	10 58 M 5	3.48E+03
	260	102 NO	0+	SF	100 106 MS 8	1.06E-01
	261	102 NO		B-		0.00E+00
	261	102 NO		A		0.00E+00
	262	102 NO	0+	SF	100 5 MS AP	5.00E-03
	263	102 NO		A ?	20 M SY	1.20E+03
	263	102 NO		SF?	20 M SY	1.20E+03
	264	102 NO	0+	A ?	1 M SY	6.00E+01
	251	103 LR		EC?		0.00E+00
	251	103 LR		A ?		0.00E+00
	252	103 LR		A @	90 0.36 S +11-7	3.60E-01
	252	103 LR		EC@	10 0.36 S +11-7	3.60E-01
	252	103 LR		SF<	1 0.36 S +11-7	3.60E-01
	253	103 LR		A	100 0.57 S +7-6	5.70E-01
	253	103 LR		SF<	2 0.57 S +7-6	5.70E-01
253M		103 LR		A	90 1.5 S +3-2	1.50E+00
253M		103 LR		SF<	2 1.5 S +3-2	1.50E+00
	254	103 LR		A	76 13 S 3	1.30E+01
	254	103 LR		EC	24 13 S 3	1.30E+01
	255	103 LR		A	85 22 S 4	2.20E+01
	255	103 LR		EC<	30 22 S 4	2.20E+01
	255	103 LR		SF&	0.1 22 S 4	2.20E+01
	256	103 LR		A	85 27 S 3	2.70E+01
	256	103 LR		EC	15 27 S 3	2.70E+01
	256	103 LR		SF<	0.03 27 S 3	2.70E+01
	257	103 LR		A &	100 0.646 S 25	6.46E-01
	257	103 LR		SF&	0.03 0.646 S 25	6.46E-01
	258	103 LR		A >	95 4.1 S 3	4.10E+00
	258	103 LR		SF<	5 4.1 S 3	4.10E+00
	259	103 LR		A	78 6.2 S 3	6.20E+00
	259	103 LR		SF	22 6.2 S 3	6.20E+00
	260	103 LR		A	80 180 S 30	1.80E+02
	260	103 LR		EC<	40 180 S 30	1.80E+02
	260	103 LR		SF<	10 180 S 30	1.80E+02

	261	103 LR		SF	100 39 M 12	2.34E+03
	262	103 LR		SF<	10 4 H AP	1.44E+04
	262	103 LR		EC	4 H AP	1.44E+04
	262	103 LR		A	4 H AP	1.44E+04
	263	103 LR		A ?	5 H SY	1.80E+04
	264	103 LR		A ?	10 H SY	3.60E+04
	264	103 LR		SF?	10 H SY	3.60E+04
	265	103 LR		A ?	10 H SY	3.60E+04
	265	103 LR		SF?	10 H SY	3.60E+04
	266	103 LR		A ?	1 H SY	3.60E+03
	266	103 LR		SF?	1 H SY	3.60E+03
253M		104 RF		SF&	100 48 US +17-10	4.80E-05
253M		104 RF		A	48 US +17-10	4.80E-05
253M		104 RF		SF@	50 1.8 S AP	1.80E+00
253M		104 RF		A @	50 1.8 S AP	1.80E+00
	254	104 RF	0+	SF&	100 23 US 3	2.30E-05
	255	104 RF	(9/2-)	SF	52 1.64 S 11	1.64E+00
	255	104 RF	(9/2-)	A	48 1.64 S 11	1.64E+00
255M		104 RF		A &	100 0.8 S +5-2	8.00E-01
	256	104 RF	0+	SF	99.68 6.4 MS 2	6.40E-03
	256	104 RF	0+	A	0.32 6.4 MS 2	6.40E-03
	257	104 RF	(1/2+)	A <	100 4.7 S 3	4.70E+00
	257	104 RF	(1/2+)	SF&	1.4 4.7 S 3	4.70E+00
	257	104 RF	(1/2+)	EC>	0 4.7 S 3	4.70E+00
257M		104 RF		A <	100 3.9 S 4	3.90E+00
257M		104 RF		SF&	1.4 3.9 S 4	3.90E+00
257M		104 RF		EC>	0 3.9 S 4	3.90E+00
	258	104 RF	0+	SF	87 12 MS 2	1.20E-02
	258	104 RF	0+	A	13 12 MS 2	1.20E-02
	259	104 RF		A	92 3.2 S 6	3.20E+00
	259	104 RF		SF	8 3.2 S 6	3.20E+00
	260	104 RF	0+	SF&	100 21 MS 1	2.10E-02
	260	104 RF	0+	A ?	21 MS 1	2.10E-02
	261	104 RF		A >	80 65 S 10	6.50E+01
	261	104 RF		EC<	15 65 S 10	6.50E+01
	261	104 RF		SF<	10 65 S 10	6.50E+01
	262	104 RF	0+	SF&	100 2.3 S 4	2.30E+00
	262	104 RF	0+	A <	3 2.3 S 4	2.30E+00
	263	104 RF		SF@	100 10 M 2	6.00E+02
	263	104 RF		A	10 M 2	6.00E+02
	264	104 RF	0+	A ?	1 H SY	3.60E+03
	265	104 RF		A ?	13 H AP	4.68E+04
	266	104 RF	0+	A ?	10 H SY	3.60E+04
	266	104 RF	0+	SF?	10 H SY	3.60E+04
267?		104 RF		SF	100 2.3 H +980-17	8.28E+03
	268	104 RF	0+	A ?	6 H SY	2.16E+04
	268	104 RF	0+	SF?	6 H SY	2.16E+04
	255	105 DB		A @	80 1.6 S +6-4	1.60E+00
	255	105 DB		SF@	20 1.6 S +6-4	1.60E+00
	256	105 DB		A @	64 1.6 S +5-3	1.60E+00
	256	105 DB		EC@	36 1.6 S +5-3	1.60E+00
	256	105 DB		SF@	0.02 1.6 S +5-3	1.60E+00

	257	105 DB		A >	94 1.50 S +19-15	1.50E+00
	257	105 DB		SF<	6 1.50 S +19-15	1.50E+00
257M		105 DB		A #	87 0.76 S +15-11	7.60E-01
257M		105 DB		SF&	13 0.76 S +15-11	7.60E-01
	258	105 DB		A	67 4.0 S 10	4.00E+00
	258	105 DB		EC	33 4.0 S 10	4.00E+00
	258	105 DB		SF<	1 4.0 S 10	4.00E+00
258M		105 DB		EC@	100 20 S 10	2.00E+01
	259	105 DB		A	0.51 S 16	5.10E-01
	260	105 DB		A #	90.4 1.52 S 13	1.52E+00
	260	105 DB		SF&	9.6 1.52 S 13	1.52E+00
	260	105 DB		EC<	2.5 1.52 S 13	1.52E+00
	261	105 DB		A #	82 1.8 S 4	1.80E+00
	261	105 DB		SF&	18 1.8 S 4	1.80E+00
	262	105 DB		A @	67 35 S 5	3.50E+01
	262	105 DB		SF	35 S 5	3.50E+01
	263	105 DB		SF	55 27 S +10-7	2.70E+01
	263	105 DB		A	41 27 S +10-7	2.70E+01
	263	105 DB		EC	3 27 S +10-7	2.70E+01
	264	105 DB		A ?	3 M SY	1.80E+02
	265	105 DB		A ?	15 M SY	9.00E+02
	266	105 DB		A ?	20 M SY	1.20E+03
	266	105 DB		SF?	20 M SY	1.20E+03
267?		105 DB		SF>	0 73 M +350-33	4.38E+03
268?		105 DB		SF	100 32 H +11-7	1.15E+05
	269	105 DB		A ?	3 H SY	1.08E+04
	269	105 DB		SF?	3 H SY	1.08E+04
	258	106 SG	0+	SF&	100 2.9 MS +13-7	2.90E-03
	258	106 SG	0+	A ?	2.9 MS +13-7	2.90E-03
	259	106 SG	(1/2+)	A	90 0.48 S +28-13	4.80E-01
	259	106 SG	(1/2+)	SF<	20 0.48 S +28-13	4.80E-01
	260	106 SG	0+	A	50 3.6 MS 9	3.60E-03
	260	106 SG	0+	SF	50 3.6 MS 9	3.60E-03
	261	106 SG		A @	100 0.23 S 6	2.30E-01
	261	106 SG		SF<	1 0.23 S 6	2.30E-01
	262	106 SG	0+	SF#	78 6.9 MS +38-18	6.90E-03
	262	106 SG	0+	A &	22 6.9 MS +38-18	6.90E-03
	263	106 SG		A >	70 1.0 S 2	1.00E+00
	263	106 SG		SF<	30 1.0 S 2	1.00E+00
263M		106 SG		A	0.12 S	1.20E-01
263M		106 SG		IT	0.12 S	1.20E-01
	264	106 SG	0+	A ?	0.4 S SY	4.00E-01
	265	106 SG	(9/2+)	SF&	57 8 S 3	8.00E+00
	265	106 SG	(9/2+)	A #	43 8 S 3	8.00E+00
	266	106 SG	0+	SF#	50 21 S +20-12	2.10E+01
	266	106 SG	0+	A &	50 21 S +20-12	2.10E+01
	268	106 SG	0+	A ?	30 S SY	3.00E+01
	268	106 SG	0+	SF?	30 S SY	3.00E+01
	270	106 SG	0+	A ?	10 M SY	6.00E+02
	270	106 SG	0+	SF?	10 M SY	6.00E+02
271?		106 SG		A	50 2.4 M +43-10	1.44E+02
271?		106 SG		SF	50 2.4 M +43-10	1.44E+02

272	106 SG	0+	A ?	1 H SY	3.60E+03
272	106 SG	0+	SF?	1 H SY	3.60E+03
273	106 SG		SF?	1 M SY	6.00E+01
260	107 BH		A &	100 0.3 MS SY	3.00E-04
261	107 BH		A	95 12 MS +5-3	1.20E-02
261	107 BH		SF<	10 12 MS +5-3	1.20E-02
262M	107 BH		A &	100 8.0 MS 21	8.00E-03
262M	107 BH		A &	100 102 MS 26	1.02E-01
263	107 BH		A ?	0.2 MS SY	2.00E-04
264	107 BH		A &	100 0.44 S +60-16	4.40E-01
265	107 BH		A	0.9 S +7-3	9.00E-01
266?	107 BH		A	100 1.7 MS +82-8	1.70E-03
267?	107 BH		A	100 17 S +14-6	1.70E+01
271?	107 BH		A ?	40 S SY	4.00E+01
272?	107 BH		A	100 10 S +12-4	1.00E+01
273	107 BH		A ?	90 M SY	5.40E+03
273	107 BH		SF?	90 M SY	5.40E+03
274	107 BH		A ?	90 M SY	5.40E+03
274	107 BH		SF?	90 M SY	5.40E+03
275	107 BH		SF?	40 M SY	2.40E+03
263	108 HS		A &	100	0.00E+00
264	108 HS	0+	A @	50 0.8 MS AP	8.00E-04
264	108 HS	0+	SF@	50 0.8 MS AP	8.00E-04
265	108 HS		A @	100 2.0 MS +3-2	2.00E-03
265	108 HS		SF&	1 2.0 MS +3-2	2.00E-03
!265M	108 HS		A @	100 0.75 MS +17-12	7.50E-04
!265M	108 HS		SF&	1 0.75 MS +17-12	7.50E-04
266	108 HS	0+	A @	100 2.3 MS +13-6	2.30E-03
266?	108 HS	0+	SF<	1.4 2.3 MS +13-6	2.30E-03
267	108 HS		A #	80 52 MS +13-8	5.20E-02
267	108 HS		SF<	20 52 MS +13-8	5.20E-02
267M	108 HS		A >	0 0.80 S +380-37	8.00E-01
269?	108 HS		A	100 9.7 S +97-33	9.70E+00
270?	108 HS	0+	A	100 3.6 S +8-14	3.60E+00
271	108 HS		A ?	40 S SY	4.00E+01
271	108 HS		SF?	40 S SY	4.00E+01
272	108 HS	0+	A ?	40 S SY	4.00E+01
272	108 HS	0+	SF?	40 S SY	4.00E+01
273	108 HS	(3/2+)	A ?	50 S SY	5.00E+01
274	108 HS	0+	A ?	1 M SY	6.00E+01
274	108 HS	0+	SF?	1 M SY	6.00E+01
275?	108 HS		A	0.15 S +27-6	1.50E-01
276	108 HS	0+	A ?	1 H SY	3.60E+03
276	108 HS	0+	SF?	1 H SY	3.60E+03
265	109 MT		A ?	2 M SY	1.20E+02
266?	109 MT		A &	100 1.7 MS +18-16	1.70E-03
267	109 MT		A ?	10 MS SY	1.00E-02
268?	109 MT		A	100 21 MS +8-5	2.10E-02
270?	109 MT		A	100 4.96 MS	4.96E-03
271	109 MT		A ?	5 S SY	5.00E+00
272	109 MT		A ?	10 S SY	1.00E+01
272	109 MT		SF?	10 S SY	1.00E+01

	273	109 MT		A ?	20 S SY	2.00E+01
	273	109 MT		SF?	20 S SY	2.00E+01
	274	109 MT		A ?	20 S SY	2.00E+01
	274	109 MT		SF?	20 S SY	2.00E+01
275?		109 MT		A	9.7 MS +460-44	9.70E-03
276?		109 MT		A	100 0.72 S +87-25	7.20E-01
	279	109 MT		A ?	6 M SY	3.60E+02
	279	109 MT		SF?	6 M SY	3.60E+02
267?		110 DS		A	100 3 US +6-2	3.00E-06
	268	110 DS	0+	A?	100 US SY	1.00E-04
269?		110 DS		A	100 179 US +245-66	1.79E-04
	270	110 DS	0+	A	100 0.10 MS +14-4	1.00E-04
	270	110 DS	0+	SF<	0.2 0.10 MS +14-4	1.00E-04
270M		110 DS		A >	70 6.0 MS +82-22	6.00E-03
270M		110 DS		IT&	30 6.0 MS +82-22	6.00E-03
	271	110 DS		A	100 1.63 MS +44-29	1.63E-03
271M		110 DS		A >	0 69 MS +56-21	6.90E-02
271M		110 DS		IT?	69 MS +56-21	6.90E-02
	272	110 DS	0+	SF	1 S SY	1.00E+00
	273	110 DS		A	100 0.17 MS +17-6	1.70E-04
	274	110 DS	0+	A ?	2 S SY	2.00E+00
	274	110 DS	0+	SF?	2 S SY	2.00E+00
	275	110 DS		A ?	2 S SY	2.00E+00
	276	110 DS	0+	A ?	5 S SY	5.00E+00
	276	110 DS	0+	SF?	5 S SY	5.00E+00
	277	110 DS		A ?	5 S SY	5.00E+00
	278	110 DS	0+	A ?	10 S SY	1.00E+01
	278	110 DS	0+	SF?	10 S SY	1.00E+01
279?		110 DS		SF	90 0.18 S +5-3	1.80E-01
279M		110 DS		A	10 0.18 S +5-3	1.80E-01
281?		110 DS		SF	100 11.1 S +50-27	1.11E+01
272?		111 RG		A	100 3.8 MS +14-8	3.80E-03
	273	111 RG		A ?	5 MS SY	5.00E-03
274?		111 RG		A	100 6.4 MS +307-29	6.40E-03
	275	111 RG		A ?	10 MS SY	1.00E-02
	276	111 RG		A ?	100 MS SY	1.00E-01
	276	111 RG		SF?	100 MS SY	1.00E-01
	277	111 RG		A ?	1 S SY	1.00E+00
	277	111 RG		SF?	1 S SY	1.00E+00
	278	111 RG		A ?	1 S SY	1.00E+00
	278	111 RG		SF?	1 S SY	1.00E+00
279?		111 RG		A	100 0.17 S +81-8	1.70E-01
280?		111 RG		A	100 3.6 S +43-13	3.60E+00
	281	111 RG		A ?	1 M SY	6.00E+01
	281	111 RG		SF?	1 M SY	6.00E+01
	282	111 RG		A ?	4 M SY	2.40E+02
	282	111 RG		SF?	4 M SY	2.40E+02
	283	111 RG		A ?	10 M SY	6.00E+02
	283	111 RG		SF?	10 M SY	6.00E+02
	277	112	12	A	100 0.69 MS +69-24	6.90E-04
	278	112	12 0+	A ?	10 MS SY	1.00E-02
	278	112	12 0+	SF?	10 MS SY	1.00E-02

279	112	12	A ?	0.1 S SY	1.00E-01
279	112	12	SF?	0.1 S SY	1.00E-01
280	112	12 0+	A ?	1 S SY	1.00E+00
280	112	12 0+	SF?	1 S SY	1.00E+00
282?	112	12	SF	100 0.50 MS +33-14	5.00E-04
283?	112	12	A #	99 4.0 S +13-7	4.00E+00
283?	112	12	SF&	1 4.0 S +13-7	4.00E+00
284?	112	12	SF	100 97 MS +31-19	9.70E-02
285?	112	12	A	100 29 S +13-7	2.90E+01
278?	113	13	A	100 0.24 MS +114-1	2.40E-04
283?	113	13	A	100 100 MS +490-45	1.00E-01
284?	113	13	A	100 0.48 S +58-17	4.80E-01
285	113	13	A ?	2 M SY	1.20E+02
285	113	13	SF?	2 M SY	1.20E+02
286	113	13	A ?	5 M SY	3.00E+02
286	113	13	SF?	5 M SY	3.00E+02
287	113	13	A ?	20 M SY	1.20E+03
287	113	13	SF?	20 M SY	1.20E+03
286?	114	14	SF	60 0.16 MS +7-3	1.60E-04
286?	114	14	A	40 0.16 MS +7-3	1.60E-04
287?	114	14	A	100 0.51 S +18-10	5.10E-01
288?	114	14	A	100 0.8 S +27-16	8.00E-01
289?	114	14	A	100 2.6 S +12-7	2.60E+00
287?	115	15	A	100 32 MS +155-14	3.20E-02
288?	115	15	A	100 87 MS +105-30	8.70E-02
289	115	15	A ?	10 S SY	1.00E+01
289	115	15	SF?	10 S SY	1.00E+01
290	115	15	A ?	10 S SY	1.00E+01
290	115	15	SF?	10 S SY	1.00E+01
291	115	15	A ?	1 M SY	6.00E+01
291	115	15	SF?	1 M SY	6.00E+01
290	116	16 0+	A	100 15 MS +26-6	1.50E-02
291	116	16	A	100 6.3 MS +116-25	6.30E-03
292?	116	16 0+	A	100 18.0 MS +16-6	1.80E-02
293?	116	16	A	100 61 MS +57-20	6.10E-02
291	117	17	A ?	10 MS SY	1.00E-02
291	117	17	SF?	10 MS SY	1.00E-02
292	117	17	A ?	50 MS SY	5.00E-02
292	117	17	SF?	50 MS SY	5.00E-02
294?	118	18 0+	A >	0 1.8 MS +84-8	1.80E-03
294?	118	18 0+	SF?	1.8 MS +84-8	1.80E-03

half life (year)	Mass Exc
1.95E-05	8.0713
0.00E+00	7.289
0.00E+00	13.1357
1.23E+01	14.9498
3.26E-30	25.9015
2.64E-30	32.8924
9.41E-30	41.8638
2.90E-22	49.135
0.00E+00	14.9312
0.00E+00	2.4249
2.51E-29	11.3862
2.51E-29	11.3862
2.56E-08	17.5951
1.00E-28	26.101
3.77E-09	31.598
3.77E-09	31.598
2.31E-28	40.9394
8.84E-29	48.8092
0.00E+00	28.667
2.49E-30	25.3232
1.00E-29	11.6789
1.00E-29	11.6789
0.00E+00	14.0868
0.00E+00	14.9081
2.66E-08	20.9468
2.66E-08	20.9468
5.64E-09	24.9543
5.64E-09	24.9543
1.25E-29	33.0506
2.72E-10	40.7973
2.72E-10	40.7973
2.72E-10	40.7973
3.17E-16	50.096
0.00E+00	37.996
1.64E-28	18.3749
1.64E-28	18.3749
1.46E-01	15.77
2.21E-24	4.9417
0.00E+00	11.3476
1.51E+06	12.6067
4.37E-07	20.1741
4.37E-07	20.1741
6.81E-10	25.0765
6.81E-10	25.0765
8.56E-29	33.2478
1.53E-10	39.9545
1.53E-10	39.9545
1.53E-10	39.9545
6.34E-15	49.798
6.34E-15	57.678
0.00E+00	43.603

1.07E-29	27.8683
1.07E-29	27.8683
2.44E-08	22.9215
2.44E-08	22.9215
2.79E-26	12.4157
2.79E-26	12.4157
0.00E+00	12.0507
0.00E+00	8.6679
6.40E-10	13.3689
6.40E-10	13.3689
5.48E-10	16.5622
3.96E-10	23.6637
3.96E-10	23.6637
3.15E-10	28.9723
3.15E-10	28.9723
3.15E-10	28.9723
6.02E-18	37.0817
1.61E-10	43.7708
1.61E-10	43.7708
1.61E-10	43.7708
1.61E-10	43.7708
1.61E-10	43.7708
8.24E-16	52.322
9.25E-11	59.364
9.25E-11	59.364
9.25E-11	59.364
6.53E-29	35.0941
6.53E-29	35.0941
4.02E-09	28.9105
4.02E-09	28.9105
4.02E-09	28.9105
6.12E-07	15.6987
3.87E-05	10.6503
0.00E+00	0
0.00E+00	3.125
5.70E+03	3.0199
7.76E-08	9.8731
2.37E-08	13.6941
2.37E-08	13.6941
6.12E-09	21.0388
6.12E-09	21.0388
2.92E-09	24.9262
2.92E-09	24.9262
1.55E-09	32.4207
1.55E-09	32.4207
4.44E-10	37.5576
4.44E-10	37.5576
9.51E-16	45.96
1.93E-10	53.281
1.93E-10	53.281
1.93E-10	53.281
2.00E-22	38.8001

9.51E-30	24.6236
3.49E-10	17.3381
1.89E-05	5.3455
0.00E+00	2.8634
4.18E-22	11.3534
4.18E-22	11.3534
2.31E-21	11.8274
2.31E-21	11.8274
2.85E-22	11.9924
2.85E-22	11.9924
0.00E+00	0.1014
3.80E-22	10.7946
3.80E-22	10.7946
2.26E-07	5.6837
2.26E-07	5.6837
1.32E-07	7.8714
1.32E-07	7.8714
1.98E-08	13.1145
1.98E-08	13.1145
1.98E-08	13.1145
8.59E-09	15.8621
8.59E-09	15.8621
4.12E-09	21.7651
4.12E-09	21.7651
2.69E-09	25.2512
2.69E-09	25.2512
5.70E-10	32.0387
5.70E-10	32.0387
5.70E-10	32.0387
4.47E-10	38.396
4.47E-10	38.396
4.47E-10	38.396
1.65E-15	47.543
8.24E-15	56.504
3.77E-29	32.048
2.72E-10	23.1124
2.72E-10	23.1124
2.24E-06	8.0074
3.87E-06	2.8556
0.00E+00	-4.737
0.00E+00	-0.8088
0.00E+00	-0.7815
8.52E-07	3.3349
4.28E-07	3.7975
1.08E-07	8.0629
7.13E-08	9.2842
7.13E-08	9.2842
2.60E-09	14.613
2.60E-09	14.613
2.06E-09	19.0704
2.06E-09	19.0704
1.58E-15	27.442

1.27E-15	35.713
8.24E-15	44.954
3.17E-15	53.85
0.00E+00	32.658
1.51E-29	16.7754
3.77E-28	10.6803
2.04E-06	1.9517
2.09E-04	0.8737
0.00E+00	-1.4874
3.52E-07	-0.0174
1.32E-07	-0.0476
1.34E-07	2.7934
1.34E-07	2.7934
7.07E-08	3.3297
1.27E-08	7.5595
1.27E-08	7.5595
1.58E-09	11.2727
1.58E-09	11.2727
3.04E-10	18.2718
3.04E-10	18.2718
1.58E-10	24.9269
1.58E-10	24.9269
1.27E-15	33.226
7.92E-11	40.296
7.92E-11	40.296
7.92E-11	40.296
8.24E-15	48.903
8.24E-15	56.289
8.24E-15	56.289
1.23E-28	23.9965
3.45E-09	16.4609
3.45E-09	16.4609
3.45E-09	16.4609
5.29E-08	5.3172
5.45E-07	1.7514
0.00E+00	-7.0419
0.00E+00	-5.7318
0.00E+00	-8.0247
1.18E-06	-5.154
6.43E-06	-5.9515
1.91E-08	-2.1081
6.08E-09	0.4296
6.08E-09	0.4296
1.01E-09	7.0699
1.01E-09	7.0699
6.02E-10	11.2446
6.02E-10	11.2446
4.94E-10	18.0579
4.94E-10	18.0579
4.94E-10	18.0579
1.84E-10	23.102
1.84E-10	23.102

1.08E-10	30.842
1.11E-10	37.278
8.24E-15	45.997
4.75E-14	53.121
4.75E-14	53.121
4.12E-29	24.19
4.12E-29	24.19
1.27E-15	12.9268
1.42E-08	6.8477
1.42E-08	6.8477
7.13E-07	-2.1842
2.60E+00	-5.1824
0.00E+00	-9.5299
1.70E-03	-8.4181
6.40E-10	-7.9459
6.40E-10	-7.9459
1.87E-06	-9.3578
3.42E-08	-6.8623
9.54E-09	-5.5174
9.54E-09	-5.5174
9.66E-10	-0.9892
9.66E-10	-0.9892
1.42E-09	2.665
1.42E-09	2.665
1.52E-09	8.3611
1.52E-09	8.3611
1.52E-09	8.3611
1.52E-09	8.3611
5.39E-10	12.6548
5.39E-10	12.6548
5.39E-10	12.6548
4.18E-10	19.0645
4.18E-10	19.0645
4.18E-10	19.0645
2.57E-10	24.8893
2.57E-10	24.8893
2.57E-10	24.8893
1.74E-10	32.761
1.74E-10	32.761
1.74E-10	32.761
4.75E-11	39.582
4.75E-11	39.582
8.24E-15	47.953
4.75E-14	55.275
4.75E-14	55.275
0.00E+00	33.0401
2.88E-09	17.5703
2.88E-09	17.5703
3.87E-09	10.9105
3.87E-09	10.9105
3.87E-09	10.9105
1.23E-07	-0.397

3.58E-07	-5.4738
0.00E+00	13.9336
0.00E+00	13.1928
0.00E+00	16.2146
1.80E-05	14.5867
2.39E-03	15.0186
4.12E-08	10.619
1.06E-08	-8.9107
7.29E-09	-3.2174
7.29E-09	-3.2174
2.73E-09	-0.9548
2.73E-09	-0.9548
2.87E-09	4.8941
2.87E-09	4.8941
6.34E-10	8.8086
6.34E-10	8.8086
2.22E-09	16.152
2.22E-09	16.152
1.24E-10	21.424
8.24E-15	29.249
8.24E-15	29.249
8.24E-15	34.996
8.24E-15	43.568
3.17E-11	50.235
3.17E-11	50.235
1.11E-15	26.119
1.87E-09	18.183
1.87E-09	18.183
1.87E-09	18.183
1.87E-09	18.183
1.49E-08	6.7696
1.49E-08	6.7696
6.50E-08	-0.0569
6.50E-08	-0.0569
6.50E-08	-0.0569
4.15E-09	0.3689
4.15E-09	0.3689
4.15E-09	0.3689
2.28E-07	-8.9162
7.16E+05	12.2103
2.01E-07	11.982
0.00E+00	17.1967
4.25E-06	16.8504
1.25E-05	18.2153
1.14E-07	15.8724
2.04E-08	14.9536
1.05E-09	11.062
1.32E-09	-8.5294
1.32E-09	-8.5294
1.33E-09	-2.9325
1.33E-09	-2.9325
1.22E-09	-0.1302

1.22E-09	-0.1302
2.85E-09	5.782
2.85E-09	5.782
3.39E-10	9.9463
2.41E-10	16.0506
2.41E-10	21.3964
8.24E-15	29.295
8.24E-15	29.295
8.24E-15	35.704
3.17E-11	43.678
3.17E-11	43.678
9.19E-10	32.164
9.19E-10	32.164
1.34E-09	23.772
1.34E-09	23.772
1.34E-09	23.772
4.44E-09	10.7547
4.44E-09	10.7547
6.97E-09	3.8243
6.97E-09	3.8243
7.07E-08	-7.1446
1.32E-07	12.3843
0.00E+00	21.4928
0.00E+00	21.895
0.00E+00	24.4329
2.99E-04	22.949
1.32E+02	24.0809
1.96E-07	20.4927
8.78E-08	19.9568
2.47E-08	14.3603
1.43E-08	12.4825
1.43E-08	12.4825
2.85E-09	-6.58
2.85E-09	-6.58
3.17E-14	-4.0673
3.17E-14	-4.0673
1.51E-09	1.9282
1.05E-09	5.4671
1.05E-09	5.4671
6.34E-10	13.5626
4.12E-10	18.434
8.24E-15	26.697
8.24E-15	26.697
3.17E-10	32.844
3.17E-10	32.844
0.00E+00	31.997
0.00E+00	31.997
9.51E-16	18.872
1.38E-09	10.973
1.38E-09	10.973
8.24E-09	-0.717
8.24E-09	-0.717

8.56E-09	-7.1588
8.56E-09	-7.1588
8.56E-09	-7.1588
1.31E-07	16.9526
4.75E-06	20.2006
0.00E+00	24.4409
3.90E-02	24.3052
6.94E-02	26.3375
3.93E-07	24.5577
1.50E-06	24.8577
1.77E-07	20.251
7.32E-08	18.9941
2.03E-08	14.7578
2.03E-08	14.7578
7.92E-09	12.8737
7.92E-09	12.8737
3.96E-09	-8.1068
3.96E-09	-8.1068
3.17E-09	-5.2765
3.17E-09	-5.2765
1.54E-09	0.9389
1.54E-09	0.9389
1.16E-09	5.7659
1.16E-09	5.7659
5.86E-10	12.1
6.34E-15	17.903
6.34E-15	25.504
3.17E-10	25.97
4.91E-10	17.543
4.91E-10	17.543
4.91E-10	17.543
3.96E-09	4.0732
3.96E-09	4.0732
5.93E-09	-3.1596
5.93E-09	-3.1596
3.74E-08	14.0625
8.14E-08	19.0446
0.00E+00	26.0157
0.00E+00	26.586
0.00E+00	29.9318
2.40E-01	28.8464
0.00E+00	30.6641
9.60E-06	26.8964
3.23E-04	26.8612
3.64E-07	23.1622
2.79E-07	22.8666
6.31E-08	19.0191
6.31E-08	19.0191
3.20E-08	17.6775
8.87E-09	11.9652
8.87E-09	11.9652
3.17E-09	-9.1162

3.17E-09	-9.1162
2.15E-09	-3.2527
2.15E-09	-3.2527
1.58E-09	0.699
6.34E-15	8.002
6.34E-15	13.199
6.34E-15	22.001
0.00E+00	26.557
6.34E-16	13.143
9.51E-16	4.443
4.75E-09	-7.0672
4.75E-09	-7.0672
9.44E-09	13.3298
9.44E-09	13.3298
9.44E-09	13.3298
7.95E-08	21.0034
4.85E-08	24.4398
6.08E-05	24.2934
6.08E-05	24.2934
0.00E+00	29.0135
3.01E+05	29.5219
3.01E+05	29.5219
0.00E+00	31.7615
7.07E-05	29.7981
2.27E-08	29.1267
1.06E-04	29.8002
2.57E-06	27.5578
1.22E-06	27.3072
2.15E-07	24.913
9.73E-08	24.1682
1.77E-08	20.2311
1.77E-08	20.2311
1.27E-08	18.3626
1.27E-08	18.3626
7.35E-09	14.7083
7.35E-09	14.7083
3.20E-09	10.517
3.20E-09	10.517
6.34E-15	-4.704
5.39E-15	0.298
6.34E-10	7.303
6.34E-15	13.497
6.34E-16	20.083
4.78E-10	11.293
4.78E-10	11.293
4.78E-10	11.293
3.11E-09	-2.2002
3.11E-09	-2.2002
5.48E-09	-9.3841
5.48E-09	-9.3841
2.68E-08	18.3772
5.61E-08	23.0474

0.00E+00	30.2315
9.57E-02	30.9477
0.00E+00	34.7146
2.69E+02	33.242
0.00E+00	35.0399
2.09E-04	33.0675
3.30E+01	34.4227
1.02E-05	32.0098
2.26E-05	32.6731
6.81E-07	29.7706
2.66E-07	29.7201
3.90E-08	25.9078
3.90E-08	25.9078
1.52E-08	23.716
5.39E-15	18.146
5.39E-15	14.503
6.34E-15	-7.797
3.17E-10	-2.999
9.51E-11	4.602
9.51E-11	4.602
0.00E+00	20.418
7.92E-16	6.763
7.92E-16	-1.481
5.64E-09	11.1689
5.64E-09	11.1689
1.08E-08	17.4262
1.08E-08	17.4262
1.08E-08	17.4262
3.90E-08	24.8002
1.45E-05	28.8007
2.93E-08	28.6703
0.00E+00	33.807
1.25E+09	33.5352
1.25E+09	33.5352
0.00E+00	35.5591
1.41E-03	35.0216
2.54E-03	36.5932
4.21E-05	35.8096
3.30E-05	36.6082
3.33E-06	35.4183
5.55E-07	35.6963
2.15E-07	32.1239
2.15E-07	32.1239
3.99E-08	30.3193
3.99E-08	30.3193
1.50E-08	25.3521
1.50E-08	25.3521
1.16E-08	22.002
1.16E-08	22.002
3.33E-09	16.199
3.33E-09	16.199
3.33E-09	16.199

9.51E-10	11.998
9.51E-10	11.998
9.51E-10	11.998
3.17E-10	-5.403
3.17E-10	-5.403
9.51E-11	-0.27
9.51E-11	-0.27
1.11E-15	13.153
8.14E-10	4.602
8.14E-10	4.602
8.14E-10	4.602
3.23E-09	-6.4394
3.23E-09	-6.4394
5.74E-09	13.1618
5.74E-09	13.1618
1.39E-08	22.0592
2.73E-08	27.2744
3.00E+21	34.8463
1.02E+05	35.1378
0.00E+00	38.5471
0.00E+00	38.4086
0.00E+00	41.4685
4.44E-01	40.812
2.80E+15	43.1351
1.24E-02	42.3401
2.30E+19	44.2141
2.30E+19	44.2141
1.66E-05	41.2893
4.40E-07	39.5708
3.17E-07	35.8633
3.17E-07	35.8633
1.46E-07	32.5091
1.46E-07	32.5091
2.85E-09	27.898
2.85E-09	27.898
9.51E-15	23.893
9.51E-15	18.118
3.17E-10	13.441
1.58E-10	-7.12
1.58E-10	-7.12
0.00E+00	13.898
0.00E+00	2.841
9.51E-15	-4.937
9.51E-15	14.168
5.77E-09	20.5232
5.77E-09	20.5232
5.77E-09	20.5232
1.89E-08	28.6424
2.16E-08	32.1212
1.96E-06	31.5049
4.44E-04	36.1879
1.39E-11	36.0365

4.53E-04	37.8161
6.69E-03	37.5452
6.69E-03	37.5452
0.00E+00	41.0678
1.01E-08	41.0558
2.29E-01	41.7571
5.96E-07	41.6146
9.16E-03	44.3321
4.98E-03	44.4961
1.09E-04	46.5524
3.26E-06	44.5369
1.11E-08	44.2799
1.11E-08	44.2799
3.93E-07	43.2182
2.60E-07	40.3565
9.51E-08	37.623
9.51E-08	37.623
1.14E-08	34.2188
3.64E-09	29.5806
3.64E-09	29.5806
1.11E-09	25.271
1.11E-09	25.271
1.90E-09	25.271
1.90E-09	25.271
4.12E-10	20.688
4.12E-10	20.688
3.80E-10	15.174
3.17E-10	10.042
3.17E-10	10.042
9.51E-11	-3.996
3.80E-15	9.101
9.82E-10	1.5
9.82E-10	1.5
1.69E-09	-8.8503
1.69E-09	-8.8503
2.55E-09	15.7
2.55E-09	15.7
6.31E-09	25.1216
1.61E-08	29.3211
5.99E+01	37.5485
3.52E-04	39.0057
0.00E+00	44.1234
0.00E+00	44.9324
0.00E+00	48.4877
0.00E+00	48.5588
0.00E+00	51.4267
1.10E-05	49.7278
3.23E-06	49.4648
1.04E-06	46.8288
4.75E-08	45.5944
4.12E-08	41.6703
6.34E-09	38.9368

6.34E-09	38.9368
1.90E-09	33.5439
1.90E-09	33.5439
1.87E-09	30.767
9.51E-10	25.216
6.97E-10	21.648
9.51E-15	15.649
3.17E-10	11.653
9.51E-11	-5.198
9.51E-11	-5.198
0.00E+00	10.33
0.00E+00	-0.205
1.74E-15	-8.169
2.54E-08	18.024
3.52E-09	24.1164
3.52E-09	24.1164
4.75E-09	24.1164
1.73E-08	31.8796
1.34E-08	37.073
3.23E-11	36.2715
6.21E-05	42.0021
4.37E-02	44.4754
9.00E-01	47.9569
1.40E+17	49.2216
1.40E+17	49.2216
0.00E+00	52.2014
7.13E-06	51.4413
3.04E-06	51.8488
1.58E-06	49.891
2.07E-07	49.1515
6.84E-09	46.0801
6.84E-09	46.0801
1.11E-08	44.1887
1.11E-08	44.1887
5.86E-09	40.2087
2.38E-09	37.0666
2.15E-09	32.5773
1.27E-09	32.5773
1.27E-09	32.5773
3.87E-09	32.5773
3.87E-09	32.5773
1.49E-09	29.361
1.06E-09	24.424
5.39E-10	20.912
4.75E-15	15.398
3.17E-10	11.252
3.17E-10	11.252
4.12E-10	5.99
6.84E-10	-2.133
6.84E-10	-2.133
6.84E-10	-2.133
1.68E-09	13.461

1.68E-09	13.461
1.58E-09	18.9652
1.58E-09	18.9652
8.24E-09	29.4737
1.58E-08	34.5584
2.46E-03	42.8192
8.05E-05	45.3305
1.30E+18	50.2595
7.57E-02	51.4488
0.00E+00	55.4169
0.00E+00	55.2847
0.00E+00	56.9325
6.65E-06	55.1075
1.13E-05	55.2812
6.69E-07	52.5241
2.22E-07	51.8347
1.46E-08	47.8915
1.81E-08	46.5039
8.56E-09	42.1807
6.62E-09	40.4146
6.62E-09	40.4146
4.09E-09	35.527
4.09E-09	35.527
1.36E-09	33.152
8.56E-10	27.796
8.56E-10	27.796
3.17E-10	24.796
1.58E-09	19.049
3.33E-15	6.399
3.33E-15	6.399
2.22E-15	-5.114
1.08E-09	12.37
1.08E-09	12.37
3.17E-09	22.263
3.17E-09	22.263
5.01E-09	29.3234
5.01E-09	29.3234
5.01E-09	29.3234
1.21E-08	37.6156
8.97E-09	42.6268
3.33E-06	42.3978
8.78E-05	48.2413
1.53E-02	50.7054
4.02E-05	50.3277
4.02E-05	50.3277
3.74E+06	54.6879
8.56E-01	55.5554
8.56E-01	55.5554
0.00E+00	57.7106
2.94E-04	56.9097
2.71E-06	57.4868
9.51E-08	55.9068

2.07E-06	55.835
2.07E-06	55.835
1.45E-07	55.4796
1.62E-06	53.1778
5.61E-08	52.9059
5.61E-08	52.9059
2.12E-08	51.5557
2.92E-09	48.0388
2.13E-08	48.0388
2.13E-08	48.0388
9.19E-09	46.3512
2.82E-09	42.6167
2.82E-09	42.6167
2.92E-09	40.6727
2.92E-09	40.6727
2.03E-09	36.254
2.03E-09	36.254
1.49E-09	33.403
1.49E-09	33.403
8.87E-10	28.597
8.87E-10	28.597
4.44E-10	25.299
1.20E-10	13.579
3.80E-10	0.755
6.91E-10	-6.623
6.91E-10	-6.623
1.39E-09	18.16
1.39E-09	18.16
2.22E-09	24.582
2.22E-09	24.582
4.91E-09	34.4755
4.91E-09	34.4755
9.66E-09	40.2223
9.44E-04	48.3316
1.45E-06	41.5116
1.62E-05	50.9453
4.82E-06	47.9049
0.00E+00	56.2525
2.74E+00	57.4794
0.00E+00	60.6054
0.00E+00	60.1801
0.00E+00	62.1534
1.22E-01	60.6631
1.50E+06	61.4118
1.14E-05	58.9214
2.15E-06	58.9007
1.93E-07	55.5458
6.34E-08	54.7707
4.12E-08	50.8779
1.39E-08	49.5735
1.49E-08	45.6923
1.49E-08	45.6923

5.93E-09	43.1282
3.45E-09	38.396
2.98E-09	35.9
4.75E-15	31
4.75E-15	28.299
0.00E+00	10.703
1.11E-15	-9.576
1.11E-15	-9.576
1.39E-09	17.195
1.39E-09	17.195
6.34E-15	27.274
3.64E-09	33.916
7.61E-09	42.6448
7.83E-09	39.4548
7.83E-09	39.4548
6.12E-09	48.0095
2.81E-06	47.8121
2.00E-03	54.0276
2.11E-01	56.0394
7.45E-01	59.3442
1.94E-01	59.8459
1.03E-03	59.821
0.00E+00	62.2284
5.26E+00	61.649
1.99E-05	61.5904
1.99E-05	61.5904
1.88E-04	62.8984
2.85E-06	61.4315
2.65E-05	61.4095
2.65E-05	61.4095
8.68E-07	61.8404
9.51E-09	59.7927
3.80E-08	59.1699
0.00E+00	56.1113
1.35E-08	55.0611
6.31E-09	51.3504
5.07E-08	51.3504
6.97E-09	50.0026
3.77E-09	45.6432
1.58E-08	45.6432
2.50E-09	43.8734
2.50E-09	43.8734
1.96E-09	39.3
1.96E-09	39.3
1.30E-09	37.036
4.75E-15	32.248
4.75E-15	29.5
1.58E-14	18.397
3.80E-10	8.998
3.80E-10	8.998
3.80E-10	-3.791
3.80E-10	-3.791

6.34E-15	11.439
1.20E-09	22.654
1.20E-09	22.654
1.43E-09	29.37
1.43E-09	29.37
3.30E-09	39.2108
6.40E-09	45.3356
1.66E-02	53.9037
4.06E-03	56.082
0.00E+00	60.2277
7.61E+04	61.1556
0.00E+00	64.4721
0.00E+00	64.2209
0.00E+00	66.7461
1.00E+02	65.5126
0.00E+00	67.0993
2.87E-04	65.1261
6.24E-03	66.0063
6.65E-07	63.7427
9.19E-07	63.4638
2.73E-11	60.6147
3.61E-07	59.9786
1.11E-07	59.6576
1.90E-07	59.1499
8.11E-08	55.2038
4.98E-08	53.9403
4.98E-08	53.9403
2.66E-08	49.863
2.15E-08	48.372
2.15E-08	48.372
1.90E-08	43.901
1.90E-08	43.901
7.61E-09	41.61
7.61E-09	41.61
4.75E-15	36.747
4.75E-15	34.298
0.00E+00	-2.627
9.51E-15	13.46
9.51E-15	13.46
2.38E-15	21.694
6.34E-15	31.624
2.98E-09	38.601
6.21E-09	47.3096
1.01E-07	51.6621
2.58E-06	56.3572
4.50E-05	58.3441
3.80E-04	61.9836
1.84E-05	62.7978
0.00E+00	65.5795
1.45E-03	65.4242
1.45E-03	65.4242
0.00E+00	67.2637

9.73E-06	66.2583
7.07E-03	67.3188
9.85E-07	65.567
7.13E-06	64.8454
7.13E-06	64.8454
5.42E-06	65.7362
1.41E-06	62.9761
1.05E-06	62.875
1.05E-06	62.875
2.09E-07	62.7335
2.09E-07	62.7335
6.18E-07	62.7111
2.09E-07	59.783
1.33E-07	58.9866
5.04E-08	56.0062
3.87E-08	54.1198
3.87E-08	54.1198
2.03E-08	50.976
2.03E-08	50.976
4.02E-08	50.976
1.49E-08	48.577
1.08E-08	44.749
5.96E-09	42.327
5.96E-09	42.327
9.51E-15	36.449
0.00E+00	-6.567
1.58E-14	14.923
1.58E-14	14.923
1.58E-14	25.728
1.58E-14	25.728
1.20E-09	32.8
1.20E-09	32.8
2.66E-09	42.2977
5.77E-09	47.2605
5.77E-09	47.2605
4.53E-06	54.1878
2.82E-06	56.3455
1.36E-08	56.2571
4.44E-09	55.9274
4.12E-09	55.5895
1.05E-03	61.1714
7.32E-05	62.213
2.80E+16	66.0036
6.69E-01	65.9116
0.00E+00	68.8994
0.00E+00	67.8804
0.00E+00	70.0072
1.07E-04	68.418
1.57E-03	67.9794
1.57E-03	67.9794
1.30E+16	69.5647
4.66E-06	67.3269

4.53E-04	67.1689
4.53E-04	67.1689
5.29E-03	68.1314
7.45E-07	65.4103
1.84E-07	65.4103
1.84E-07	65.4103
4.12E-10	65.2148
3.03E-06	65.7089
3.23E-07	62.469
1.81E-07	62.1366
6.59E-08	58.7223
3.33E-08	57.9499
3.33E-08	57.9499
4.66E-08	57.3426
3.15E-08	53.42
3.15E-08	53.42
1.71E-08	51.8448
1.71E-08	51.8448
9.19E-09	46.128
9.19E-09	46.128
4.75E-15	42.457
4.75E-15	36.3
0.00E+00	-4.741
0.00E+00	15.901
0.00E+00	23.986
0.00E+00	34.121
2.22E-09	39.998
2.22E-09	39.998
2.22E-09	39.998
5.32E-09	47.0905
3.68E-09	52.0004
1.03E-06	56.5471
5.01E-06	58.8343
2.89E-05	62.6572
1.08E-03	63.7244
8.94E-03	66.8797
1.29E-04	67.0861
0.00E+00	69.3278
4.02E-05	68.9101
4.02E-05	68.9101
0.00E+00	70.1402
1.61E-03	68.5894
1.26E-09	68.4697
5.55E-04	69.6993
1.54E-05	68.0496
3.01E-07	67.9896
3.01E-07	67.9896
3.99E-06	68.4646
1.03E-06	66.2966
4.18E-07	65.9923
1.61E-07	63.7066
9.03E-08	62.5095

9.03E-08	62.5095
5.32E-08	59.1352
5.32E-08	59.1352
3.87E-08	57.9833
3.87E-08	57.9833
1.90E-08	53.104
1.90E-08	53.104
9.76E-09	49.388
9.76E-09	49.388
2.69E-09	44.106
2.69E-09	44.106
4.75E-15	40.054
4.75E-15	34.353
0.00E+00	-8.374
0.00E+00	17
9.51E-10	27.768
9.51E-10	27.768
1.24E-09	33.729
1.24E-09	33.729
4.09E-15	42.243
4.50E-09	46.91
2.02E-06	54.3499
9.79E-07	56.4146
2.58E-04	61.6244
3.58E-05	62.6578
7.42E-01	66.9798
4.47E-03	67.1006
1.62E-13	67.0138
8.90E-14	66.7027
0.00E+00	70.5631
3.13E-02	69.9077
6.46E-10	69.7097
0.00E+00	72.5859
0.00E+00	71.2975
1.58E-08	71.2308
0.00E+00	73.4224
1.57E-04	71.8564
1.51E-06	71.7167
1.51E-06	71.7167
1.20E+25	73.213
1.29E-03	71.214
1.68E-06	71.0543
1.68E-06	71.0543
1.67E-04	71.8622
6.02E-07	69.4885
1.24E-06	69.3026
1.24E-06	69.3026
9.35E-07	69.5152
2.41E-07	66.3033
2.41E-07	65.6242
1.44E-07	65.624
5.86E-08	60.901

3.00E-08	58.246
3.00E-08	58.246
1.70E-08	53.067
1.70E-08	53.067
4.75E-15	49.844
4.44E-09	44.237
4.44E-09	44.237
9.51E-15	40.138
4.75E-15	33.692
0.00E+00	-6.399
0.00E+00	18.052
0.00E+00	24.964
0.00E+00	33.823
5.70E-10	39.521
4.06E-09	46.981
3.04E-09	51.5023
1.35E-06	56.6478
4.82E-06	58.8992
2.89E-05	63.0867
1.00E-04	64.3431
7.45E-03	67.8943
2.97E-03	68.2298
2.20E-01	70.9567
4.88E-02	70.86
4.88E-02	70.86
0.00E+00	73.0324
5.58E-10	72.7285
2.99E-03	72.2895
4.44E-03	73.9166
3.61E-12	73.4412
1.72E-04	72.8174
1.71E-05	73.6365
2.76E-14	72.8637
4.82E-07	72.1593
1.06E-06	72.5333
6.05E-07	70.324
4.31E-07	70.324
4.25E-07	69.8807
1.03E-07	66.082
1.03E-07	66.082
6.40E-08	63.323
6.40E-08	63.323
2.99E-08	59.15
2.99E-08	59.15
1.77E-08	55.983
1.77E-08	55.983
9.51E-15	51.288
9.51E-15	51.288
9.51E-15	47.143
4.75E-15	41.451
4.75E-15	36.859
9.51E-15	30.926

1.58E-09	32.919
1.05E-09	41.722
4.21E-09	46.491
4.21E-09	46.491
1.12E-06	54.2148
8.68E-07	56.3015
8.68E-07	56.3015
7.83E-05	62.0462
9.00E-06	63.1163
2.30E-02	67.8944
8.14E-04	68.2176
7.57E-05	68.1919
7.57E-05	68.1919
0.00E+00	72.2127
3.26E-01	72.169
0.00E+00	75.252
0.00E+00	74.5996
5.51E-07	74.4377
0.00E+00	77.0261
2.95E+05	75.9176
7.45E-06	75.8218
7.45E-06	75.8218
0.00E+00	77.7599
3.52E-05	76.3895
1.09E-04	76.2865
1.09E-04	76.2865
9.09E+19	77.594
4.25E-05	75.3407
2.22E-06	75.1122
5.89E-06	75.9518
1.00E-06	72.4283
4.85E-07	70.5406
1.74E-07	66.5819
1.74E-07	66.5819
4.85E-08	63.8781
4.85E-08	63.8781
1.30E-08	59.196
1.30E-08	59.196
4.75E-15	55.927
8.56E-09	50.338
8.56E-09	50.338
9.51E-15	46.649
4.75E-15	40.716
4.75E-15	36.803
0.00E+00	32.798
3.80E-14	38.642
7.61E-16	46.476
2.51E-09	51.426
6.97E-08	49.1337
6.78E-07	57.0633
2.49E-06	59.0152
3.36E-07	58.9143

3.36E-07	58.9143
6.46E-06	63.6289
4.82E-05	65.3061
8.75E-05	65.2921
1.84E-04	69.139
1.85E-03	70.2892
4.15E-08	70.1862
4.15E-08	70.1862
6.50E-03	73.2349
8.14E-06	73.129
1.23E-05	73.4523
1.23E-05	73.4523
3.77E-12	73.2715
0.00E+00	76.0685
1.54E-07	75.8609
3.36E-05	75.8895
3.36E-05	75.8895
5.04E-04	75.8037
0.00E+00	77.9748
4.02E-03	77.4965
1.17E-05	77.4506
1.17E-05	77.4506
2.74E-04	79.0089
6.05E-05	77.7993
1.14E-05	77.4793
5.51E-06	78.6103
1.75E-06	75.6396
1.77E-06	73.8569
1.77E-06	73.8569
5.17E-07	70.7321
5.17E-07	70.7321
1.68E-13	70.462
1.39E-07	68.5716
1.39E-07	68.5716
6.05E-08	64.6199
6.05E-08	64.6199
1.71E-08	61.5083
1.71E-08	61.5083
1.09E-08	56.5801
1.09E-08	56.5801
3.23E-09	53.049
3.23E-09	53.049
2.22E-09	47.804
2.22E-09	47.804
4.75E-15	43.901
4.75E-15	38.629
4.75E-15	34.652
1.01E-09	32.435
1.65E-09	41.676
1.65E-09	41.676
3.17E-09	46.9233
3.17E-09	46.9233

5.42E-07	53.9409
8.65E-07	56.5518
8.65E-07	56.5518
2.19E-05	62.3315
8.14E-06	64.3236
1.69E-03	69.0143
1.41E-04	70.1694
2.30E+20	74.1797
3.99E-03	74.4427
1.58E-06	74.3129
0.00E+00	77.8925
2.29E+05	77.694
4.15E-07	77.5034
4.15E-07	77.5034
0.00E+00	80.5895
0.00E+00	79.9817
2.09E-04	79.9401
0.00E+00	82.431
1.07E+01	81.4803
5.10E-04	81.1753
5.10E-04	81.1753
0.00E+00	83.2656
1.45E-04	80.7094
3.23E-04	79.6921
5.99E-06	76.7266
1.02E-06	74.9698
2.72E-07	71.3103
5.83E-08	68.785
5.83E-08	68.785
4.09E-08	64.0175
4.09E-08	64.0175
6.72E-09	61.143
6.72E-09	61.143
3.61E-09	56.039
3.61E-09	56.039
2.54E-09	53.03
2.54E-09	53.03
2.00E-09	47.916
2.00E-09	47.916
1.46E-09	44.796
1.46E-09	44.796
1.27E-09	39.495
1.27E-09	39.495
4.75E-15	36.198
0.00E+00	32.304
3.80E-14	38.117
9.51E-16	46.052
9.51E-16	46.052
2.06E-09	51.917
6.02E-07	57.2217
1.16E-06	60.4798
1.16E-06	60.4798

7.16E-06	64.8245
3.36E-05	66.9362
1.09E-05	66.8332
1.09E-05	66.8332
4.34E-05	70.8034
1.06E-06	72.1729
5.23E-04	75.4548
5.80E-05	75.3685
5.80E-05	75.3685
2.42E-06	76.1882
7.38E-04	76.1192
7.38E-04	76.1192
2.36E-01	79.0748
9.06E-02	79.75
9.06E-02	79.75
3.87E-05	79.2864
0.00E+00	82.1673
5.10E-02	82.747
5.10E-02	82.747
1.93E-06	82.1909
1.93E-06	82.1909
4.98E+10	84.5978
3.39E-05	82.609
2.88E-05	81.7125
5.01E-06	79.3617
8.18E-06	79.2548
8.18E-06	79.2548
1.85E-06	77.7453
1.42E-07	74.772
1.42E-07	74.772
1.85E-07	72.6175
1.85E-07	72.6175
8.56E-08	68.5534
8.56E-08	68.5534
1.20E-08	65.8539
1.20E-08	65.8539
6.43E-09	61.2246
6.43E-09	61.2246
5.39E-09	58.3563
5.39E-09	58.3563
3.61E-09	54.2216
3.61E-09	54.2216
3.61E-09	54.2216
3.04E-09	53.9516
1.59E-09	50.8789
1.59E-09	50.8789
1.62E-09	46.696
1.62E-09	46.696
1.62E-09	46.696
1.01E-09	43.5972
1.01E-09	43.5972
1.17E-09	38.312

1.17E-09	38.312
7.92E-10	31.699
7.92E-10	31.699
3.80E-14	40.697
2.79E-09	46.6217
2.79E-09	46.6217
2.50E-07	54.2439
2.50E-07	54.2439
2.85E-07	57.8041
2.85E-07	57.8041
4.75E-06	63.1739
4.28E-06	65.4766
2.02E-04	70.3082
4.25E-05	71.5277
7.00E-02	76.0084
3.71E-03	76.7954
1.57E-07	76.5363
0.00E+00	80.6438
1.77E-01	81.1026
1.29E-04	80.8636
1.29E-04	80.8636
0.00E+00	84.5236
0.00E+00	84.8804
3.20E-04	84.4919
3.20E-04	84.4919
0.00E+00	87.9217
1.38E-01	86.2091
2.89E+01	85.9416
1.10E-03	83.6453
3.04E-04	82.8677
1.41E-05	80.0846
2.39E-06	78.8404
7.57E-07	75.1168
3.39E-08	72.939
1.36E-08	68.7881
1.36E-08	68.7881
2.07E-08	66.6457
2.07E-08	66.6457
8.52E-09	62.1857
8.52E-09	62.1857
6.40E-09	60.2193
6.40E-09	60.2193
3.74E-09	55.4072
3.74E-09	55.4072
2.19E-09	53.0775
2.19E-09	53.0775
4.75E-15	47.553
9.51E-15	44.404
4.75E-15	38.582
6.34E-15	38.704
6.34E-15	38.704
1.90E-09	46.905

1.90E-09	46.905
1.58E-09	52.527
1.81E-07	52.527
4.69E-07	58.3566
4.69E-07	58.3566
9.54E-07	61.2178
9.54E-07	61.2178
1.52E-07	60.9893
1.52E-07	60.9893
1.49E-13	60.9052
2.23E-06	66.0173
2.63E-07	68.1924
1.35E-05	72.3266
5.42E-06	72.2646
5.42E-06	72.2646
1.46E-07	74.1579
7.51E-05	74.1579
3.06E-04	77.8421
5.55E-04	77.8221
5.55E-04	77.8221
1.68E-03	79.2836
9.13E-05	79.0653
9.13E-05	79.0653
9.09E-03	83.0187
1.52E-03	82.6379
1.52E-03	82.6379
2.92E-01	84.2991
4.44E-10	83.6246
0.00E+00	87.7018
4.85E-07	86.7928
7.32E-03	86.4875
3.64E-04	85.8058
3.64E-04	85.8058
1.60E-01	86.345
9.44E-05	85.7894
9.44E-05	85.7894
4.02E-04	84.8133
1.16E-03	84.2232
2.60E-08	83.4645
3.55E-05	82.3485
1.96E-05	81.2071
1.69E-07	78.3467
3.04E-07	78.3467
1.19E-07	76.2577
1.19E-07	76.2577
3.71E-08	75.5897
3.71E-08	75.5897
3.71E-08	75.5897
4.50E-09	72.7347
4.50E-09	72.7347
1.74E-08	72.4674
1.74E-08	72.4674

6.34E-08	72.0574
6.34E-08	72.0574
6.34E-08	72.0574
4.66E-08	70.2009
4.66E-08	70.2009
2.73E-13	68.0593
2.33E-08	67.2943
2.33E-08	67.2943
2.98E-08	67.2943
1.43E-08	64.9122
1.43E-08	64.9122
9.51E-09	61.8925
9.51E-09	61.8925
1.14E-08	61.8925
1.14E-08	61.8925
7.29E-09	58.936
7.29E-09	58.936
5.70E-09	54.912
5.70E-09	54.912
9.51E-15	51.353
4.75E-15	46.77
9.51E-10	42.718
6.34E-10	37.744
6.34E-10	37.744
6.34E-15	41.703
6.34E-15	41.703
1.77E-09	47.357
1.77E-09	47.357
1.46E-07	55.517
1.46E-07	55.517
1.74E-07	58.4885
1.74E-07	58.4885
1.01E-06	64.192
1.32E-06	66.4586
1.32E-06	66.4586
4.91E-05	71.492
1.50E-05	73.1491
3.45E-07	72.8571
3.45E-07	72.8571
1.88E-03	77.8044
1.92E-04	79.3482
4.44E-07	79.0124
2.28E-01	83.6231
8.94E-03	84.8689
7.92E-06	84.2811
7.92E-06	84.2811
0.00E+00	88.7673
2.56E-08	86.4483
0.00E+00	87.8904
1.38E-13	84.7231
0.00E+00	88.4539
1.53E+06	87.117

0.00E+00	87.2668
1.75E-01	85.6578
3.90E+20	85.4428
1.91E-03	82.9466
9.73E-07	81.2869
6.65E-08	77.7685
2.25E-07	76.6043
7.29E-08	73.4572
9.19E-08	71.7425
4.12E-08	68.372
3.80E-08	66.341
1.90E-08	62.364
4.75E-15	59.699
4.75E-09	55.191
2.54E-09	52.201
2.54E-09	52.201
4.75E-15	47.283
4.75E-15	47.283
4.75E-15	43.901
2.54E-08	47.478
2.54E-08	47.478
2.54E-08	47.478
1.58E-09	52.974
1.30E-07	58.9586
3.01E-07	61.879
3.01E-07	61.879
6.62E-07	67.1491
1.77E-06	69.8264
2.79E-06	69.8264
7.13E-06	74.1832
4.94E-06	74.1794
2.77E-05	76.0731
1.48E-05	76.0731
2.32E-04	80.6504
1.25E-04	80.6154
1.67E-03	82.6563
2.00E-12	82.5339
5.96E-07	82.5316
1.96E-10	82.2743
6.81E+02	86.6324
1.67E-01	86.5278
1.67E-01	86.5278
1.19E-13	84.5981
3.49E+07	86.4483
3.49E+07	86.4483
2.78E-02	86.3128
0.00E+00	87.2083
1.61E+01	87.1775
2.03E+04	86.3645
1.19E-05	86.3235
1.19E-05	86.3235
9.57E-02	86.7819

9.89E-03	86.5462
9.89E-03	86.5462
2.66E-03	85.6037
1.37E-04	85.6056
1.86E-06	84.8626
9.06E-08	83.5285
9.76E-05	83.4445
9.76E-05	83.4445
4.75E-07	82.327
4.94E-06	81.9616
4.94E-06	81.9616
4.75E-08	79.9393
9.47E-08	79.4393
2.25E-07	78.9422
4.12E-08	76.3475
1.36E-07	76.3475
4.75E-08	75.317
1.55E-07	72.2237
1.55E-07	72.2237
2.98E-08	72.0087
2.98E-08	72.0087
9.35E-08	70.8527
9.35E-08	70.8527
3.23E-08	67.096
3.23E-08	67.096
1.05E-08	64.916
6.12E-09	60.696
6.12E-09	60.696
6.02E-09	58.097
6.02E-09	58.097
5.39E-09	53.617
5.39E-09	53.617
2.54E-09	50.627
4.75E-15	45.802
9.51E-10	42.197
1.90E-10	47.748
1.17E-07	55.806
1.01E-07	59.103
1.01E-07	59.103
6.21E-07	64.5564
4.44E-07	67.6949
4.44E-07	67.6949
1.52E-05	72.7001
4.02E-06	75.0039
6.02E-09	74.6164
6.34E-04	80.1673
2.94E-05	82.2042
2.05E-06	81.5512
2.05E-06	81.5512
0.00E+00	86.805
3.99E+03	86.8035
7.83E-04	84.3786

7.83E-04	84.3786
0.00E+00	88.4097
0.00E+00	87.7075
0.00E+00	88.7905
0.00E+00	87.5404
0.00E+00	88.1117
7.54E-03	85.9658
7.80E+18	86.1843
2.78E-05	83.5112
2.15E-05	83.5575
2.14E-06	80.847
1.90E-06	80.3287
1.13E-06	77.3377
2.66E-07	76.2551
1.11E-07	72.9429
3.45E-08	71.303
1.68E-08	67.245
8.56E-09	65.456
6.34E-09	61.097
4.75E-15	58.833
3.17E-09	54.138
2.54E-09	51.307
1.90E-09	46.305
1.90E-09	46.305
1.58E-08	47.665
1.71E-09	53.207
3.52E-14	51.762
6.97E-08	59.122
1.84E-07	62.71
2.03E-07	62.71
4.06E-07	67.844
4.09E-07	67.7814
4.09E-07	67.7814
2.76E-07	71.2066
1.56E-06	70.7066
5.96E-06	75.9842
6.27E-06	75.8449
6.27E-06	75.8449
8.08E-06	78.9346
3.14E-04	83.6025
8.27E-05	83.2107
8.27E-05	83.2107
3.23E-13	81.4173
5.58E-04	84.154
9.89E-05	84.079
9.89E-05	84.079
2.28E-03	86.0169
1.67E-01	85.978
1.67E-01	85.978
1.17E-02	85.8173
9.79E-05	85.7833
9.79E-05	85.7833

4.21E+06	87.2201
2.50E-01	87.1231
2.50E-01	87.1231
4.21E+06	86.4278
2.11E+05	87.3231
6.84E-04	87.1804
6.84E-04	87.1804
5.01E-07	86.0162
5.01E-07	86.0162
2.70E-05	86.3358
2.02E-11	86.1283
1.67E-07	84.5657
8.27E-06	84.5657
8.27E-06	84.5657
1.72E-06	84.597
3.49E-05	82.4862
1.44E-05	82.2877
1.13E-06	79.7751
6.72E-07	79.1029
1.64E-07	75.9529
2.73E-08	74.5357
2.73E-08	74.5357
2.92E-08	70.9608
2.92E-08	70.9608
9.19E-09	69.2167
9.19E-09	69.2167
9.19E-09	65.9996
9.19E-09	65.9996
5.39E-09	63.724
5.39E-09	63.724
4.75E-09	59.727
4.75E-09	59.727
3.17E-09	57.11
3.17E-09	57.11
2.85E-09	52.751
1.27E-09	49.854
4.75E-15	45.196
4.75E-14	47.339
3.80E-08	55.647
3.80E-08	55.647
4.75E-08	59.513
4.75E-08	59.513
3.71E-07	65.307
2.50E-07	68.658
2.41E-07	68.658
2.41E-07	68.658
2.41E-07	68.658
6.94E-06	74.408
1.89E-06	77.2655
3.42E-07	76.5311
3.42E-07	76.5311
3.42E-07	76.5311

9.85E-05	82.5679
1.87E-04	83.4498
0.00E+00	86.0721
7.64E-03	86.1122
0.00E+00	88.2245
0.00E+00	87.617
0.00E+00	89.219
0.00E+00	87.9497
0.00E+00	89.098
1.07E-01	87.2588
5.36E-11	87.0206
0.00E+00	88.0889
5.07E-04	85.9277
1.02E+00	86.3221
7.13E-06	83.9229
8.65E-06	83.6729
1.09E-06	80.8507
3.68E-07	79.9818
6.72E-08	76.6657
5.55E-08	75.4836
2.54E-08	72.2027
1.62E-08	72.0727
1.62E-08	72.0727
1.68E-08	70.532
2.34E-08	66.4284
2.34E-08	66.4284
1.27E-08	64.45
9.51E-09	60.007
4.75E-15	57.92
4.75E-15	53.244
4.75E-15	50.943
4.75E-14	47.658
3.80E-10	53.216
3.17E-08	53.216
4.66E-08	59.103
4.63E-08	59.103
1.58E-08	63.36
1.48E-07	63.36
3.77E-07	69.173
8.18E-07	72.938
2.24E-06	72.938
9.54E-06	78.3398
3.74E-06	77.7968
3.74E-06	77.7968
1.88E-05	79.6794
2.87E-06	79.6274
2.87E-06	79.6274
5.83E-05	82.5892
8.78E-05	82.3302
8.78E-05	82.3302
1.66E-05	83.1748
6.84E-06	83.1748

6.84E-06	83.1748
4.40E-02	85.5744
5.36E-04	85.5101
5.36E-04	85.5101
2.37E-03	85.5842
8.75E-06	85.5842
8.75E-06	85.5842
3.30E+00	87.408
1.19E-02	87.2507
1.19E-02	87.2507
5.67E-01	86.775
5.67E-01	86.775
2.90E+00	86.6342
2.90E+00	86.6342
0.00E+00	88.0222
1.07E-04	87.9824
1.34E-06	86.9498
1.34E-06	86.9498
8.24E-06	86.8208
8.24E-06	86.8208
4.02E-03	87.8456
1.36E-06	87.7158
9.44E-07	86.3615
2.49E-04	86.2245
4.12E-05	86.8633
5.32E-07	85.0193
1.14E-05	85.0193
2.54E-06	85.0107
1.01E-07	82.7759
9.03E-07	82.7759
3.49E-07	82.3572
1.09E-07	79.7413
2.13E-07	79.7413
8.87E-08	78.6827
5.86E-08	75.6317
5.86E-08	75.6317
3.14E-08	74.2084
2.15E-08	70.7358
1.81E-08	70.5858
1.39E-08	68.949
9.51E-09	65.139
4.75E-15	63.239
4.75E-15	59.234
4.75E-15	57.082
1.58E-09	52.9
3.17E-14	47.403
2.22E-08	55.498
4.12E-08	59.699
4.12E-08	59.699
2.95E-07	59.699
2.95E-07	59.699
2.85E-07	66.35

3.17E-07	70.151
4.21E-07	68.151
4.21E-07	68.151
4.21E-07	68.151
3.87E-06	76.2294
5.89E-06	77.7992
3.36E-05	81.2999
4.06E-05	82.1877
9.95E-03	85.2262
9.66E-04	85.428
0.00E+00	87.9251
4.66E-02	87.4791
0.00E+00	89.39
0.00E+00	88.4128
0.00E+00	89.9025
6.50E+06	88.3676
6.75E-07	88.153
0.00E+00	89.5243
1.56E-03	87.6066
8.94E-06	87.4176
0.00E+00	88.3492
4.44E-05	86.0042
6.27E-04	85.832
6.27E-04	85.832
2.40E-03	86.3364
2.95E-06	83.692
3.17E-06	83.692
9.51E-09	83.6109
4.59E-06	83.4967
7.92E-07	80.403
1.58E-06	80.3138
1.58E-06	80.3138
3.74E-07	79.9607
1.36E-07	76.5303
6.05E-10	76.3271
6.02E-08	75.4656
2.92E-08	71.623
1.58E-08	70.1491
4.75E-15	66.257
4.75E-15	64.692
4.75E-15	64.692
4.75E-15	60.612
6.34E-09	58.796
4.75E-14	46.78
4.75E-14	46.78
8.24E-10	53.3
8.24E-10	53.3
1.49E-08	53.3
1.49E-08	53.3
1.87E-08	53.3
1.87E-08	53.3
6.34E-08	60.1

6.34E-08	60.1
1.39E-07	64.571
1.39E-07	64.571
2.19E-07	64.571
2.19E-07	64.571
8.21E-07	70.8192
1.51E-06	73.0606
1.51E-06	73.0606
3.93E-06	76.7577
3.33E-07	76.2516
3.83E-06	78.1484
4.25E-06	78.1329
4.25E-06	78.1329
2.11E-05	81.2242
9.82E-08	80.9501
2.45E-05	82.2649
1.46E-05	82.2556
1.46E-05	82.2556
1.25E-04	84.7914
1.81E-07	84.6569
1.32E-04	85.1114
6.37E-05	85.1045
6.37E-05	85.1045
1.13E-01	87.068
1.38E-05	87.0425
4.56E-05	86.9373
4.56E-05	86.9373
2.27E-02	86.8474
0.00E+00	88.4017
1.41E-06	88.3086
4.50E-06	87.6018
4.50E-06	87.6018
4.37E+02	87.4924
4.37E+02	87.4924
0.00E+00	88.7227
1.20E-06	88.6347
7.80E-07	87.4606
7.80E-07	87.4606
6.84E-01	87.343
6.84E-01	87.343
2.04E-02	88.2207
2.05E-06	88.1609
2.05E-06	88.1609
3.58E-04	86.6245
6.12E-04	87.0327
2.18E-06	86.9892
2.18E-06	86.9892
1.46E-07	84.9488
4.75E-11	84.7498
3.80E-05	84.987
5.70E-07	84.9458
5.70E-07	84.9458

5.10E-06	82.5677
2.73E-07	82.4858
2.73E-07	82.4858
2.31E-06	82.2653
1.69E-07	82.2367
1.69E-07	82.2367
1.19E-07	79.5656
6.34E-08	79.4376
6.34E-08	79.4376
6.65E-08	78.5575
1.90E-07	78.5575
3.90E-08	75.6491
3.90E-08	75.6491
1.27E-08	75.4461
1.27E-08	75.4461
2.50E-08	74.6611
2.50E-08	74.6611
1.68E-08	71.231
1.68E-08	71.231
4.75E-08	71.151
4.75E-08	71.151
9.51E-09	69.955
9.51E-09	69.955
5.45E-09	66.471
5.45E-09	66.471
5.26E-09	64.804
5.26E-09	64.804
3.39E-09	61.013
3.39E-09	61.013
2.50E-09	58.898
1.84E-09	54.8
1.84E-09	54.8
1.46E-09	52.452
1.46E-09	52.452
5.07E-09	52.452
5.07E-09	52.452
1.58E-09	46.157
1.58E-10	46.696
1.58E-10	46.696
3.17E-08	56.104
8.87E-08	60.603
8.87E-08	60.603
2.92E-07	67.6306
2.92E-07	67.6306
5.07E-07	69.853
5.07E-07	69.853
5.07E-07	69.853
1.56E-06	74.2498
2.59E-06	75.7477
1.05E-05	79.6779
1.39E-05	80.6495
1.10E-04	83.9747

1.06E-04	84.3301
2.60E+17	87.1325
7.42E-04	86.9848
1.00E+18	89.2523
1.26E+00	88.5084
0.00E+00	90.353
0.00E+00	89.2575
9.22E-05	88.8613
0.00E+00	90.5805
7.70E+15	89.0493
1.41E+01	88.7858
1.41E+01	88.7858
6.40E+18	90.0209
6.08E-03	88.0905
1.22E-01	87.9095
3.10E+19	88.7194
2.84E-04	86.4253
3.83E-04	86.2889
9.57E-05	86.7086
5.10E-06	83.9075
4.18E-06	83.761
1.61E-06	83.9741
4.28E-07	81.0611
2.63E-07	80.8462
1.66E-07	80.7303
6.65E-08	77.3112
5.77E-08	76.9947
5.77E-08	76.9947
3.96E-08	76.7107
2.06E-08	73.3585
1.52E-08	73.3085
1.63E-08	72.3274
1.17E-08	68.5171
8.87E-09	67.289
8.56E-09	63.202
5.13E-09	61.57
5.13E-09	61.57
2.15E-09	55.266
2.15E-09	55.266
3.07E-09	50.72
3.07E-09	50.72
1.58E-10	47.003
1.58E-10	47.003
1.01E-09	53.896
3.80E-08	53.896
9.51E-08	61.274
1.87E-07	64.1698
1.87E-07	64.1698
4.78E-07	68.614
4.78E-07	68.614
7.38E-07	70.7095
7.38E-07	70.7095

2.06E-06	74.5995
1.08E-06	73.9678
1.08E-06	73.9678
3.42E-06	76.1066
4.98E-07	76.0131
4.98E-07	76.0131
9.63E-06	79.4811
1.52E-06	78.807
1.18E-05	80.6065
9.89E-06	80.5775
6.15E-05	83.5596
1.60E-06	82.8811
1.10E-04	84.1156
7.54E-05	84.0858
4.78E-04	86.4887
2.55E-06	85.8386
6.62E-09	84.3869
5.58E-04	86.475
1.32E-04	86.4129
7.67E-03	88.3957
1.46E-05	87.8587
2.85E-05	87.9961
2.85E-05	87.9961
3.90E-05	87.8395
0.00E+00	89.3696
1.89E-04	88.9779
2.28E-06	88.5722
2.28E-06	88.5722
1.36E-01	88.3819
1.36E-01	88.3819
1.37E-09	88.0703
4.40E+14	89.5366
5.10E-04	89.2004
5.10E-04	89.2004
4.47E-07	88.25
4.47E-07	88.25
1.03E-04	88.1227
6.91E-08	87.9603
8.21E-05	88.945
2.21E-04	88.6297
2.21E-04	88.6297
1.58E-07	87.2303
8.46E-06	87.1703
2.69E-07	87.0303
2.69E-07	87.0303
4.56E-06	87.7045
3.42E-05	87.3931
3.42E-05	87.3931
9.76E-08	85.7351
1.50E-06	85.7351
1.46E-06	85.6651
7.32E-07	85.8411

7.38E-06	85.5281
7.38E-06	85.5281
4.75E-08	83.5774
3.26E-07	83.5374
3.42E-07	83.2874
1.96E-07	83.4262
1.50E-06	83.099
9.85E-08	80.8767
1.17E-07	80.8267
7.48E-08	80.4805
3.87E-07	80.1204
4.85E-08	77.8134
5.20E-08	77.7114
3.45E-08	76.9851
3.45E-08	76.9851
1.16E-07	76.5231
1.16E-07	76.5231
2.66E-08	74.359
2.66E-08	74.359
2.28E-08	74.019
2.28E-08	74.019
1.93E-08	72.9388
1.93E-08	72.9388
3.90E-08	72.5588
3.90E-08	72.5588
3.90E-08	72.5588
9.19E-09	69.8899
9.19E-09	69.8899
1.71E-08	69.8399
1.71E-08	69.8399
1.71E-08	69.4899
1.71E-08	69.4899
8.87E-09	68.1371
8.87E-09	68.1371
1.11E-08	67.7741
1.11E-08	67.7741
1.11E-08	67.7741
1.01E-08	63.8671
1.01E-08	63.8671
1.01E-08	63.8671
6.56E-09	62.4192
6.56E-09	62.4192
5.23E-09	57.93
5.23E-09	57.93
4.44E-09	52.024
4.44E-09	52.024
2.92E-09	47.199
2.92E-09	47.199
1.58E-10	47.199
1.58E-10	47.199
2.98E-08	56.7798
2.98E-08	56.7798

9.51E-08	59.56
9.51E-08	59.56
1.43E-07	64.9295
2.22E-07	66.974
2.22E-07	66.974
6.59E-07	71.5916
1.08E-06	73.2625
1.08E-06	73.2625
3.64E-06	77.4252
5.51E-06	78.5768
1.96E-05	82.041
3.42E-05	82.6392
4.69E-04	85.8439
6.72E-05	85.9448
3.96E-13	85.6901
0.00E+00	88.6613
3.15E-01	88.333
4.06E-05	88.2556
4.06E-05	88.2556
0.00E+00	90.5609
0.00E+00	90.036
1.03E-13	89.4232
5.04E-12	89.3224
0.00E+00	91.5281
0.00E+00	90.4
3.77E-02	90.0854
0.00E+00	91.6561
0.00E+00	90.0684
8.02E-01	89.9789
0.00E+00	91.1051
3.08E-03	89.2041
4.40E+01	89.1978
4.40E+01	89.1978
0.00E+00	89.946
3.55E-01	87.8205
7.61E-05	87.7959
0.00E+00	88.2367
1.43E-12	85.5801
2.64E-02	85.8985
1.81E-05	85.871
2.30E+05	86.0204
2.40E-04	83.4991
7.86E-06	83.4944
1.12E-04	83.3346
2.06E-07	81.2431
4.25E-06	80.5938
1.31E-05	80.5586
1.31E-05	80.5586
7.07E-06	80.1389
3.23E-06	78.192
1.77E-06	77.3142
1.85E-06	77.0722

1.85E-06	77.0722
1.26E-06	76.5542
6.43E-14	71.7057
4.59E-08	70.9526
4.59E-08	70.9526
3.33E-08	66.7958
3.33E-08	66.7958
1.68E-08	60.799
1.68E-08	60.799
7.92E-09	56.504
7.92E-09	56.504
6.02E-09	50.31
6.02E-09	50.31
4.75E-14	56.178
1.39E-08	59.176
1.39E-08	59.176
1.39E-08	59.176
3.55E-08	63.8201
3.55E-08	63.8201
1.90E-08	66.33
1.27E-07	70.654
2.34E-07	72.507
5.48E-07	76.2592
7.29E-07	77.544
2.38E-06	80.8881
1.63E-06	81.6007
1.27E-05	84.4197
6.62E-06	84.5154
6.12E-05	87.0034
1.96E-16	85.7032
5.04E-15	84.2071
1.30E-16	83.3438
3.00E-05	86.8212
1.15E-04	86.4382
3.20E-04	88.6448
3.20E-04	88.6448
1.12E-11	85.514
6.84E-06	87.9994
5.70E-04	87.7494
4.34E-03	89.4774
2.69E-08	86.6357
3.02E-05	88.4245
1.58E-02	88.4245
0.00E+00	89.5951
7.45E-03	88.3302
7.45E-03	88.3302
1.68E-11	88.1927
7.95E-06	88.1666
0.00E+00	89.2241
1.64E-01	87.6203
2.95E-06	87.6094
2.95E-06	87.6094

3.83E-05	87.5835
2.76E+00	88.2555
3.39E-02	86.3984
3.64E-05	86.3807
3.64E-05	86.3807
3.49E-07	86.358
1.06E-02	86.7001
1.03E-03	84.6085
1.98E-05	84.6085
1.98E-05	84.6085
5.01E-04	84.6277
3.36E-05	82.7767
3.36E-05	82.7767
7.51E-05	82.2916
1.20E-05	82.2868
4.37E-05	81.988
5.29E-06	79.6736
7.80E-06	79.6736
4.75E-06	78.9426
9.51E-14	74.5781
5.07E-13	74.4156
2.47E-08	74.1658
3.20E-07	74.1658
3.20E-07	74.1658
3.17E-17	70.3908
5.32E-08	69.7076
5.32E-08	69.7076
2.92E-08	64.879
2.92E-08	64.879
1.81E-14	64.879
4.75E-15	60.258
4.75E-15	60.258
9.51E-15	55.154
9.51E-15	55.154
4.75E-15	50.319
3.17E-14	52.499
3.17E-14	52.499
2.22E-12	58.2144
9.82E-11	60.541
9.82E-11	60.541
6.65E-08	65.7219
6.65E-08	65.7219
6.65E-08	65.7219
1.46E-07	67.612
1.46E-07	67.612
1.46E-07	67.612
1.46E-07	67.612
5.89E-07	72.2771
5.89E-07	72.2771
6.12E-07	73.4849
6.12E-07	73.4849
3.80E-06	77.3013

3.23E-06	78.347
2.89E-05	81.8886
1.10E-05	82.0628
1.27E-05	82.0428
1.27E-05	82.0428
2.38E-13	81.7828
2.84E-04	85.269
1.18E-04	85.0969
1.18E-04	85.0969
3.26E-09	84.8008
1.64E-02	87.721
1.83E-03	87.1844
1.83E-03	87.1844
1.29E-02	86.9234
1.29E-02	86.9234
1.29E-02	86.9234
2.20E+16	89.4046
5.26E-02	88.5511
4.21E-01	88.2571
4.21E-01	88.2571
0.00E+00	90.314
9.19E+16	89.1719
3.26E-01	88.9244
0.00E+00	90.5245
0.00E+00	89.0222
1.57E-01	88.8774
0.00E+00	90.0646
1.07E-03	88.2811
2.99E-01	88.1928
2.99E-01	88.1928
8.81E+18	88.9921
1.32E-04	87.0032
9.19E-02	86.8977
9.19E-02	86.8977
5.01E+23	87.3514
4.75E-05	85.2095
3.42E-03	85.0275
3.42E-03	85.0275
8.78E-03	85.1822
8.90E-13	83.2567
1.17E-13	82.4589
2.38E-05	82.9446
1.05E-04	82.6103
1.05E-04	82.6103
7.95E-05	82.5595
5.20E-15	80.8682
6.02E-07	77.8276
5.58E-07	74.4252
5.58E-07	74.4252
7.89E-08	69.5612
7.89E-08	69.5612
4.44E-08	65.931

4.44E-08	65.931
4.75E-15	60.799
4.75E-15	60.799
4.75E-15	56.961
4.75E-15	56.961
4.75E-15	51.558
4.75E-15	51.558
4.75E-15	47.432
1.14E-09	52.652
1.14E-09	52.652
1.14E-09	52.652
3.26E-12	57.6134
2.06E-08	60.321
2.06E-08	60.321
2.06E-08	60.321
2.06E-08	60.321
2.06E-08	60.321
7.92E-08	64.947
7.92E-08	64.947
1.08E-07	67.096
1.08E-07	67.096
2.09E-07	71.1283
2.09E-07	71.1283
6.65E-08	72.796
6.65E-08	72.796
1.96E-07	72.5301
1.96E-07	72.5301
2.47E-06	76.3378
9.22E-08	77.4923
4.21E-06	80.4345
2.60E-05	80.971
1.62E-05	80.8671
1.62E-05	80.8671
3.64E-05	83.7655
1.55E-04	83.7896
1.01E-04	83.4696
2.42E-04	86.2873
6.91E-06	86.08
1.51E-03	87.9433
1.14E-02	87.365
1.63E-01	88.8364
3.55E-02	87.9105
3.55E-02	87.9105
0.00E+00	88.9831
4.75E-05	87.7379
4.75E-05	87.7379
1.57E+07	88.5034
1.41E-03	86.9324
1.68E-05	86.8924
1.68E-05	86.8924
2.20E-02	87.4444
2.62E-04	85.6999
1.58E-04	85.5799

1.58E-04	85.5799
2.37E-03	85.8866
2.85E-07	84.2524
9.98E-05	84.0725
6.69E-06	83.756
6.69E-06	83.756
7.51E-04	83.7896
2.64E-06	79.4993
1.49E-06	78.8593
7.76E-07	76.5028
7.76E-07	76.5028
1.97E-07	72.3309
1.97E-07	72.3309
7.22E-08	68.8379
7.22E-08	68.8379
2.73E-08	64.273
2.73E-08	64.273
1.36E-08	60.519
1.36E-08	60.519
6.34E-09	55.722
4.75E-15	51.642
9.51E-15	46.584
3.33E-09	51.9046
6.34E-09	51.9046
2.34E-08	54.397
2.34E-08	54.397
8.56E-08	59.9667
8.56E-08	59.9667
8.68E-08	62.0923
8.68E-08	62.0923
8.68E-08	62.0923
8.68E-08	62.0923
3.17E-07	67.0859
5.70E-07	68.6568
5.70E-07	68.6568
5.70E-07	68.6568
1.87E-06	73.0468
1.93E-06	74.1854
1.93E-06	74.1854
7.22E-06	78.0791
1.10E-05	78.7944
7.61E-05	82.1724
7.64E-05	82.4728
2.29E-03	85.355
2.37E-04	85.2486
1.10E+17	87.6601
1.93E-03	87.1921
1.80E-06	86.9395
0.00E+00	89.1685
9.95E-02	88.3208
2.19E-06	88.0237
0.00E+00	89.86

0.00E+00	88.6974
2.43E-02	88.4613
0.00E+00	89.8817
0.00E+00	88.4152
3.26E-02	88.2512
0.00E+00	89.2805
2.66E-10	86.5283
1.44E-02	87.6436
5.99E-03	87.4104
5.80E+22	88.1245
9.19E-09	86.159
1.04E-03	86.417
2.91E-05	85.8904
2.91E-05	85.8904
2.40E+21	86.4251
7.26E-06	82.3793
2.68E-05	80.1509
1.26E-06	75.6439
4.31E-07	72.991
5.48E-08	68.3269
5.48E-08	68.3269
3.96E-08	65.4751
3.96E-08	65.4751
1.62E-08	60.445
1.62E-08	60.445
1.23E-08	57.278
1.23E-08	57.278
5.96E-09	52.098
5.96E-09	52.098
4.63E-09	48.671
4.63E-09	48.671
#VALUE!	0.259
3.17E-09	43.259
1.58E-11	46.294
5.29E-13	51.7042
5.29E-13	51.7042
1.81E-08	54.539
1.81E-08	54.539
1.81E-08	54.539
1.81E-08	54.539
4.44E-08	59.699
4.44E-08	59.699
2.22E-08	62.068
2.22E-08	62.068
2.22E-08	62.068
1.22E-07	61.968
1.22E-07	61.968
1.22E-07	61.968
2.66E-07	66.4428
2.06E-07	66.2928
4.44E-07	68.4094
4.44E-07	68.4094

4.44E-07	68.4094
5.39E-07	68.4094
5.39E-07	68.4094
5.39E-07	68.4094
1.36E-06	72.3051
9.63E-07	72.3051
1.94E-06	73.8887
1.94E-06	73.8887
1.94E-06	73.8887
1.81E-06	73.8887
4.91E-06	77.1005
3.87E-06	77.032
3.87E-06	77.032
6.72E-07	78.1398
7.03E-06	78.0168
1.14E-08	78.0127
1.12E-05	81.0437
5.20E-08	80.8874
9.76E-07	81.7313
2.00E-07	81.2688
8.87E-05	84.0876
3.12E-06	84.3449
7.13E-04	86.24
6.97E-06	85.9314
3.64E-03	87.5004
5.55E-05	86.9004
5.55E-05	86.9004
6.59E-06	86.7372
6.59E-06	86.7372
2.65E-02	88.0598
1.77E-02	87.1559
1.77E-02	87.1559
0.00E+00	88.071
2.07E+00	86.8912
2.07E+00	86.8912
3.33E-04	86.7525
2.30E+06	87.5818
1.01E-04	85.949
3.58E-02	86.3387
6.02E-07	86.3387
6.02E-07	86.3387
3.00E+01	86.5456
6.34E-05	82.8874
5.55E-06	82.8075
5.55E-06	82.8075
1.76E-05	80.7009
2.02E-06	77.051
7.86E-07	74.4769
7.86E-07	74.4769
5.32E-08	70.5151
5.32E-08	70.5151
5.67E-08	67.6714

5.67E-08	67.6714
3.15E-08	63.2699
3.15E-08	63.2699
3.17E-08	63.2699
1.88E-08	60.057
1.88E-08	60.057
1.02E-08	55.62
1.02E-08	55.62
7.45E-09	52.0193
7.45E-09	52.0193
4.63E-09	47.303
4.63E-09	47.303
1.58E-09	43.845
1.58E-09	43.845
1.58E-09	38.964
1.58E-09	38.964
1.58E-09	35.22
1.58E-09	35.22
1.36E-08	45.9456
1.36E-08	45.9456
1.36E-08	45.9456
1.36E-08	45.9456
1.43E-08	49.025
1.43E-08	49.025
4.12E-08	54.604
4.12E-08	54.604
5.55E-08	57.288
5.55E-08	57.288
5.55E-08	57.288
1.65E-07	62.373
1.71E-07	64.5901
1.71E-07	64.5901
7.61E-07	68.8887
9.41E-07	70.7428
3.71E-06	74.6089
5.13E-06	75.655
2.09E-05	79.0898
6.65E-06	79.668
1.90E-04	82.6699
2.41E-05	82.8156
6.02E-08	82.7353
6.65E-03	85.4015
2.54E-04	85.0646
2.47E-04	85.0562
2.47E-04	85.0562
3.49E+14	87.2616
3.02E-10	84.7865
3.15E-02	86.6838
2.78E-05	86.4968
3.00E+21	88.4348
1.05E+01	87.5535
4.44E-03	87.2653

4.44E-03	87.2653
0.00E+00	88.9499
8.33E-14	85.9927
0.00E+00	87.8505
3.26E-03	87.5823
0.00E+00	88.8869
9.76E-09	86.8564
0.00E+00	87.7212
4.85E-06	87.0595
0.00E+00	88.2616
1.58E-04	84.9137
3.49E-02	83.2714
3.49E-05	79.7256
2.02E-05	77.8232
2.02E-05	77.8232
4.59E-07	73.9357
3.64E-07	71.769
3.64E-07	71.769
1.37E-07	67.415
7.03E-08	65.0001
2.83E-08	60.598
2.83E-08	60.598
1.94E-08	58.0134
1.94E-08	58.0134
1.09E-08	53.486
1.09E-08	53.486
9.51E-09	50.599
4.75E-09	45.82
3.17E-09	42.597
2.54E-09	37.623
7.45E-10	46.512
7.45E-10	46.512
3.17E-10	46.361
3.17E-10	46.361
3.17E-08	49.621
6.34E-08	54.967
8.87E-08	57.687
8.87E-08	57.687
1.68E-07	62.401
2.73E-07	64.543
2.73E-07	64.543
5.39E-07	68.707
3.17E-08	70.2586
9.19E-07	70.2586
2.05E-06	73.7594
1.27E-08	73.6524
1.58E-06	74.9735
1.58E-06	74.9735
1.71E-06	74.9735
9.70E-06	77.8958
7.03E-06	77.881
7.03E-06	77.881

9.85E-06	78.6319
2.66E-06	78.6319
2.21E-05	81.3261
1.77E-08	81.154
1.65E-05	81.628
1.12E-04	83.7693
5.39E-12	83.4648
5.48E-04	83.7402
4.63E-05	83.552
4.63E-05	83.552
4.47E-04	85.4944
1.23E-05	85.2187
9.19E-13	84.8822
2.22E-03	86.6505
1.88E-05	86.0369
3.61E-09	85.8069
5.99E+04	87.1007
1.02E+11	86.5247
1.02E+11	86.5247
0.00E+00	87.2314
4.59E-03	84.321
4.47E-04	82.9382
1.73E-04	80.0348
2.70E-05	78.1871
1.29E-06	74.8924
7.86E-07	72.9868
1.99E-07	69.1229
3.17E-07	69.1229
1.27E-07	66.8484
1.27E-07	66.8484
3.99E-08	63.1284
3.99E-08	63.1284
3.33E-08	60.795
3.33E-08	60.795
1.62E-08	57.035
1.62E-08	57.035
4.75E-15	54.287
4.75E-15	50.068
3.17E-15	46.929
3.17E-09	42.383
1.90E-09	38.797
6.34E-09	44.004
7.92E-09	49.705
3.49E-08	52.704
3.49E-08	52.704
6.34E-08	57.836
6.34E-08	57.836
1.20E-07	60.175
1.20E-07	60.175
1.90E-07	64.823
3.23E-07	66.658
3.23E-07	66.658

1.62E-06	70.8206
9.82E-07	71.9756
7.48E-06	75.5339
6.65E-06	76.2875
4.34E-05	79.4229
1.94E-05	79.7154
9.51E-06	79.7154
3.99E-04	82.474
2.98E-10	80.1329
1.84E-04	82.4232
5.58E-04	82.3861
8.65E-03	84.836
2.02E-03	84.6249
6.34E-07	84.1791
7.00E+13	86.4683
1.03E-03	85.8786
3.93E-03	85.6246
3.93E-03	85.6246
9.00E+13	87.5685
2.74E-10	85.4393
2.57E-15	84.0294
3.77E-01	86.9525
1.74E-06	86.1983
0.00E+00	88.0833
8.90E-02	85.4401
2.60E+17	84.5385
3.77E-03	81.612
7.80E-01	80.437
5.74E-06	77.0968
2.57E-05	75.6755
1.79E-06	72.0287
1.77E-06	70.3908
1.68E-07	66.6951
1.27E-07	64.8237
3.23E-08	61.5008
4.44E-08	59.113
3.17E-15	55.349
4.75E-15	52.704
9.51E-15	48.4
4.75E-09	45.401
1.58E-09	40.669
4.44E-08	41.579
1.58E-08	44.889
2.54E-08	50.338
3.80E-08	53.132
3.80E-08	53.132
1.05E-07	57.911
1.05E-07	57.911
9.95E-08	60.258
9.95E-08	60.258
1.33E-07	64.431
9.00E-08	66.3308

1.01E-06	69.7736
1.27E-06	71.1755
2.98E-06	74.2783
1.81E-07	74.1263
1.81E-07	74.1263
3.04E-06	75.2135
1.24E-05	77.9376
2.09E-05	78.514
3.23E-05	78.514
4.56E-05	80.9359
2.49E-05	81.3272
1.46E-04	83.1773
2.76E-06	83.1315
2.42E-04	82.7675
5.04E-04	84.8233
6.43E-06	84.6953
0.00E+00	86.0209
2.18E-03	83.7927
2.18E-03	83.7927
2.78E-05	83.789
3.71E-02	83.0735
3.30E-05	80.7556
1.37E-05	80.6966
1.37E-05	80.6966
6.81E-04	79.6318
4.59E-05	76.7138
2.55E-05	75.4548
4.34E-06	72.5308
3.83E-06	72.4408
4.31E-06	71.0565
1.96E-07	68.3037
5.99E-07	66.7708
1.15E-07	63.8081
1.36E-07	61.6287
7.29E-08	58.2015
9.51E-15	55.778
9.51E-15	51.912
9.51E-09	48.969
6.34E-09	44.73
3.17E-09	41.451
1.58E-08	44.497
1.90E-08	47.618
1.90E-08	47.618
6.34E-15	52.89
6.34E-15	52.89
5.70E-08	55.424
5.70E-08	55.424
1.58E-07	60.184
1.58E-07	60.184
2.22E-07	62.235
2.22E-07	62.235
6.65E-07	66.5962

1.05E-06	67.769
1.05E-06	67.769
2.98E-06	71.4258
2.22E-06	72.3324
2.22E-06	72.2044
2.22E-06	72.2044
1.62E-05	75.6465
1.30E-11	73.3535
2.36E-05	76.2138
1.05E-05	76.1488
1.05E-05	76.1488
9.63E-05	79.1993
7.32E-05	79.5802
5.07E-08	79.0608
5.74E-04	82.0181
5.64E-05	81.9917
6.27E-04	81.7605
6.27E-04	81.7605
9.22E-03	84.2518
1.90E-11	82.0304
2.84E-04	84.1979
1.96E-06	83.4414
1.96E-06	83.4414
0.00E+00	85.9552
0.00E+00	84.0074
2.29E+15	83.7532
0.00E+00	81.4371
0.00E+00	80.931
3.01E-02	78.1519
0.00E+00	77.4134
1.97E-04	74.3809
7.89E+18	73.6897
2.36E-05	70.9529
2.17E-05	70.1581
1.00E-06	67.3487
8.21E-07	65.6915
2.82E-07	62.473
1.74E-07	60.5302
3.17E-15	56.793
1.58E-15	54.399
2.22E-08	50.217
9.51E-09	47.422
6.34E-09	42.961
1.58E-08	39.57
3.17E-08	45.056
3.17E-08	45.056
3.17E-08	48.046
3.17E-08	48.046
3.17E-08	48.046
7.61E-08	52.946
8.24E-08	55.47
8.24E-08	55.47

2.00E-07	59.737
1.96E-07	61.711
1.96E-07	61.711
4.75E-07	65.4076
1.58E-07	66.7387
6.97E-07	66.7387
1.43E-06	69.9776
1.55E-06	69.9776
1.49E-06	71.198
3.39E-06	71.198
4.56E-06	74.0729
3.17E-07	74.9403
6.15E-06	74.9203
7.89E-06	77.4965
5.70E-09	77.3078
5.70E-09	77.3078
2.92E-07	78.2066
1.13E-05	78.2066
3.96E-05	80.5229
1.28E-06	81.1569
6.34E-11	80.2737
7.26E-01	82.9657
9.95E-01	81.4211
1.77E+01	81.2738
1.77E+01	81.2738
5.55E+00	79.4599
5.55E+00	79.4599
2.62E+00	79.0479
1.47E-02	76.8719
1.13E-01	76.734
1.13E-01	76.734
6.05E-03	76.0712
3.06E-04	73.6033
3.23E-03	73.3952
7.83E-06	71.2623
1.43E-05	71.1123
2.62E-05	71.1123
2.62E-05	71.1123
9.98E-06	70.6847
5.10E-06	68.4984
3.30E-06	68.4984
1.32E-06	66.9732
8.46E-07	64.2202
3.36E-07	62.3734
1.52E-07	59.0927
4.66E-08	56.849
6.34E-08	53.104
2.22E-08	50.431
1.58E-08	46.305
6.34E-09	43.147
1.58E-08	39.048
1.58E-08	39.048

1.74E-08	42.253
1.74E-08	42.253
3.17E-08	47.581
3.80E-08	50.198
3.80E-08	50.198
1.27E-07	55.247
1.27E-07	55.247
1.17E-07	57.129
1.17E-07	57.129
3.01E-07	61.507
3.26E-07	62.8572
3.26E-07	62.8572
1.49E-06	66.8109
1.43E-06	68.0254
5.89E-06	71.4978
4.88E-06	72.3802
3.39E-07	71.9229
3.39E-07	71.9229
2.82E-05	75.456
1.94E-05	75.9387
4.31E-05	75.7627
4.31E-05	75.7627
1.38E-04	78.9929
1.66E-05	79.5232
2.09E-06	78.7692
2.09E-06	78.7692
9.51E-10	76.7294
0.00E+00	81.972
9.32E-01	80.6577
3.04E-14	71.8715
1.03E+08	81.0019
1.06E+11	79.2721
7.00E+15	79.3422
0.00E+00	77.1419
0.00E+00	77.0573
9.00E+01	74.5825
0.00E+00	74.7688
5.29E-03	72.5658
3.36E-10	72.4674
0.00E+00	72.4616
4.25E-05	70.1972
1.07E-03	69.3703
1.53E-05	66.7334
1.01E-05	65.2127
3.61E-07	62.2133
3.04E-07	60.417
1.52E-07	56.979
6.34E-08	54.753
3.17E-08	50.897
1.58E-08	48.177
6.34E-09	43.799
2.85E-11	33.936

5.64E-10	39.353
5.64E-10	39.353
6.34E-09	42.504
3.17E-08	47.283
1.58E-08	49.826
1.58E-08	49.826
4.75E-08	54.194
4.75E-08	54.194
1.05E-07	56.262
1.05E-07	56.262
1.20E-07	56.262
1.20E-07	56.262
3.49E-07	60.016
3.83E-07	61.7497
5.67E-07	65.3981
4.78E-08	66.986
3.96E-09	66.801
3.96E-09	66.801
1.29E-06	69.9266
8.56E-08	69.8302
8.56E-08	69.8302
7.42E-08	71.3199
2.33E-06	71.3199
4.91E-06	74.2424
3.23E-07	75.6216
1.62E-02	77.9984
1.26E-02	77.1223
7.45E-12	76.4559
6.59E-02	77.5505
6.59E-02	77.5505
1.49E-01	76.3025
1.49E-01	76.3025
2.55E-01	76.4466
3.68E+01	74.7973
1.46E-03	74.7552
1.46E-03	74.7552
1.46E-03	74.7552
0.00E+00	74.6591
1.35E+01	72.8945
1.35E+01	72.8945
1.06E-03	72.8489
1.06E-03	72.8489
1.83E-04	72.7466
0.00E+00	73.3735
8.59E+00	71.7444
8.59E+00	71.7444
8.81E-05	71.5991
4.75E+00	71.8245
4.15E-02	70.0928
1.73E-03	69.4674
8.71E-05	67.2117
3.45E-05	66.0533

1.20E-06	63.369
8.24E-07	61.777
3.36E-07	58.647
1.90E-07	56.626
6.34E-08	53.104
3.17E-08	50.561
1.27E-08	46.603
6.34E-09	43.585
1.27E-08	41.573
3.49E-08	44.181
3.49E-08	44.181
6.34E-15	49.052
6.97E-08	51.214
6.97E-08	51.214
1.49E-07	55.778
1.84E-07	57.529
1.84E-07	57.529
1.52E-07	57.529
1.52E-07	57.529
5.01E-07	61.7823
4.44E-07	63.2242
4.44E-07	63.2242
7.76E-07	62.8464
7.76E-07	62.8464
2.22E-06	66.9595
1.24E-06	68.2324
3.49E-06	68.0798
8.49E-06	71.7595
4.37E-05	72.9274
2.69E-06	72.1783
2.69E-06	72.1783
1.32E-01	76.0932
4.34E-03	75.3631
7.10E+01	76.2758
2.54E-02	75.1335
2.54E-02	75.1335
1.79E+06	75.7688
3.39E-01	74.1949
3.39E-01	74.1949
1.08E+14	74.7142
6.59E-01	72.8898
1.11E-13	72.7946
2.41E-12	72.7186
0.00E+00	73.7132
0.00E+00	72.0771
1.01E-09	71.9561
0.00E+00	72.5422
0.00E+00	70.8307
5.86E-13	70.4041
0.00E+00	70.6967
2.11E-03	68.5685
8.30E-16	68.5007

3.10E+19	67.9486
6.97E-06	65.5127
1.60E-05	64.2873
2.15E-06	61.488
1.43E-06	59.746
3.26E-07	56.467
2.22E-07	54.399
9.51E-08	50.701
9.51E-09	48.102
3.17E-08	43.901
2.98E-11	0
6.34E-09	35.974
1.90E-08	41.004
1.90E-08	41.004
6.34E-15	43.631
6.34E-15	43.631
5.07E-08	48.168
5.07E-08	48.168
6.65E-08	50.4823
6.65E-08	50.4823
1.11E-07	54.5408
2.50E-07	54.5408
1.89E-08	57.06
1.89E-08	57.06
9.60E-09	56.7798
4.75E-13	56.4386
3.80E-07	60.4344
6.65E-07	60.4344
3.17E-08	62.3682
1.35E-07	61.9713
1.35E-07	61.9713
3.80E-05	65.8808
9.79E-07	65.8808
2.54E-07	67.7694
7.29E-07	67.7694
3.74E-11	66.9898
1.94E-04	70.752
3.49E-06	70.7014
1.14E-04	70.5405
4.18E-06	70.4503
4.69E-04	71.496
4.69E-04	71.496
7.92E-06	71.4602
7.92E-06	71.4602
3.96E-04	71.1105
3.96E-04	71.1105
1.10E-05	70.6366
2.01E-03	71.6295
2.01E-03	71.6295
7.92E-07	71.53
7.92E-07	71.53
2.00E-03	70.7242

2.00E-03	70.7242
7.99E-06	70.2225
7.99E-06	70.2225
6.40E-03	71.3202
5.89E-12	71.157
2.45E-03	70.162
2.45E-03	70.162
1.07E-03	70.162
1.07E-03	70.162
1.07E-03	70.162
2.59E-03	70.162
2.59E-03	70.162
1.46E-02	71.2544
1.46E-02	70.0975
2.78E-03	70.0479
6.05E-04	70.0091
6.05E-04	70.0091
7.10E+01	70.7706
1.80E+02	69.4772
1.80E+02	69.4772
3.39E-07	69.3669
3.39E-07	69.3669
3.39E-07	69.3669
1.27E-11	69.0888
0.00E+00	69.539
1.98E-01	67.8429
1.89E-02	67.4682
1.44E-05	65.6813
3.71E-05	64.6014
5.70E-06	62.0833
4.02E-06	60.659
6.65E-07	57.7601
6.15E-07	55.843
2.60E-07	52.499
6.34E-08	50.096
9.51E-08	46.342
1.58E-08	43.501
6.34E-09	34.94
1.90E-08	37.688
1.90E-08	37.688
2.85E-08	45.317
2.85E-08	45.317
7.29E-08	49.96
7.29E-08	49.96
1.77E-07	52.322
1.77E-07	52.322
9.51E-08	52.322
9.51E-08	52.322
2.88E-07	56.5845
2.88E-07	56.5845
3.33E-07	58.2882
4.31E-07	58.2882

9.19E-07	62.5541
4.75E-09	59.6184
1.27E-06	64.1879
1.27E-06	64.1879
1.77E-06	63.4369
1.77E-06	63.4369
6.27E-06	67.8595
7.99E-06	67.7152
1.55E-08	65.0541
1.55E-08	65.0541
1.36E-05	69.317
1.36E-05	69.317
3.39E-05	68.7586
3.39E-05	68.7586
2.72E-04	70.1245
2.72E-04	70.1245
7.29E-04	69.1498
7.29E-04	69.1498
3.00E+06	70.3982
1.13E-03	69.1599
1.90E-13	68.9256
0.00E+00	70.5298
9.28E-04	69.4279
6.84E-10	69.2285
0.00E+00	70.4121
3.96E-01	69.1735
3.87E-12	68.8207
0.00E+00	69.6781
0.00E+00	68.0611
0.00E+00	68.1868
0.00E+00	66.3865
0.00E+00	65.9733
2.66E-04	63.6179
2.39E-06	63.5097
2.39E-06	63.5097
9.32E-03	62.5901
1.18E-05	59.9366
1.65E-05	58.5642
1.24E-06	55.6031
9.51E-07	53.663
1.90E-07	50.114
9.51E-08	47.73
6.34E-08	43.78
1.90E-10	29.305
1.30E-10	34.374
2.09E-13	34.308
9.51E-09	37.474
9.51E-09	37.474
6.34E-15	42.281
6.34E-15	42.281
2.22E-08	45.196
2.22E-08	45.196

7.61E-08	49.183
1.14E-07	51.568
1.84E-07	55.8375
6.97E-08	58.0153
3.04E-07	58.0153
3.04E-07	58.0153
7.45E-11	57.3209
6.69E-07	61.6884
1.77E-06	61.6396
2.28E-06	61.9479
7.38E-07	61.1479
1.12E-06	63.6321
1.12E-06	63.6321
1.50E-06	63.5911
1.50E-06	63.5911
5.13E-06	63.6083
5.13E-06	63.6083
1.58E-06	63.4483
1.58E-06	63.4483
3.83E-06	65.0194
3.83E-06	65.0194
1.77E-05	64.9507
1.77E-05	64.9507
2.24E-05	64.6442
2.24E-05	64.6442
5.89E-06	64.6442
5.89E-06	64.6442
5.89E-06	64.6442
9.13E-05	66.0397
2.79E-11	65.8977
1.06E-04	65.3546
3.01E-07	65.3022
1.48E-05	65.3022
1.48E-05	65.3022
2.40E-05	66.8289
2.15E-05	66.191
5.32E-05	66.1238
5.32E-05	66.1238
4.06E-05	66.011
4.06E-05	66.011
6.27E-05	67.3359
2.63E-07	67.13
4.88E-05	66.3881
5.74E-04	66.3281
5.74E-04	66.3281
9.51E-08	66.2185
2.83E-04	67.2028
2.14E-07	66.9916
2.85E-05	66.0471
1.27E-04	65.9411
1.27E-04	65.9411
4.56E+03	66.3839

3.45E-08	66.086
5.51E-05	64.9871
5.51E-05	64.9871
7.13E-05	64.8473
0.00E+00	64.9046
3.06E-03	63.0769
1.20E+03	63.0709
3.42E-04	62.2866
5.67E-06	60.0667
4.18E-06	60.0077
4.18E-06	60.0077
8.97E-06	58.8031
5.26E-06	56.2446
1.36E-06	56.1246
1.68E-06	54.5249
7.92E-07	51.4
3.17E-07	49.099
2.54E-07	45.503
1.58E-07	42.802
6.34E-09	31.354
6.34E-15	36.906
2.85E-08	39.691
2.85E-08	39.691
5.39E-08	44.712
5.39E-08	44.712
7.92E-08	47.05
7.92E-08	47.05
7.92E-08	47.05
7.92E-08	47.05
1.46E-07	51.651
1.27E-07	53.7416
1.27E-07	53.7416
2.82E-07	52.9998
2.82E-07	52.9998
2.82E-07	52.9998
5.86E-07	57.8329
7.45E-07	58.266
1.84E-08	55.6805
1.84E-08	55.6805
3.26E-07	60.5002
3.26E-07	60.5002
1.18E-06	60.488
1.18E-06	60.488
7.10E-06	62.6122
7.10E-06	62.6122
1.24E-15	59.5872
1.24E-15	59.5872
1.01E-05	62.2155
1.01E-05	62.2155
3.71E-05	64.2128
3.71E-05	64.2128
3.55E-05	63.4198

2.41E-09	63.2644
2.61E-04	65.3038
6.84E-05	64.5674
3.26E-03	66.0585
3.68E-04	65.2089
2.38E-13	64.8125
0.00E+00	66.3426
1.43E-04	65.1741
0.00E+00	65.9496
1.18E-03	64.5283
0.00E+00	64.9316
0.00E+00	63.2967
7.19E-08	63.0889
0.00E+00	62.9967
2.57E-02	60.9287
0.00E+00	60.1146
8.59E-04	57.7249
5.61E-03	56.4894
2.66E-06	53.654
6.08E-06	51.949
2.28E-06	48.652
6.34E-07	46.5
9.51E-08	42.802
9.82E-14	27.877
2.54E-09	31.275
2.54E-09	31.275
6.34E-09	31.095
6.34E-09	31.095
1.84E-08	36.365
1.84E-08	36.365
1.14E-11	36.297
2.22E-08	39.272
2.85E-08	44.041
2.85E-08	44.041
6.97E-08	46.612
1.65E-10	45.9404
1.32E-07	50.7818
2.09E-07	50.7818
2.54E-07	51.7706
1.65E-07	51.7706
9.32E-15	49.2155
1.33E-15	45.4706
4.69E-08	54.0154
4.69E-08	54.0154
7.92E-08	53.9722
7.92E-08	53.9722
2.57E-07	54.4292
2.57E-07	54.4292
1.05E-07	54.4292
1.05E-07	54.4292
1.05E-07	54.4292
6.84E-07	56.6353

6.84E-07	56.6353
1.43E-06	56.5943
1.43E-06	56.5943
2.66E-06	56.8398
2.66E-06	56.8398
6.91E-06	58.7093
7.57E-06	58.7032
6.34E-07	58.7032
1.74E-05	60.5704
1.79E-05	60.3023
2.36E-06	60.2323
2.36E-06	60.2323
5.74E-05	61.8987
4.12E-05	61.4836
7.70E-07	61.4836
7.70E-07	61.4836
2.07E-04	62.7351
3.80E-06	61.8885
3.80E-06	61.8885
9.70E-06	61.8885
9.70E-06	61.8885
3.42E-03	62.9359
8.78E-04	61.8939
2.53E-02	62.5483
2.55E-01	61.3177
2.55E-01	61.3177
0.00E+00	61.28
3.52E-01	59.8006
3.52E-01	59.8006
1.92E+00	59.2156
7.26E-03	57.38
9.41E-04	56.2589
1.03E-05	53.8696
2.89E-05	52.3156
3.61E-06	49.3741
2.85E-06	47.469
9.51E-07	44.116
6.34E-07	41.601
7.92E-09	30.348
2.22E-08	33.497
2.22E-08	33.497
6.34E-15	38.732
5.07E-08	41.5439
5.07E-08	41.5439
5.07E-08	41.5439
5.07E-08	41.5439
5.07E-08	41.5439
9.63E-08	46.3056
9.63E-08	46.3056
9.51E-13	43.5611
1.33E-07	47.059
1.33E-07	47.059

1.30E-08	49.9337
1.30E-08	49.9337
5.67E-08	50.5034
5.67E-08	50.5034
8.27E-07	53.2645
8.27E-07	53.2645
1.22E-06	53.4418
1.22E-06	53.4418
2.83E-06	56.0148
2.83E-06	56.0148
3.17E-06	55.843
9.13E-06	58.1696
7.99E-06	57.8442
3.58E-05	59.8315
2.10E-05	59.3042
1.44E-04	61.0227
1.88E-05	60.2872
6.46E-03	61.5885
3.33E-05	60.5941
0.00E+00	61.5746
8.78E-02	60.3703
1.46E-06	60.3461
0.00E+00	60.769
0.00E+00	59.3121
1.66E-10	59.2168
0.00E+00	59.2603
0.00E+00	57.5563
0.00E+00	56.9496
2.63E-11	55.4315
1.15E-02	54.7006
2.16E-09	54.1857
1.60E+17	53.4941
3.61E-07	52.4441
3.61E-07	52.4441
2.18E-04	50.9892
2.03E-07	50.6577
1.41E-04	49.6983
1.52E-05	46.416
4.56E-06	44.404
1.90E-06	40.846
1.36E-09	24.938
1.36E-09	24.938
1.24E-12	24.904
2.55E-09	30.202
2.55E-09	30.202
5.07E-13	30.125
2.22E-08	33.422
2.22E-08	33.422
2.85E-08	38.408
2.85E-08	38.408
6.34E-08	39.568
3.55E-08	39.568

2.15E-09	42.5542
2.15E-09	42.5542
4.37E-09	42.5342
4.37E-09	42.5342
8.52E-11	40.7732
1.57E-08	43.7499
1.57E-08	43.7499
6.27E-09	43.7499
2.15E-07	46.4831
1.52E-07	46.4571
1.52E-07	46.4571
3.36E-07	47.2144
3.36E-07	47.2144
3.83E-07	49.715
3.83E-07	49.715
1.14E-06	50.2699
1.14E-06	50.2699
1.27E-06	50.2699
1.27E-06	50.2699
2.44E-06	52.5623
2.31E-10	52.4267
2.60E-06	52.8369
2.85E-06	52.8369
3.61E-06	52.8369
7.54E-06	54.7914
5.96E-06	54.6424
2.04E-05	56.4423
5.04E-06	56.021
2.68E-06	55.9866
2.68E-06	55.9866
4.02E-06	55.9781
4.02E-06	55.9781
9.79E-05	57.5011
1.90E-06	57.5011
1.90E-06	57.5011
1.05E-05	57.0642
1.27E-05	56.8442
1.27E-05	56.8442
3.90E-03	58.0773
5.07E-06	58.0483
5.51E-03	57.3102
2.12E-08	57.2173
2.26E-02	57.8335
2.50E-06	57.7624
1.83E-02	56.7413
7.03E-06	56.6994
1.39E-11	56.6319
1.37E+00	56.8858
3.30E+00	55.5753
3.90E-01	55.4045
3.90E-01	55.4045
0.00E+00	55.1707

3.77E+10	53.3874
4.18E-04	53.2645
4.18E-04	53.2645
1.82E-02	52.389
4.40E-01	51.4188
4.40E-01	51.4188
1.14E-05	49.689
1.14E-05	49.689
5.39E-05	50.343
4.40E-05	50.223
5.23E-04	49.0642
9.82E-11	48.4718
1.08E-05	46.6854
3.17E-11	46.0614
6.65E-06	44.74
3.80E-06	41.88
1.84E-06	39.523
6.34E-07	36.412
1.90E-15	27.302
6.34E-08	32.733
6.34E-08	32.733
2.85E-13	30.062
2.82E-08	34.102
7.29E-10	37.8522
1.65E-11	35.8932
3.49E-09	38.754
3.49E-09	38.754
9.03E-08	42.1041
9.03E-08	42.1041
1.77E-07	42.8535
1.77E-07	42.8535
4.31E-07	45.9372
4.31E-07	45.9372
5.77E-07	46.3187
5.77E-07	46.3187
1.25E-06	49.1731
1.25E-06	49.1731
1.27E-06	49.2863
1.27E-06	49.2863
3.52E-06	51.8215
2.41E-06	51.6355
1.29E-05	53.859
3.90E-06	53.4678
4.94E-05	55.3605
6.15E-06	54.7169
1.83E-03	56.2539
1.38E-03	55.4313
9.35E-07	55.4094
9.35E-07	55.4094
1.87E+00	56.4035
2.69E-03	55.4118
2.00E+15	55.8466

1.92E-01	54.4838
0.00E+00	54.5775
0.00E+00	52.8896
3.45E-08	51.5741
9.76E-05	50.1496
0.00E+00	52.4443
1.27E-07	51.2973
3.10E+01	49.9983
0.00E+00	50.4719
5.93E-07	50.0969
6.84E-02	49.3661
0.00E+00	49.7884
6.24E-04	48.6469
6.24E-04	48.6469
1.16E-01	47.4119
4.75E-11	45.67
8.90E+06	46.0586
1.17E-04	44.8856
1.17E-04	44.8856
1.22E-04	43.2861
4.69E-04	41.5013
1.52E-06	40.229
6.65E-06	38.359
4.94E-06	36.431
9.51E-07	32.984
6.34E-07	30.879
3.80E-13	23.668
4.56E-09	25.799
4.56E-09	25.799
1.14E-08	25.697
1.14E-08	25.697
3.20E-10	29.6285
3.20E-10	29.6285
1.36E-10	29.6065
5.39E-11	28.0395
1.74E-09	31.019
1.74E-09	31.019
1.16E-09	30.878
1.16E-09	30.878
2.63E-08	34.4484
2.63E-08	34.4484
1.63E-08	34.3844
1.63E-08	34.3844
4.91E-08	35.8755
4.91E-08	35.8755
5.39E-08	35.8755
9.16E-08	38.734
9.16E-08	38.734
1.13E-07	39.7824
1.13E-07	39.7824
3.36E-07	42.5411
3.36E-07	42.5411

4.50E-07	43.2828
9.82E-07	45.8551
1.09E-06	46.0978
2.54E-06	48.3511
3.80E-06	48.3939
9.32E-06	50.2904
1.29E-05	50.1377
4.44E-05	51.7203
7.00E-05	51.33
3.58E-04	52.3965
1.30E-04	51.7408
1.20E-03	52.4086
9.22E-04	51.3654
3.49E-11	51.2624
3.07E-11	48.5906
6.46E-03	51.7236
1.77E-05	50.5073
2.69E-04	50.5073
1.90E-09	49.0363
1.82E+00	50.3663
2.85E-10	49.049
1.71E-09	47.727
9.32E-04	48.9362
9.32E-04	48.9362
1.20E+15	48.8591
0.00E+00	48.4416
3.13E-01	46.4333
8.97E-09	46.4173
3.01E-05	45.9133
1.40E-02	45.2961
9.92E-04	42.8413
9.38E-05	41.3962
3.17E-11	40.1377
2.00E-05	38.6085
2.93E-06	38.6085
3.80E-06	36.766
6.34E-07	33.813
9.51E-08	31.829
9.51E-09	28.662
3.96E-11	23.695
4.53E-12	21.807
4.53E-12	21.807
2.31E-10	25.227
2.31E-10	25.227
2.88E-09	29.3618
1.30E-08	30.407
4.31E-08	34.0019
4.31E-08	34.0019
8.87E-08	34.9091
8.87E-08	34.9091
2.00E-07	38.2337
2.00E-07	38.2337

1.62E-07	38.862
1.62E-07	38.862
6.08E-07	41.8918
6.08E-07	41.8918
6.31E-07	42.0886
6.31E-07	42.0886
1.68E-06	44.8902
1.68E-06	44.8902
2.34E-06	44.9178
4.59E-06	47.2934
4.53E-06	47.0861
1.25E-05	49.0972
1.44E-05	48.7274
6.31E-05	50.2271
6.69E-05	49.6328
2.85E-04	50.6416
2.51E-04	49.7017
5.93E-02	50.416
7.03E-05	49.3036
1.22E-05	49.0817
1.22E-05	49.0817
1.80E+18	49.6445
3.33E-01	48.254
8.30E+18	48.2475
1.30E+19	46.367
1.65E-07	46.0575
2.90E+19	45.7073
2.06E-01	43.3897
3.17E-06	43.1923
2.70E+19	42.5095
9.51E-11	38.9667
2.71E-03	39.9048
1.91E-01	38.6671
2.03E-05	35.4779
5.70E-05	34.2963
9.82E-11	31.9153
9.51E-15	31.112
9.51E-15	29.649
2.60E-11	16.66
2.60E-11	16.66
1.17E-11	20.8756
4.94E-10	20.7518
4.94E-10	20.7518
3.39E-09	22.354
3.39E-09	22.354
2.44E-09	22.181
2.44E-09	22.181
1.24E-08	26.0068
1.24E-08	26.0068
6.78E-09	25.8918
6.78E-09	25.8918
1.68E-08	27.644

1.68E-08	27.644
3.17E-08	30.6568
3.17E-08	30.6568
6.65E-08	30.6088
6.65E-08	30.6088
8.87E-08	31.85
1.87E-07	34.837
1.87E-07	34.837
1.08E-07	34.837
1.39E-07	35.7949
1.39E-07	35.7949
2.57E-07	38.3858
2.57E-07	38.3858
4.78E-07	38.3858
2.92E-07	38.9178
4.82E-07	41.2503
4.75E-07	41.5232
1.74E-06	41.5232
3.77E-06	43.5539
4.56E-06	43.6731
1.12E-05	45.2883
1.01E-05	45.0629
2.66E-05	46.2692
2.51E-05	45.6535
3.71E-05	46.5862
4.63E-06	45.8397
2.27E-03	46.5114
7.29E-03	45.4475
1.45E-03	45.4475
1.92E-01	45.811
3.30E-11	43.9034
1.04E-01	44.2266
4.63E-01	44.0386
4.63E-01	44.0386
0.00E+00	43.8222
1.02E-02	41.9302
1.02E-02	41.9302
2.00E+05	41.7812
4.12E+10	41.2157
4.12E+10	41.2157
1.94E-03	39.0161
3.55E-05	38.844
2.77E-03	37.9779
5.89E-06	35.5663
3.64E-04	35.3563
3.64E-04	35.3563
1.86E-05	34.3486
5.07E-07	31.708
9.51E-07	30.302
9.51E-15	27.554
6.02E-11	14.503
1.74E-10	16.124

1.74E-10	16.124
6.65E-10	20.4597
6.65E-10	20.4597
2.25E-09	21.646
2.25E-09	21.646
5.74E-09	25.4384
5.74E-09	25.4384
2.57E-08	26.5029
2.57E-08	26.5029
6.65E-08	29.9907
6.65E-08	29.9907
1.08E-07	30.7214
1.08E-07	30.7214
2.36E-07	33.9278
2.36E-07	33.9278
2.63E-07	34.2931
2.63E-07	34.2931
6.08E-07	37.2381
6.08E-07	37.2381
7.10E-07	37.4382
7.10E-07	37.4382
1.39E-06	39.9963
1.39E-06	39.9963
2.66E-06	40.1047
6.84E-06	42.0979
5.70E-06	41.9495
9.51E-06	43.5462
1.24E-05	43.0201
4.09E-05	44.3589
2.00E-04	43.5529
5.13E-06	43.5037
5.13E-06	43.5037
2.52E-03	44.6091
1.48E-03	43.6628
1.13E-03	43.4921
1.13E-03	43.4921
5.61E+13	44.2561
2.56E-01	42.8094
2.00E+15	42.9995
0.00E+00	41.2182
0.00E+00	41.1364
0.00E+00	38.9854
6.62E-04	38.9546
0.00E+00	38.7063
1.88E-05	37.0009
4.21E-02	36.3937
1.50E-03	36.3197
0.00E+00	35.8805
1.87E-07	33.8651
1.87E-07	33.8651
3.42E-03	33.3926
5.99E+00	32.4327

1.71E-05	29.6898
6.62E-05	28.2808
0.00E+00	0
3.49E-12	-7.265
1.84E-12	-7.265
3.17E-14	11.625
3.17E-14	11.625
9.51E-12	11.395
9.51E-12	11.395
3.33E-10	13.205
3.33E-10	13.205
4.78E-10	13.033
4.78E-10	13.033
1.12E-09	17.0788
1.12E-09	17.0788
1.12E-09	17.0788
8.14E-10	16.9035
8.14E-10	16.9035
8.14E-10	16.9035
5.10E-12	18.741
2.03E-08	22.0811
2.03E-08	22.0811
2.03E-08	22.0811
9.76E-09	21.9281
2.76E-08	23.32
2.76E-08	23.32
1.39E-08	23.32
1.39E-08	23.32
1.39E-08	23.32
1.01E-07	26.4302
1.01E-07	26.4302
1.01E-07	26.4302
4.44E-08	26.4302
4.44E-08	26.4302
4.44E-08	26.4302
1.39E-07	27.52
1.39E-07	27.52
6.34E-08	27.381
6.34E-08	27.381
7.61E-08	30.2719
7.61E-08	30.2719
2.85E-07	30.2719
2.85E-07	30.2719
2.50E-07	30.8687
2.50E-07	30.8687
1.55E-07	30.6757
1.55E-07	30.6757
2.85E-07	33.4286
2.85E-07	33.4286
2.63E-07	33.861
2.63E-07	33.861
9.51E-07	36.0474

9.51E-07	36.0474
3.80E-07	36.2519
2.50E-06	38.0774
2.85E-06	37.9775
9.32E-06	39.4718
2.85E-05	39.0517
1.08E-04	40.1973
3.52E-04	39.6109
1.64E-03	40.3356
1.90E-03	39.173
2.17E-04	39.173
2.17E-04	39.173
1.20E-03	39.7158
9.60E-10	39.5297
4.72E-03	38.3281
1.33E-10	37.4046
1.33E-10	37.4046
3.61E-02	38.4531
4.21E-10	38.0809
1.17E-10	36.1199
3.23E-02	36.7512
3.23E-02	36.7512
1.28E-04	36.7251
3.52E-04	36.3748
3.52E-04	36.3748
0.00E+00	36.7064
1.57E-07	36.5354
1.74E-07	34.6594
2.02E-01	34.8332
2.02E-01	34.8332
2.76E-06	34.7765
2.76E-06	34.7765
2.41E+02	34.6651
0.00E+00	34.5338
2.88E-02	34.4536
2.20E-03	32.5293
1.01E-09	32.3822
4.69E-01	32.3393
2.85E-04	31.6898
4.34E-04	31.5898
4.34E-04	31.5898
1.65E-06	29.4384
1.60E-04	29.0284
1.60E-04	29.0284
1.10E-05	28.2678
1.69E-05	28.1528
1.69E-05	28.1528
2.54E-07	25.821
6.34E-07	24.4009
9.51E-12	-4.792
2.85E-11	-6.54
6.65E-11	11.0375

2.22E-10	12.375
4.44E-10	16.3055
1.62E-09	17.4706
1.62E-09	17.4706
0.00E+00	21.101
0.00E+00	21.101
1.17E-08	21.9416
1.17E-08	21.9416
2.82E-08	25.3192
2.82E-08	25.3192
8.02E-08	25.6901
8.02E-08	25.6901
2.01E-07	28.9279
2.01E-07	28.9279
3.36E-07	29.3705
3.36E-07	29.3705
6.69E-07	31.998
6.69E-07	31.998
6.72E-07	32.2638
6.72E-07	32.2638
1.77E-06	34.436
1.77E-06	34.436
1.65E-06	34.3747
1.65E-06	34.3747
5.70E-06	36.1693
5.70E-06	36.1693
1.24E-05	35.7724
1.24E-05	35.7724
1.36E-06	35.7379
1.36E-06	35.7379
1.36E-06	35.7379
3.30E-05	37.3322
3.30E-05	37.3322
3.20E-11	35.4932
1.35E-04	36.6832
6.27E-05	36.5798
6.27E-05	36.5798
2.37E-04	37.8645
2.37E-04	37.8645
2.68E-04	36.713
2.79E-02	37.8229
2.79E-02	37.8229
1.24E-03	36.4832
6.50E+11	37.3234
7.83E-03	35.698
0.00E+00	36.2929
5.01E+01	34.477
1.19E-02	34.3272
0.00E+00	34.7631
0.00E+00	32.7968
1.10E-02	32.5375
0.00E+00	32.6474

2.27E-03	30.4224
1.81E-04	30.0228
1.81E-04	30.0228
0.00E+00	29.9077
5.86E-05	27.3924
4.31E-07	26.9684
1.43E-03	26.6028
4.75E-06	23.7411
5.01E-03	22.598
4.75E-12	-1.788
4.75E-12	-1.788
9.06E-12	-3.612
9.06E-12	-3.612
1.96E-11	-3.612
1.96E-11	-3.612
6.97E-13	-7.5648
3.45E-11	-7.3148
3.45E-11	-7.3148
2.00E-10	-9.282
2.00E-10	-9.282
7.92E-10	12.8198
7.92E-10	12.8198
7.92E-10	12.8198
4.44E-10	12.6058
4.44E-10	12.6058
4.44E-10	12.6058
4.40E-09	14.195
3.17E-09	17.4431
3.17E-09	17.4431
4.94E-09	17.4431
4.94E-09	17.4431
2.66E-08	18.537
2.66E-08	18.537
4.63E-08	21.5502
4.63E-08	21.5502
3.74E-08	21.3923
3.74E-08	21.3923
8.24E-08	22.3261
8.24E-08	22.3261
1.05E-07	24.9521
1.05E-07	24.9521
2.57E-07	25.5964
2.57E-07	25.5964
4.34E-07	27.8712
4.34E-07	27.8712
4.94E-07	28.3008
4.94E-07	28.3008
1.36E-06	30.1869
1.36E-06	30.1869
6.53E-07	30.3187
6.53E-07	30.3187
1.51E-06	30.2502

1.51E-06	30.2502
1.51E-06	30.2502
8.08E-06	31.867
8.08E-06	31.867
1.29E-05	31.867
1.29E-05	31.867
2.03E-05	31.7149
2.03E-05	31.7149
1.60E-05	33.0051
1.60E-05	33.0051
7.29E-08	32.8841
1.68E-05	32.3008
5.45E-05	33.582
5.45E-05	33.582
8.71E-06	33.3348
8.14E-05	32.8814
8.14E-05	32.8814
3.96E-09	32.8814
3.61E-04	33.8093
2.92E-08	33.5433
5.64E-04	32.7765
9.19E-10	32.6411
5.07E-09	32.3449
2.01E-03	33.3943
1.24E-07	33.1041
1.24E-07	33.1041
4.34E-03	32.2621
1.90E-08	32.1547
1.33E-08	31.7863
5.10E-01	32.57
9.66E-07	32.2514
1.69E-02	31.14
1.69E-02	31.14
2.57E-07	31.0553
1.10E-03	30.5443
0.00E+00	31.1411
2.45E-07	30.7319
7.38E-03	29.5821
6.21E-03	28.7704
8.59E-03	29.095
1.39E-11	28.546
9.19E-05	27.2689
2.13E-03	26.3069
2.13E-03	26.3069
4.94E-05	26.4011
9.13E-07	24.3997
1.90E-06	23.1434
1.26E-06	20.75
9.82E-07	18.751
1.87E-12	3.502
7.92E-12	-1.0873
1.90E-11	-2.569

6.65E-11	-6.6474
3.42E-10	-7.9892
6.34E-10	11.7791
4.02E-09	12.7809
4.02E-09	12.7809
8.52E-09	16.3168
8.52E-09	16.3168
3.42E-08	16.9216
3.42E-08	16.9216
3.42E-08	16.9216
8.18E-08	20.2447
8.18E-08	20.2447
1.14E-07	20.6612
1.14E-07	20.6612
1.14E-07	20.6612
1.14E-07	20.6612
3.42E-07	23.5761
3.42E-07	23.5761
2.98E-07	23.7998
2.98E-07	23.7998
2.98E-07	23.7998
9.79E-07	26.3491
9.79E-07	26.3491
1.56E-06	26.1758
1.56E-06	26.1758
6.84E-07	26.0765
6.84E-07	26.0765
6.84E-07	26.0765
2.62E-06	28.5393
2.62E-06	28.5393
4.56E-06	28.1179
4.56E-06	28.1179
3.61E-06	28.1179
3.61E-06	28.1179
6.18E-06	30.2018
6.18E-06	30.2018
1.44E-05	29.6308
1.44E-05	29.6308
1.64E-05	29.6308
1.64E-05	29.6308
3.80E-05	31.3704
3.80E-05	31.3704
9.32E-05	30.593
9.66E-05	30.593
5.55E-04	32.0114
4.34E-04	31.051
1.35E-03	30.9102
1.35E-03	30.9102
4.44E+02	32.193
1.20E-03	31
4.75E-03	30.8239
4.75E-03	30.8239

0.00E+00	31.8267
7.32E-03	30.541
2.72E-03	30.2421
2.72E-03	30.2421
0.00E+00	30.9544
0.00E+00	29.5471
8.11E-05	29.0151
0.00E+00	29.5041
0.00E+00	27.6633
0.00E+00	27.3459
1.28E-01	25.2691
0.00E+00	24.6902
9.76E-06	22.2875
3.45E-11	20.7311
1.55E-05	20.9455
5.51E-06	16.2187
7.80E-05	13.097
1.17E-06	-8.346
9.51E-15	-5.114
1.65E-10	1.357
5.70E-10	-3.328
5.70E-10	-3.328
7.29E-12	-2.521
7.29E-12	-2.521
1.90E-09	-4.754
1.90E-09	-4.754
1.33E-08	-8.3005
1.33E-08	-8.3005
5.39E-11	-8.3005
5.39E-11	-8.3005
5.39E-11	-8.3005
4.75E-08	-9.403
4.75E-08	-9.403
4.75E-08	-9.403
4.44E-11	12.8011
4.44E-11	12.8011
1.01E-07	11.9511
9.82E-08	13.351
9.82E-08	13.351
2.19E-07	16.5873
2.19E-07	16.5873
1.69E-09	15.9573
1.69E-09	15.9573
1.69E-09	15.9573
3.49E-07	16.8851
3.49E-07	16.8851
6.18E-07	19.7558
6.12E-08	19.301
6.12E-08	19.301
8.71E-07	20.1901
8.71E-07	20.1901
9.19E-08	19.8161

1.62E-06	22.4435
1.62E-06	22.4435
4.94E-07	22.1085
4.94E-07	22.1085
4.94E-07	22.1085
2.25E-06	22.3467
2.25E-06	22.3467
1.30E-09	22.0779
1.30E-09	22.0779
4.37E-06	24.6022
2.66E-06	24.3446
2.66E-06	24.3446
4.94E-06	24.3333
7.03E-06	24.3333
2.38E-11	24.1714
0.00E+00	26.281
9.92E-06	25.982
1.83E-05	25.8722
2.05E-05	25.7162
4.12E-05	27.3189
4.02E-06	26.9537
4.02E-06	26.9537
6.27E-05	26.827
6.27E-05	26.827
6.24E-05	26.827
1.32E-04	28.155
1.14E-07	27.6724
2.10E-04	27.4966
1.61E-04	27.1024
1.61E-04	27.1024
3.23E-04	28.3412
1.71E-08	27.733
6.05E-04	27.4944
2.13E-04	26.9509
2.13E-04	26.9509
1.02E-09	26.7521
8.46E-04	28.0594
9.00E-10	27.3094
2.98E-03	27.0481
1.09E-09	26.2945
8.30E-03	27.182
6.46E-11	26.2625
3.36E-02	25.9833
0.00E+00	25.7612
3.77E+00	24.346
3.77E+00	24.346
0.00E+00	23.8206
7.99E-06	22.2531
7.10E-06	19.61
9.06E-06	21.0337
4.21E-08	19.6857
5.80E-06	16.7495

4.12E-06	13.638
2.47E-06	-9.2463
2.47E-06	-9.2463
9.51E-15	-6.076
9.51E-15	-1.651
7.29E-12	3.5678
7.29E-12	3.5678
9.51E-11	2.003
1.43E-10	-1.9392
1.43E-09	-3.1448
1.74E-09	-6.8261
1.70E-08	-7.5687
1.32E-08	-7.4717
1.55E-08	11.0453
1.55E-08	11.0453
1.34E-07	11.5413
1.34E-07	11.5413
2.00E-07	11.5413
2.00E-07	11.5413
1.53E-07	14.6813
1.53E-07	14.6813
4.82E-07	14.9799
4.82E-07	14.9799
5.80E-07	14.8989
5.80E-07	14.8989
7.95E-07	17.8154
7.95E-07	17.8154
1.62E-06	17.8782
1.62E-06	17.8782
2.25E-06	20.4169
2.25E-06	20.4169
2.53E-06	20.246
2.53E-06	20.246
4.15E-06	20.108
4.15E-06	20.108
6.65E-06	22.556
6.65E-06	22.556
9.51E-06	22.1945
1.10E-05	22.1945
2.03E-05	24.2076
2.03E-05	24.2076
2.85E-05	23.7139
2.85E-05	23.511
7.03E-05	25.3608
7.03E-05	25.3608
1.54E-05	24.7487
8.14E-05	24.4294
8.14E-05	24.4294
2.74E-04	26.0502
1.71E-04	25.228
2.32E-05	24.8032
2.32E-05	24.8032

2.45E-03	26.2433
1.06E-03	25.2579
1.93E-06	24.6288
1.93E-06	24.6288
5.26E+04	25.9336
5.26E+04	25.9336
4.02E-04	23.7638
4.02E-04	23.7638
5.93E-03	24.7866
1.97E-07	23.9614
1.52E-08	21.8374
1.40E+17	25.1097
1.30E-04	22.9237
1.73E+07	23.7701
1.76E-10	22.7563
0.00E+00	23.7854
0.00E+00	22.4519
2.55E-08	20.8185
0.00E+00	21.7485
3.71E-04	17.6144
2.22E+01	14.7283
2.22E+01	14.7283
6.88E-05	10.4915
1.21E-03	-7.5474
1.94E-05	-3.1843
5.10E-05	-0.1813
1.14E-06	4.477
2.09E-10	1.047
4.12E-10	1.047
2.00E-12	-2.213
2.00E-12	-2.213
4.75E-10	-3.1693
3.11E-10	-3.1693
1.01E-09	-6.3734
9.19E-12	-6.2624
1.90E-09	-7.205
1.90E-09	-7.205
8.40E-09	-7.205
8.40E-09	-7.205
2.14E-08	10.0611
2.14E-08	10.0611
1.58E-10	-9.8761
1.58E-10	-9.8761
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1.96E-07	10.903
2.00E-07	10.903
2.00E-07	10.903
3.93E-07	13.2401
3.93E-07	13.2401
3.83E-09	13.0001
3.83E-09	13.0001
1.10E-06	13.5458

1.10E-06	13.5458
1.25E-06	13.5458
1.25E-06	13.5458
2.00E-06	15.8729
2.00E-06	15.8729
1.01E-07	15.5659
1.01E-07	15.5659
3.01E-06	15.9901
3.01E-06	15.9901
3.64E-06	15.9901
3.64E-06	15.9901
3.96E-06	15.9901
5.80E-06	18.0237
5.80E-06	18.0237
2.76E-06	17.6227
2.76E-06	17.6227
9.76E-06	18.009
9.76E-06	18.009
1.90E-08	17.842
1.90E-08	17.842
7.61E-06	17.74
7.61E-06	17.74
7.61E-06	17.74
1.77E-05	19.6876
1.77E-05	19.6876
9.57E-06	19.1876
9.57E-06	19.1876
9.57E-06	19.1876
1.96E-05	19.3695
2.21E-05	19.3695
2.44E-07	19.121
5.13E-05	20.7984
4.69E-05	20.1184
4.69E-05	20.1184
4.69E-05	20.1184
6.91E-05	20.3701
5.89E-05	20.3701
5.89E-05	20.3701
1.27E-08	19.9419
2.05E-04	21.4159
2.05E-04	21.4159
1.12E-04	20.5699
1.12E-04	20.5699
1.12E-04	20.5699
1.96E-04	20.7329
1.96E-04	20.7329
1.34E-03	21.5399
9.66E-09	20.4418
1.28E-03	20.6673
4.12E-10	19.8618
3.39E-11	17.8339
4.18E-02	21.0617

1.71E-02	20.0279
2.82E-11	18.9831
3.30E+01	20.0544
5.77E-12	17.9529
3.68E+05	18.87
8.18E-11	17.2989
1.90E+19	18.2585
1.37E-02	14.7918
1.37E-02	14.7918
3.04E+06	14.5205
4.06E-06	11.8584
4.06E-06	11.8584
1.15E-04	-8.1173
1.15E-04	-8.1173
4.75E-05	-7.8673
4.75E-05	-7.8673
4.75E-05	-7.8673
1.33E-05	-6.2073
8.68E-05	-5.2306
8.68E-05	-5.2306
3.77E-05	-1.2002
3.77E-05	-1.2002
1.44E-05	1.6485
1.15E-06	2.996
1.15E-06	2.996
4.12E-06	5.8739
3.12E-06	8.821
1.05E-06	13.335
1.27E-11	-0.5384
1.27E-11	-0.5384
1.58E-10	-1.4153
7.80E-11	-4.5632
6.97E-10	-5.0538
2.95E-09	-4.9238
1.05E-09	-8.0713
1.05E-09	-8.0713
7.70E-09	-8.3599
1.17E-08	-8.3599
1.24E-08	11.005
1.24E-08	11.005
1.47E-07	11.0748
1.47E-07	11.0748
6.08E-08	10.8448
6.08E-08	10.8448
6.08E-08	10.8448
1.84E-07	13.4745
1.84E-07	13.4745
2.66E-06	13.358
2.66E-06	13.358
1.01E-06	13.154
1.01E-06	13.154
1.01E-06	13.154

3.36E-06	15.4734
3.36E-06	15.4734
8.71E-06	15.215
8.71E-06	15.215
7.86E-06	14.905
7.86E-06	14.905
7.86E-06	14.905
2.07E-05	16.9545
2.07E-05	16.9545
2.91E-05	16.5249
2.91E-05	16.5249
1.69E-05	16.1009
1.69E-05	16.1009
1.69E-05	16.1009
8.49E-05	17.9242
8.49E-05	17.9242
6.97E-05	17.3071
6.97E-05	17.3071
1.43E-06	16.6654
4.02E-04	18.3336
4.02E-04	18.3336
1.98E-04	17.509
1.98E-04	17.509
2.04E-11	16.6287
1.82E-09	16.0478
2.41E-02	18.1817
2.41E-02	18.1817
6.62E-04	17.1458
6.62E-04	17.1458
8.84E-08	15.7628
2.90E+00	17.4695
2.90E+00	17.4695
1.02E+02	16.3659
1.02E+02	16.3659
3.80E-01	15.9531
1.64E-08	12.4325
7.99E-07	10.9705
7.99E-07	10.9705
9.47E-15	10.3694
2.41E-17	-9.0139
5.42E-16	-8.893
1.43E-06	-7.4474
1.16E-13	-6.6534
5.20E-12	-4.4699
3.14E-18	-3.0544
3.14E-18	-3.0544
5.64E-11	-0.5403
5.64E-11	-0.5403
4.59E-09	1.7838
4.85E-08	5.9008
5.89E-06	8.3583
5.89E-06	8.3583

3.80E-06	12.802
3.80E-06	12.802
9.51E-15	15.465
5.39E-11	0
6.65E-11	0
8.87E-10	-0.1461
6.65E-10	-0.1411
8.56E-10	-0.1071
1.27E-09	-1.1876
1.27E-09	-1.1876
7.92E-09	-1.1876
7.92E-09	-1.1876
7.92E-09	-1.1876
1.04E-08	-3.4762
4.66E-09	-3.4392
1.24E-08	-3.9234
1.24E-08	-3.9234
1.24E-08	-6.3442
1.24E-08	-6.3442
6.34E-08	-6.2922
6.34E-08	-6.2922
6.34E-08	-6.2922
1.33E-07	-6.6721
1.33E-07	-6.6721
3.17E-08	-6.5701
3.17E-08	-6.5701
2.19E-07	-8.8191
2.19E-07	-8.8191
1.36E-06	-8.9877
1.36E-06	-8.9877
1.49E-06	-8.8837
1.49E-06	-8.8837
1.11E-07	-8.6527
1.11E-07	-8.6527
1.11E-07	-8.6527
2.82E-06	10.7895
2.82E-06	10.7895
5.83E-06	10.5909
5.83E-06	10.5909
5.77E-06	10.5909
5.77E-06	10.5909
1.46E-08	10.1992
1.46E-08	10.1992
1.46E-08	10.1992
1.40E-05	12.1635
1.40E-05	12.1635
1.75E-05	11.8753
1.75E-05	11.8753
3.42E-09	11.2883
5.10E-05	12.9715
5.10E-05	12.9715
5.83E-05	12.4196

5.83E-05	12.4196
2.05E-04	13.2426
2.05E-04	13.2426
1.86E-04	12.4914
1.86E-04	12.4914
6.18E-04	12.8796
6.18E-04	12.8796
9.25E-04	11.9718
9.25E-04	11.9718
8.24E-04	11.6471
8.24E-04	11.6471
9.95E-09	-8.6212
9.95E-09	-8.6212
9.95E-09	-8.6212
3.77E-09	-8.3982
3.77E-09	-8.3982
3.96E-15	-6.5795
1.77E-14	-3.3797
8.40E-15	-3.3207
2.41E-14	-3.1487
3.17E-12	-1.2551
9.51E-12	2.2573
9.51E-12	2.2573
9.51E-12	2.2573
3.17E-12	2.6703
1.02E-09	4.3956
1.02E-09	4.3956
4.75E-08	8.0987
4.75E-08	8.0987
1.77E-06	10.397
1.77E-06	10.397
7.07E-06	14.3522
7.07E-06	14.3522
4.37E-06	16.813
1.71E-06	20.8
1.58E-06	23.464
1.90E-10	5.0652
1.58E-10	5.1242
1.39E-10	1.9703
2.06E-09	1.4758
6.02E-10	1.4758
2.06E-09	-1.2308
2.06E-09	-1.2308
1.96E-08	-1.5181
1.96E-08	-1.5181
1.01E-08	-1.5181
1.01E-08	-1.5181
3.04E-08	-4.0061
3.04E-08	-4.0061
2.25E-07	-4.0722
2.25E-07	-4.0722
1.20E-07	-3.7922

1.20E-07	-3.7922
1.20E-07	-3.7922
3.17E-07	-6.275
3.17E-07	-6.275
1.40E-06	-6.1603
1.40E-06	-6.1603
8.52E-07	-5.7983
8.52E-07	-5.7983
2.22E-06	-7.9841
2.22E-06	-7.9841
5.39E-06	-7.7139
5.39E-06	-7.7139
1.08E-05	-9.1155
1.08E-05	-9.1155
1.76E-05	-8.631
1.76E-05	-8.631
5.74E-12	-7.732
4.63E-05	-9.648
4.63E-05	-9.648
5.42E-05	-8.9286
5.42E-05	-8.9286
2.74E-04	-9.5979
2.74E-04	-9.5979
1.67E-03	-8.7556
1.67E-03	-8.7556
4.53E-05	-8.6596
6.15E-10	-5.6983
8.56E-15	-4.3198
2.19E-17	-2.8771
2.19E-17	-2.8771
2.06E-16	-2.6947
2.06E-16	-2.6947
7.29E-14	-1.1686
1.43E-12	0.2556
1.71E-11	3.6586
1.11E-09	5.2175
1.25E-07	8.8308
1.76E-06	10.6134
4.88E-05	14.4724
4.88E-05	14.4724
1.05E-02	16.3736
4.63E-05	20.297
2.03E-04	22.44
8.87E-06	26.492
1.41E-05	28.774
6.59E-07	32.981
2.06E-06	35.384
3.80E-10	6.7609
3.80E-10	6.7609
1.55E-09	6.1222
1.81E-08	6.3222
2.12E-09	3.5964

2.12E-09	3.5964
6.02E-10	3.5964
7.29E-09	3.1418
7.29E-09	3.1418
7.29E-09	3.2438
7.29E-09	3.2438
1.74E-08	0.8613
5.39E-08	0.6085
5.39E-08	0.6085
8.24E-08	0.6495
3.17E-08	0.9245
3.17E-08	0.9245
1.20E-07	-1.3097
5.07E-07	-1.2426
5.07E-07	-1.2426
5.04E-07	-1.2426
5.04E-07	-1.2426
2.22E-08	-0.7116
2.22E-08	-0.7116
4.69E-07	-2.8416
4.69E-07	-2.8416
1.87E-06	-2.6652
1.87E-06	-2.6652
1.58E-06	-3.7692
1.58E-06	-3.7692
6.05E-06	-3.3462
6.05E-06	-3.3462
5.89E-06	-4.1577
5.89E-06	-4.1577
3.80E-05	-3.5376
3.80E-05	-3.5376
1.10E-06	-3.5498
1.10E-06	-3.5498
1.58E-10	-0.9584
1.06E-10	-0.8364
2.73E-15	0.3181
2.22E-14	2.9789
2.22E-14	2.9789
2.25E-15	3.1122
6.02E-13	4.3146
3.17E-11	7.0592
6.97E-10	7.1452
6.97E-10	7.1452
6.34E-10	8.6183
8.68E-07	11.4829
8.68E-07	11.4829
9.32E-06	13.2782
9.32E-06	13.2782
9.32E-06	13.2782
2.70E-05	16.3493
4.18E-05	18.3838
4.18E-05	18.3838

6.34E-06	21.6572
7.61E-06	23.814
1.55E-06	27.3731
4.69E-06	29.655
1.20E-06	33.282
1.59E-06	35.8162
6.05E-07	39.598
5.58E-07	42.328
1.58E-07	46.363
2.22E-11	9.2131
3.17E-11	8.6365
1.05E-09	8.6365
1.87E-09	6.0544
6.65E-09	5.8391
6.65E-09	5.8391
5.39E-09	5.8391
5.39E-09	5.8391
7.61E-09	3.5651
4.12E-08	3.5379
4.12E-08	3.5379
1.74E-09	4.0079
1.74E-09	4.0079
1.74E-09	4.0079
4.12E-08	1.7139
4.12E-08	1.7139
1.46E-07	1.855
1.46E-07	1.855
1.17E-07	0.4611
1.17E-07	0.4611
4.12E-07	0.8365
4.12E-07	0.8365
4.12E-07	-0.1914
4.12E-07	-0.1914
5.20E-06	0.3577
5.20E-06	0.3577
6.65E-11	2.1277
6.65E-11	2.1277
7.80E-08	0.1005
7.80E-08	0.1005
4.91E-11	2.5335
5.77E-15	3.291
5.77E-15	3.291
6.34E-18	4.7986
4.50E-17	5.0021
1.90E-17	5.317
5.07E-14	5.8873
7.99E-13	6.6511
3.17E-10	9.3942
5.70E-10	10.2729
8.87E-07	12.9639
8.87E-07	12.9639
1.20E-06	14.3213

1.20E-06	14.3213
3.13E-02	17.2347
3.13E-02	17.2347
9.95E-03	18.8272
9.95E-03	18.8272
4.09E-02	21.994
1.60E+03	23.6691
1.60E+03	23.6691
8.02E-05	27.179
5.74E+00	28.9418
7.61E-06	32.5628
1.77E-04	34.5178
3.26E-06	38.396
7.92E-06	40.649
9.51E-07	44.767
9.51E-07	47.23
3.49E-10	13.5113
6.97E-10	13.5113
1.05E-09	13.5113
8.56E-10	11.1311
3.01E-09	10.7602
3.01E-09	10.7602
7.92E-10	11.2662
7.92E-10	11.2662
7.92E-10	11.2662
3.17E-09	8.8444
3.17E-09	8.8444
1.11E-08	8.7896
1.11E-08	8.7896
6.65E-09	7.205
2.95E-08	7.2785
2.95E-08	7.2785
2.32E-08	6.155
2.60E-07	6.429
2.60E-07	6.429
5.39E-09	6.0115
5.39E-09	6.0115
1.39E-11	8.1227
0.00E+00	8.1597
2.19E-15	8.7066
2.19E-15	8.7066
3.17E-16	10.2351
3.17E-16	10.2351
2.34E-14	10.7196
2.34E-14	10.7196
3.42E-14	10.8439
3.74E-13	11.5695
8.37E-10	13.7516
8.37E-10	13.7516
1.65E-09	14.5232
1.58E-07	16.6214
1.58E-07	16.6214

2.00E-06	16.6214
2.00E-06	16.6214
2.00E-06	16.6214
3.99E-06	17.8264
3.99E-06	17.8264
3.17E-04	20.2347
3.17E-04	20.2347
3.17E-04	20.2347
2.74E-02	21.6382
2.74E-02	21.6382
3.36E-03	24.3102
3.36E-03	24.3102
3.36E-03	24.3102
2.18E+01	25.8509
2.18E+01	25.8509
7.00E-04	28.896
1.19E-04	30.7535
3.87E-06	33.8078
1.43E-05	35.9173
3.77E-06	39.1483
4.59E-06	41.498
1.39E-06	45.103
1.27E-06	47.722
3.80E-06	51.508
1.20E-10	16.5021
2.85E-10	14.0426
2.85E-10	14.0426
1.27E-09	13.9057
9.51E-10	12.0911
9.51E-10	12.0911
4.44E-09	12.1189
3.17E-09	10.712
3.80E-08	10.9267
8.87E-10	10.3043
8.87E-10	10.3043
5.70E-12	12.3323
5.70E-12	12.3323
7.64E-12	12.2159
4.47E-15	12.8897
3.45E-15	12.3744
3.33E-14	14.4725
3.07E-13	14.6689
3.07E-13	14.6689
5.48E-11	16.938
7.10E-11	17.2029
1.90E-08	19.3857
2.57E-08	19.9963
1.66E-05	22.3102
1.66E-05	22.3102
5.80E-05	23.1971
5.10E-02	25.8062
1.91E+00	26.7722

1.91E+00	26.7722
7.35E+03	29.5865
1.58E-03	29.59
7.54E+04	30.864
7.54E+04	30.864
2.91E-03	33.8173
2.91E-03	33.8173
0.00E+00	35.4483
0.00E+00	35.4483
0.00E+00	35.4483
4.15E-05	38.7332
1.58E-15	40.5832
6.59E-02	40.6143
1.37E-05	44.2554
7.13E-05	46.454
8.94E-06	50.202
1.79E-05	52.625
1.62E-10	21.6145
1.68E-10	19.6632
5.39E-10	19.4854
4.44E-10	17.8715
3.33E-09	17.8004
3.33E-09	17.8004
1.14E-10	17.0687
3.80E-11	18.9187
3.80E-11	18.9187
3.58E-12	18.6689
1.68E-15	18.521
2.47E-14	20.3767
2.47E-14	20.3767
1.55E-13	20.3792
1.05E-10	22.116
1.62E-10	22.3207
2.69E-08	23.8702
5.39E-08	24.3406
3.42E-06	26.0332
3.42E-06	26.0332
7.29E-05	26.8318
7.29E-05	26.8318
2.51E-03	28.9242
2.51E-03	28.9242
4.12E-03	29.898
4.12E-03	29.898
4.75E-02	32.1745
4.75E-02	32.1745
4.75E-02	32.1745
3.26E+04	33.4257
3.26E+04	33.4257
3.58E-03	35.9478
3.58E-03	35.9478
7.38E-02	37.4901
7.64E-04	40.3412

2.22E-06	40.4152
2.22E-06	40.4152
4.66E-05	42.3305
1.73E-05	45.3463
1.65E-05	47.6419
4.31E-06	50.7689
4.31E-06	50.7689
2.05E-04	53.337
3.80E-06	56.803
5.07E-10	22.6994
4.75E-11	21.9233
1.33E-12	23.212
1.90E-15	23.029
1.90E-15	23.029
2.22E-14	24.591
2.22E-14	24.591
3.17E-14	24.299
5.70E-13	25.8383
5.70E-13	25.8383
2.85E-11	25.7137
2.66E-09	27.3773
8.24E-09	27.3288
2.09E-06	29.022
1.73E-05	29.2247
1.73E-05	29.2247
1.10E-04	31.2106
1.10E-04	31.2106
5.70E-02	31.6147
5.70E-02	31.6147
1.15E-02	33.8074
1.15E-02	33.8074
6.88E+01	34.6107
6.88E+01	34.6107
6.88E+01	34.6107
6.88E+01	34.6107
1.59E+05	36.92
1.59E+05	36.92
2.46E+05	38.1466
2.46E+05	38.1466
2.46E+05	38.1466
2.46E+05	38.1466
7.03E+08	40.9205
7.03E+08	40.9205
7.03E+08	40.9205
7.03E+08	40.9205
4.94E-05	40.9206
2.34E+07	42.4463
2.34E+07	42.4463
2.34E+07	42.4463
3.83E-15	42.4463
3.80E-15	45.1963
3.80E-15	45.1963

3.80E-15	45.1963
1.85E-02	45.3919
4.47E+09	47.3089
4.47E+09	47.3089
4.47E-05	50.5739
1.61E-03	52.7151
9.51E-06	56.197
3.20E-05	58.62
6.34E-14	31.5906
1.11E-09	32.738
1.62E-08	32.562
1.95E-06	33.701
1.95E-06	33.701
7.61E-06	33.7795
7.61E-06	33.7795
8.75E-06	35.2362
8.75E-06	35.2362
9.28E-05	35.6251
9.28E-05	35.6251
2.79E-05	37.361
6.88E-05	37.9496
6.88E-05	37.9496
1.20E-02	39.9565
1.08E+00	41.0447
1.08E+00	41.0447
1.54E+05	43.3793
1.54E+05	43.3793
1.54E+05	43.3793
2.57E-03	43.4393
2.57E-03	43.4393
2.15E+06	44.8733
2.15E+06	44.8733
1.43E-15	47.6733
5.80E-03	47.4563
6.46E-03	49.3124
1.18E-04	52.3147
1.37E-05	52.3147
1.37E-05	52.3147
2.64E-05	54.2618
4.18E-06	57.4184
1.05E-05	57.4184
3.52E-06	59.875
4.34E-06	63.202
3.49E-08	36.0882
6.34E-14	37.3997
3.23E-06	36.9336
3.23E-06	36.9336
1.64E-05	38.2854
1.64E-05	38.2854
6.31E-05	38.3655
6.31E-05	38.3655
3.96E-05	40.0518

3.96E-05	40.0518
1.00E-03	40.3496
1.00E-03	40.3496
4.82E-05	42.1837
4.82E-05	42.1837
7.92E-16	45.1837
2.86E+00	42.9027
2.86E+00	42.9027
1.24E-01	45.0933
1.24E-01	45.0933
5.70E-09	45.2393
2.69E-15	47.6933
3.49E-14	47.9933
8.78E+01	46.1647
8.78E+01	46.1647
2.41E+04	48.5899
2.41E+04	48.5899
2.38E-13	51.6899
8.24E-17	51.8929
6.56E+03	50.127
6.56E+03	50.127
1.14E-16	50.127
1.43E+01	52.9568
1.43E+01	52.9568
1.43E+01	52.9568
1.01E-15	55.1568
6.65E-13	55.1568
3.74E+05	54.7184
3.74E+05	54.7184
1.11E-16	56.7184
8.87E-16	56.7184
5.64E-04	57.7555
1.43E-15	59.4555
7.99E+07	59.8056
7.99E+07	59.8056
1.20E-17	62.2056
1.20E-03	63.1061
2.97E-02	65.3952
6.21E-03	68.996
3.17E-07	42.439
3.17E-07	42.439
2.50E-06	43.398
2.50E-06	43.398
6.08E-06	43.173
6.08E-06	43.173
4.40E-06	44.534
4.40E-06	44.534
1.96E-05	44.662
1.96E-05	44.662
6.84E-06	46.183
6.84E-06	46.183
5.99E-01	46.183

1.39E-04	46.571
1.39E-04	46.571
1.58E-16	48.971
1.86E-04	48.4231
1.86E-04	48.4231
3.80E+00	48.4231
1.36E-03	49.392
1.36E-03	49.392
5.17E-15	51.892
5.80E-03	51.5118
5.80E-03	51.5118
2.98E-11	54.5118
4.31E+02	52.936
4.31E+02	52.936
3.80E-14	55.136
1.83E-03	55.4697
1.83E-03	55.4697
1.41E+02	55.5183
1.41E+02	55.5183
1.41E+02	55.5183
4.44E-10	57.6697
4.44E-10	57.6697
4.44E-10	57.6697
7.38E+03	57.1761
7.38E+03	57.1761
1.74E-13	59.4761
1.15E-03	59.881
2.06E-13	59.881
2.85E-11	59.881
4.94E-05	59.9671
4.94E-05	59.9671
2.34E-04	61.8997
7.42E-05	64.9946
4.75E-05	64.9946
4.75E-05	64.9946
2.31E-12	66.9946
4.37E-05	67.154
1.90E-05	70.562
3.80E-06	73.104
1.90E-06	0
0.00E+00	47.2931
0.00E+00	47.2931
3.80E-06	46.7236
3.80E-06	46.7236
9.51E-06	47.91
9.51E-06	47.91
1.90E-05	47.89
1.90E-05	47.89
3.80E-05	49.277
3.80E-05	49.277
2.74E-04	49.3959
2.74E-04	49.3959

3.30E-04	51.192
3.30E-04	51.192
7.38E-02	51.7254
7.38E-02	51.7254
7.38E-02	51.7254
3.17E-19	53.7254
1.74E-15	54.7254
8.97E-02	53.7034
8.97E-02	53.7034
4.47E-01	54.8052
4.47E-01	54.8052
4.47E-01	54.8052
1.27E-18	54.8052
5.70E-15	57.6052
5.70E-15	57.6052
2.91E+01	57.1836
2.91E+01	57.1836
2.91E+01	57.1836
1.33E-15	59.0836
1.81E+01	58.4537
1.81E+01	58.4537
1.58E-14	58.4537
1.08E-09	59.4939
8.49E+03	61.0047
8.49E+03	61.0047
4.75E+03	62.6184
4.75E+03	62.6184
1.56E+07	65.5339
3.49E+05	67.3922
3.49E+05	67.3922
1.22E-04	70.7501
8.30E+03	72.989
8.30E+03	72.989
8.30E+03	72.989
3.20E-05	76.6476
5.48E-03	79.056
6.34E-07	52.704
6.34E-07	52.704
1.33E-06	53.403
1.33E-06	53.403
8.21E-02	46.183
1.90E-06	53.098
1.90E-06	53.098
4.56E-06	54.288
4.56E-06	54.288
9.13E-06	55.665
9.13E-06	55.665
5.70E-06	56.103
5.70E-06	56.103
1.33E-05	57.735
3.01E-16	57.735
1.90E-14	57.735

5.13E-04	58.6912
5.13E-04	58.6912
1.58E-16	60.8912
4.98E-04	60.7155
4.98E-04	60.7155
2.60E-14	60.7155
1.35E-02	61.8154
1.35E-02	61.8154
4.94E-03	63.9684
4.94E-03	63.9684
1.38E+03	65.4906
9.00E+00	68.08
2.70E-03	68.08
2.70E-03	68.08
9.03E-01	69.8496
9.03E-01	69.8496
9.03E-01	69.8496
3.68E-04	72.9514
1.06E-04	75.2276
3.80E-06	78.534
3.80E-06	78.534
1.90E-05	80.929
3.80E-06	84.393
6.65E-08	57.818
6.65E-08	57.818
6.65E-10	57.203
1.24E-06	58.145
1.24E-06	58.145
1.83E-06	58.034
1.83E-06	58.034
1.83E-06	58.034
7.19E-06	59.361
7.19E-06	59.361
7.03E-06	59.3376
7.03E-06	59.3376
7.03E-06	59.3376
2.03E-05	60.945
2.03E-05	60.945
3.68E-05	61.4792
2.94E-03	63.3869
2.94E-03	63.3869
4.09E-03	64.0917
4.09E-03	64.0917
4.09E-03	64.0917
1.43E-15	66.5917
3.55E-04	66.1366
3.55E-04	66.1366
9.13E-01	67.2398
9.13E-01	67.2398
3.52E+02	69.7256
3.52E+02	69.7256
1.31E+01	71.1718

1.31E+01	71.1718
8.97E+02	74.1346
8.97E+02	74.1346
2.65E+00	76.034
2.65E+00	76.034
4.88E-02	79.301
4.88E-02	79.301
1.66E-01	81.3408
1.66E-01	81.3408
1.62E-04	84.809
2.34E-05	87.039
2.34E-05	87.039
2.34E-05	87.039
3.17E-08	64.199
3.17E-08	64.199
2.54E-07	63.843
4.28E-07	64.967
4.28E-07	64.967
6.65E-07	64.783
6.65E-07	64.783
1.17E-06	66.027
1.17E-06	66.027
2.09E-06	66.438
2.09E-06	66.438
1.46E-05	67.902
1.46E-05	67.902
1.46E-05	67.902
8.65E-06	68.61
8.65E-06	68.61
1.71E+00	68.61
5.13E-05	70.301
5.13E-05	70.301
1.94E-04	71.176
1.94E-04	71.176
9.82E-04	73.227
9.82E-04	73.227
2.53E-04	73.227
3.77E-03	74.5122
3.77E-03	74.5122
1.29E+00	77.294
1.29E+00	77.294
1.29E+00	77.294
5.61E-02	79.0137
5.61E-02	79.0137
7.54E-01	81.992
7.54E-01	81.992
7.54E-01	81.992
7.54E-01	81.992
4.47E-03	82.072
4.47E-03	82.072
4.47E-03	82.072
4.47E-03	82.072

4.47E-03	82.072
1.09E-01	84.0889
1.09E-01	84.0889
1.09E-01	84.0889
4.82E-05	87.186
8.68E-04	87.186
2.11E-02	89.403
2.11E-02	89.403
5.70E-06	92.702
5.70E-06	92.702
2.54E-11	68.4
5.70E-09	69.259
1.05E-10	69.009
1.33E-07	70.221
1.33E-07	70.221
3.49E-08	70.1406
3.49E-08	70.1406
3.49E-08	70.1406
9.19E-07	71.583
9.19E-07	71.583
1.36E-07	71.583
1.14E-06	71.9064
1.14E-06	71.9064
1.14E-06	71.9064
4.94E-06	73.619
4.94E-06	73.619
5.70E-05	74.0736
5.70E-05	74.0736
5.70E-05	74.0736
5.70E-08	74.0736
5.70E-08	74.0736
5.70E-08	74.0736
5.70E-08	74.0736
5.70E-08	74.0736
6.05E-04	75.9866
6.05E-04	75.9866
2.90E-03	76.8174
2.90E-03	76.8174
8.21E-03	79.3495
8.21E-03	79.3495
3.71E-04	80.9042
3.71E-04	80.9042
2.29E-03	83.7992
2.29E-03	83.7992
3.00E-04	85.4861
3.00E-04	85.4861
2.75E-01	88.5895
2.75E-01	88.5895
1.17E-11	90.426
4.75E-08	93.704
1.27E-10	95.644
2.85E-11	75.292
2.85E-11	75.292

1.11E-08	75.592
1.11E-08	75.592
3.17E-08	76.276
3.17E-08	76.276
3.17E-08	76.276
3.55E-08	76.043
2.22E-07	77.149
2.22E-07	77.149
2.22E-07	77.149
7.61E-07	77.326
7.61E-07	77.326
1.65E-06	78.636
1.65E-06	78.636
7.61E-06	79.027
7.61E-06	79.027
4.37E-06	80.63
1.14E-05	81.301
1.14E-05	81.301
1.90E-05	83.514
5.32E-05	83.514
5.13E-05	84.843
5.13E-05	84.843
5.13E-05	84.843
1.46E-04	87.6154
1.46E-04	87.6154
1.46E-04	87.6154
6.31E-04	88.9962
6.31E-04	88.9962
6.31E-04	88.9962
1.41E-01	91.6882
1.41E-01	91.6882
1.08E-04	91.6882
1.08E-04	91.6882
1.83E-04	93.624
1.83E-04	93.624
8.71E-02	96.551
8.71E-02	96.551
8.71E-02	96.551
8.71E-02	96.551
7.61E-05	98.478
5.70E-06	1.407
5.70E-06	1.407
6.34E-14	80.664
1.71E-12	81.816
1.90E-13	81.516
1.90E-13	81.516
1.90E-13	81.516
2.47E-08	82.914
2.47E-08	82.914
2.47E-08	82.914
2.95E-08	83.001
7.19E-08	82.8811

7.19E-08	82.8811
7.19E-08	82.8811
7.13E-02	82.8811
3.08E-06	84.466
3.08E-06	84.466
1.62E-06	84.7243
1.62E-06	84.7243
1.62E-06	84.7243
8.87E-09	84.7243
5.89E-06	86.8536
5.89E-06	86.8536
9.22E-08	87.8237
9.22E-08	87.8237
7.92E-07	90.2405
7.92E-07	90.2405
3.80E-11	91.479
1.10E-04	94.109
1.10E-04	94.109
1.10E-04	94.109
3.36E-09	95.611
0.00E+00	98.504
0.00E+00	98.504
1.58E-10	99.951
3.80E-05	2.979
3.80E-05	2.979
1.90E-06	4.649
0.00E+00	87.896
0.00E+00	87.896
1.14E-08	88.837
1.14E-08	88.837
1.14E-08	88.837
1.81E-08	88.687
1.81E-08	88.687
4.75E-08	88.687
4.75E-08	88.687
4.12E-07	89.847
4.12E-07	89.847
6.97E-07	90.057
6.97E-07	90.057
6.97E-07	90.057
8.56E-07	91.872
8.56E-07	91.872
8.56E-07	91.872
2.05E-08	92.735
2.05E-08	92.735
1.30E-07	94.839
1.30E-07	94.839
1.96E-07	95.852
1.96E-07	95.852
5.70E-06	98.276
5.70E-06	98.276
5.70E-06	98.276

7.42E-05	99.561
4.56E-04	2.123
4.56E-04	2.123
4.56E-04	2.123
5.70E-04	3.669
1.14E-03	6.226
1.14E-03	6.226
1.14E-03	7.903
1.14E-03	7.903
1.14E-04	11.132
1.14E-04	11.132
1.52E-12	93.791
1.52E-12	93.791
5.70E-08	93.791
5.70E-08	93.791
7.29E-13	93.32
5.20E-08	94.397
5.20E-08	94.397
2.54E-08	94.397
2.03E-10	94.2357
2.03E-10	94.2357
1.49E-07	95.934
1.49E-07	95.934
1.49E-07	95.934
1.24E-07	95.934
1.24E-07	95.934
1.24E-07	95.934
3.80E-10	96.399
3.80E-10	96.399
1.01E-07	98.4
1.01E-07	98.4
6.65E-10	99.149
6.65E-10	99.149
2.06E-06	1.3154
2.06E-06	1.3154
2.06E-06	1.3154
7.29E-08	2.394
7.29E-08	2.394
1.90E-05	4.837
1.90E-05	4.837
1.14E-04	6.176
1.48E-03	8.709
1.14E-03	9.876
1.14E-03	9.876
2.62E-04	13.2
6.84E-04	15.174
6.84E-04	15.174
5.07E-08	0.041
5.07E-08	0.041
5.07E-08	0.72
5.07E-08	0.72
5.07E-08	0.72

4.75E-08	0.342
4.75E-08	0.342
2.41E-08	0.342
2.41E-08	0.342
1.27E-07	1.748
1.27E-07	1.748
1.27E-07	1.748
6.34E-07	1.748
1.62E-08	2.101
4.82E-08	3.676
4.82E-08	3.676
4.82E-08	3.676
5.70E-08	4.379
5.70E-08	4.379
1.11E-06	6.269
1.11E-06	6.269
8.56E-07	7.111
8.56E-07	7.111
8.56E-07	7.111
5.70E-06	9.361
2.85E-05	10.476
3.80E-05	12.738
3.80E-05	12.738
1.39E-04	13.99
3.64E-03	16.851
3.42E-04	18.728
3.42E-04	18.728
9.19E-11	5.415
9.19E-11	5.415
1.52E-08	6.656
1.52E-08	6.656
1.14E-10	6.5835
1.14E-10	6.5835
7.29E-09	8.162
7.29E-09	8.162
2.19E-10	8.424
2.19E-10	8.424
3.17E-08	10.216
3.17E-08	10.216
3.80E-09	10.216
3.80E-09	10.216
1.27E-08	10.784
2.54E-07	12.8176
2.54E-07	12.8176
6.65E-07	13.703
6.65E-07	13.703
9.51E-07	17
9.51E-07	17
1.90E-05	21.4
1.90E-05	21.4
4.56E-06	24.329
4.56E-06	24.329

1.14E-04	25.898
1.14E-04	25.898
1.90E-06	28.751
9.51E-12	13.614
3.80E-10	13.329
3.80E-10	13.329
2.54E-10	14.473
3.23E-09	14.473
6.34E-12	14.606
1.39E-08	16.068
2.85E-08	16.574
5.39E-11	18.246
5.39E-07	18.906
1.27E-06	25.92
3.17E-07	28.576
1.71E-04	30.053
1.71E-04	30.053
1.71E-04	32.68
1.71E-04	32.68
7.61E-05	34.368
0.00E+00	19.751
2.54E-11	19.5991
2.54E-11	19.5991
6.34E-11	21.173
6.34E-11	21.173
2.38E-11	21.473
2.38E-11	21.473
7.29E-11	21.185
7.29E-11	21.185
1.65E-09	22.761
1.65E-09	22.761
2.54E-08	22.761
3.07E-07	24.872
1.14E-07	25.426
1.27E-06	28.23
1.27E-06	28.23
1.27E-06	29.53
1.27E-06	29.53
1.58E-06	32.26
1.90E-06	33.333
1.90E-06	33.333
4.75E-09	35.953
1.14E-04	37.123
1.14E-04	37.123
3.80E-06	26.824
5.39E-11	27.893
3.17E-10	27.901
6.65E-10	29.224
1.57E-10	31.021
1.58E-07	31.47
3.17E-07	33.89
3.17E-07	33.89

6.34E-07	34.99
6.34E-07	34.99
6.34E-07	37.39
6.34E-07	37.393
3.07E-10	38.463
2.28E-08	40.801
1.14E-05	45.493
1.14E-05	45.493
9.51E-14	34.453
3.17E-12	33.944
5.67E-12	35.183
3.17E-12	34.806
3.17E-12	34.806
1.90E-10	35.936
1.90E-10	35.936
5.17E-11	36.056
2.19E-09	36.056
2.19E-09	36.056
3.17E-08	36.293
5.39E-12	38.665
6.34E-08	39.253
6.34E-08	39.25
6.34E-08	41.751
1.58E-07	42.551
1.58E-07	42.551
1.58E-07	44.98
3.17E-07	45.75
3.17E-07	45.75
5.70E-09	47.978
5.70E-09	47.978
3.52E-07	50.959
1.20E-10	43.091
1.58E-10	43.154
2.03E-10	45.05
3.17E-10	45.445
3.17E-09	47.636
3.17E-09	47.636
3.17E-08	48.591
3.17E-08	48.591
3.17E-08	50.53
3.17E-08	50.53
5.39E-09	51.338
1.14E-07	53.206
1.90E-06	54.043
1.90E-06	54.043
7.61E-06	56.012
7.61E-06	56.012
1.90E-05	56.878
1.90E-05	56.878
2.19E-11	52.712
3.17E-10	53.06
3.17E-10	53.06

3.17E-09	55.136
3.17E-09	55.136
3.17E-08	55.596
3.17E-08	55.596
1.58E-11	58.135
1.27E-07	60.023
1.27E-07	60.023
3.07E-09	60.574
9.19E-07	62.177
7.61E-12	
3.17E-09	64.36
1.52E-08	65.881
3.80E-06	66.488
3.80E-06	66.488
9.51E-06	68.117
9.51E-06	68.117
3.80E-05	68.643
3.80E-05	68.643
5.07E-12	71.26
5.07E-12	71.26
1.62E-08	72.884
2.54E-08	72.968
8.24E-08	74.449
1.01E-09	78.09
2.76E-09	79.31
3.17E-07	79.513
3.17E-07	79.513
3.17E-07	80.842
3.17E-07	80.842
1.90E-06	81.068
1.90E-06	81.068
4.75E-10	84.985
2.00E-10	86.31
5.70E-10	86.1
1.93E-09	0
3.17E-10	92.413
3.17E-10	92.413
1.58E-09	93.33
1.58E-09	93.33
5.70E-11	0
5.70E-11	0

A	Z	Element	Spin	Decay	branching %		
	1	0 n	Q	1/2+	B-	100	0 0.782
	1	1 H	Q	1/2+			0 0
	2	1 H	Q	1+			0 0
	3	1 H	Q	1/2+	B-	100	0 0.019
	4	1 H	Q		-2 N	100	0 2.91
	5	1 H	W		N	100	0 2.8
	6	1 H	Q	(2-)	N	100	0 -3
	7	1 H	W		2N?		
	3	2 HE	Q	1/2+			0 0
	4	2 HE	Q	0+			0 0
	5	2 HE	Q	3/2-	A	100	0 0.89
	5	2 HE	Q	3/2-	N	100	0 0.89
	6	2 HE	Q	0+	B-	100	0 3.508
	7	2 HE	Q	(3/2)-	N		0 0.44
	8	2 HE	Q	0+	B-	100	0 10.652
	8	2 HE	Q	0+	BN	16	0 8.619
	9	2 HE	Q	(1/2-)	N	100	0 1.15
	10	2 HE	Q	0+	2N ?		0 1.07
	3	3 LI	W		P ?		
	4	3 LI	Q		-2 P	100	0 3.1
	5	3 LI	Q	3/2-	A	100	0 1.97
	5	3 LI	Q	3/2-	P	100	0 1.97
	6	3 LI	Q	1+			0 0
	7	3 LI	Q	3/2-			0 0
	8	3 LI	Q	2+	B-	100	0 16.004
	8	3 LI	Q	2+	BA	100	0 16.096
	9	3 LI	Q	3/2-	B-	100	0 13.606
	9	3 LI	Q	3/2-	BN	50.8	0 11.941
	10	3 LI	Q	(1-,2-)	N		0 0.025
	11	3 LI	Q	3/2-	B-	100	0 20.62
	11	3 LI	Q	3/2-	BNA	0.027	0 12.71
	11	3 LI	Q	3/2-	BN		0 20.12
	12	3 LI	W		N ?		1.200S
	5	4 BE	Q	(1/2+)	P		0.005S
	6	4 BE	Q	0+	P	100	0 -0.59
	6	4 BE	Q	0+	A	100	0 0
	7	4 BE	Q	3/2-	EC	100	0 0.862
	8	4 BE	Q	0+	A	100	0 0.092
	9	4 BE	Q	3/2-			0 0
	10	4 BE	Q	0+	B-	100	0 0.556
	11	4 BE	Q	1/2+	B-	100	0 11.506
	11	4 BE	Q	1/2+	BA	3.1	0 2.841
	12	4 BE	Q	0+	B-	100	0 11.708
	12	4 BE	Q	0+	BN&	1	0 8.337
	13	4 BE	Q	(1/2-)	N		0 0.5
	14	4 BE	Q	0+	B-	100	0 16.22
	14	4 BE	Q	0+	BN	94	0 15.25
	14	4 BE	Q	0+	B2N	6	0 10.37
	15	4 BE	W		N ?		
	16	4 BE	W	0+	2N ?		
	6	5 B	W		2P ?		

7	5 B	Q	(3/2-)	P		0	2.2
7	5 B	Q	(3/2-)	A		0	0
8	5 B	Q	2+	EC	100	0	17.979
8	5 B	Q	2+	EA	100	0	18.071
9	5 B	Q	3/2-	P	100	0	0.185
9	5 B	Q	3/2-	2A	100	0	0.277
10	5 B	Q	3+			0	0
11	5 B	Q	3/2-			0	0
12	5 B	Q	1+	B-	100	0	13.369
12	5 B	Q	1+	B3A	1.58	0	0
13	5 B	Q	3/2-	B-	100	0	13.437
14	5 B	Q		-2 B-	100	0	20.644
14	5 B	Q		-2 BN	6.04	0	12.467
15	5 B	Q		B-	100	0	19.094
15	5 B	Q		BN	93.6	0	17.876
15	5 B	Q		B2N	0.4	0	9.699
16	5 B	Q		0 N		0	0.04
17	5 B	Q	(3/2-)	B-	100	0	22.68
17	5 B	Q	(3/2-)	BN	63	0	21.95
17	5 B	Q	(3/2-)	B2N	11	0	17.7
17	5 B	Q	(3/2-)	B3N	3.5	0	22.68
17	5 B	Q	(3/2-)	B4N	0.4	0	22.68
18	5 B	W	(4-)	N ?		0	0.500S
19	5 B	W	(3/2-)	B-	100	0	26.500S
19	5 B	W	(3/2-)	BN	72	0	26.400S
19	5 B	W	(3/2-)	B2N	16	0	22.200S
8	6 C	Q	0+	P		0	-0.06
8	6 C	Q	0+	A		0	0
9	6 C	Q	(3/2-)	EC	100	0	16.498
9	6 C	Q	(3/2-)	EP	83	0	16.683
9	6 C	Q	(3/2-)	EA	17	0	14.81
10	6 C	Q	0+	EC	100	0	3.648
11	6 C	Q	3/2-	EC	100	0	1.982
12	6 C	Q	0+			0	0
13	6 C	Q	1/2-			0	0
14	6 C	Q	0+	B-	100	0	0.156
15	6 C	Q	1/2+	B-	100	0	9.772
16	6 C	Q	0+	B-	100	0	8.011
16	6 C	Q	0+	BN	99	0	5.521
17	6 C	Q		B-	100	0	13.166
17	6 C	Q		BN	32	0	7.282
18	6 C	Q	0+	B-	100	0	11.81
18	6 C	Q	0+	BN	31.5	0	8.98
19	6 C	W		BN	61	0	11.64
19	6 C	W		B-		0	16.97
20	6 C	Q	0+	B-	100	0	15.79
20	6 C	Q	0+	BN	72	0	13.63
21	6 C	W	(1/2+)	N ?		0	0.300S
22	6 C	Q	0+	B-	100	0	20.500S
22	6 C	Q	0+	BN	61	0	19.300S
22	6 C	Q	0+	B2N>	0	0	14.700S
10	7 N	W	(1-)	P ?		0	3.500S

11M	7 N	Q	1/2+	P	100	0.32	2.29
12	7 N	Q	1+	EC	100	0	17.338
13	7 N	Q	1/2-	EC	100	0	2.22
14	7 N	Q	1+			0	0
! 14M	7 N	Q		-4 P	79	8.49	0.94
! 14M	7 N	Q		-4 IT	21	8.49	8.49
! 14M	7 N	Q	5+	P	81	8.964	1.414
! 14M	7 N	Q	5+	IT	19	8.964	8.964
! 14M	7 N	Q	3+	P	80	9.129	1.579
! 14M	7 N	Q	3+	IT	20	9.129	9.129
15	7 N	Q	1/2-			0	0
! 15M	7 N	Q	9/2+	IT		10.6932	10.693
! 15M	7 N	Q	9/2+	P		10.6932	0.486
16	7 N	Q		-2 B-	100	0	10.42
16	7 N	Q		-2 BA	1.20E-03	0	3.259
17	7 N	Q	1/2-	B-	100	0	8.68
17	7 N	Q	1/2-	BN	95.1	0	4.536
18	7 N	Q		-1 B-	100	0	13.899
18	7 N	Q		-1 BN	14.3	0	5.855
18	7 N	Q		-1 BA	12.2	0	7.672
19	7 N	Q		B-	100	0	12.527
19	7 N	Q		BN	54.6	0	8.571
20	7 N	Q		B-	100	0	17.97
20	7 N	Q		BN	57	0	10.36
21	7 N	Q	(1/2-)	B-	100	0	17.17
21	7 N	Q	(1/2-)	BN	81	0	13.36
22	7 N	Q		B-	100	0	22.8
22	7 N	Q		BN	36	0	15.95
22	7 N	Q		B2N<	13	0	12.14
23	7 N	Q		B-	100	0	23.100S
23	7 N	Q		BN	42	0	20.400S
23	7 N	Q		B2N	8	0	13.500S
24	7 N	Q		N ?		0	0
25	7 N	W		N ?			
12	8 O	Q	0+	P		0	-0.2
13	8 O	Q	(3/2-)	EC	100	0	17.765
13	8 O	Q	(3/2-)	EP@	100	0	15.822
14	8 O	Q	0+	EC	100	0	5.143
15	8 O	Q	1/2-	EC	100	0	2.754
16	8 O	Q	0+			0	0
17	8 O	Q	5/2+			0	0
18	8 O	Q	0+			0	0
19	8 O	Q	5/2+	B-	100	0	4.821
20	8 O	Q	0+	B-	100	0	3.814
21	8 O	Q	(5/2+)	B-	100	0	8.109
22	8 O	Q	0+	B-	100	0	6.49
22	8 O	Q	0+	BN<	22	0	1.26
23	8 O	Q		B-	100	0	11.29
23	8 O	Q		BN	31	0	3.75
24	8 O	Q	0+	B-	100	0	11.4
24	8 O	Q	0+	BN	18	0	7.6
25	8 O	Q	(3/2+)	N		0	0.100S

26	8 O	Q	0+	N		0	0
27	8 O	W		N ?			
28	8 O	W	0+	N ?			
14	9 F	N	(2-)	P		0	3.200S
15	9 F	Q	(1/2+)	P	100	0	1.48
16	9 F	Q		0 P	100	0	0.536
17	9 F	Q	5/2+	EC	100	0	2.761
18	9 F	Q	1+	EC	100	0	1.656
19	9 F	Q	1/2+			0	0
20	9 F	Q	2+	B-	100	0	7.025
21	9 F	Q	5/2+	B-	100	0	5.684
22	9 F	Q	(4+)	B-	100	0	10.818
22	9 F	Q	(4+)	BN<	11	0	0.454
23	9 F	Q	(3/2,5/2)+	B-	100	0	8.48
24	9 F	Q	(1,2,3)+	B-	100	0	13.49
24	9 F	Q	(1,2,3)+	BN<	5.9	0	4.63
25	9 F	Q	(5/2+)	B-	100	0	13.33
25	9 F	Q	(5/2+)	BN	14	0	9.14
26	9 F	Q	1+	B-	100	0	17.86
26	9 F	Q	1+	BN	11	0	12.28
27	9 F	Q	(5/2+)	B-	100	0	18
27	9 F	Q	(5/2+)	BN	77	0	16.5
28	9 F	Q		N		0	0.100S
29	9 F	Q	(5/2+)	B-	100	0	22.300S
29	9 F	Q	(5/2+)	BN	100	0	20.900S
29	9 F	Q	(5/2+)	B-		0	22.300S
30	9 F	W		N ?			
31	9 F	W		B-?			
31	9 F	W		BN?			
16	10 NE	Q	0+	P	100	0	-0.07
17	10 NE	Q	1/2-	EC	100	0	14.53
17	10 NE	Q	1/2-	EP@	100	0	13.93
17	10 NE	Q	1/2-	EA		0	8.71
18	10 NE	Q	0+	EC	100	0	4.433
19	10 NE	Q	1/2+	EC	100	0	3.239
20	10 NE	Q	0+			0	0
21	10 NE	Q	3/2+			0	0
22	10 NE	Q	0+			0	0
23	10 NE	Q	5/2+	B-	100	0	4.376
24	10 NE	Q	0+	B-	100	0	2.47
25	10 NE	Q	(3/2)+	B-	100	0	7.3
26	10 NE	Q	0+	B-	100	0	7.33
26	10 NE	Q	0+	BN<	0.2	0	1.72
27	10 NE	Q	(3/2+)	B-	100	0	12.67
27	10 NE	Q	(3/2+)	BN	2	0	5.92
28	10 NE	Q	0+	B-	100	0	12.31
28	10 NE	Q	0+	BN	16	0	8.79
29	10 NE	Q	(3/2+)	B-	100	0	15.4
29	10 NE	Q	(3/2+)	BN	17	0	11
29	10 NE	Q	(3/2+)	B2N<	2.9	0	7.5
30	10 NE	Q	0+	B-	100	0	13.6
30	10 NE	Q	0+	BN<	26	0	11.5

	31	10 NE	Q		B-	100	0	18.200S
	32	10 NE	Q	0+	B-	100	0	18.900S
	33	10 NE	W		N ?			
	34	10 NE	W	0+	B-?			
	34	10 NE	W	0+	BN?			
	18	11 Na	W	(1-)	P ?		0	1.500S
	18	11 Na	W	(1-)	EC?		0	20.000S
	19	11 NA	Q	(5/2+)	P		0	0.333
	20	11 NA	Q	2+	EC	100	0	13.887
	20	11 NA	Q	2+	EA	20.05	0	9.157
	21	11 NA	Q	3/2+	EC	100	0	3.547
	22	11 NA	Q	3+	EC	100	0	2.842
	23	11 NA	Q	3/2+			0	0
	24	11 NA	Q	4+	B-	100	0	5.516
! 24M		11 NA	Q	1+	IT	99.95	0.4722	0.472
! 24M		11 NA	Q	1+	B-	0.05	0.4722	5.988
	25	11 NA	Q	5/2+	B-	100	0	3.835
	26	11 NA	Q	3+	B-	100	0	9.312
	27	11 NA	Q	5/2+	B-	100	0	9.01
	27	11 NA	Q	5/2+	BN	0.13	0	2.56
	28	11 NA	Q	1+	B-	100	0	13.99
	28	11 NA	Q	1+	BN	0.58	0	5.48
	29	11 NA	Q	3/2+	B-	100	0	13.28
	29	11 NA	Q	3/2+	BN	21.5	0	9.57
	30	11 NA	Q	2+	B-	100	0	17.48
	30	11 NA	Q	2+	BN	30	0	11.18
	30	11 NA	Q	2+	B-	1.17	0	17.48
	30	11 NA	Q	2+	BA	5.50E-05	0	5.74
	31	11 NA	Q	3/2+	B-	100	0	15.88
	31	11 NA	Q	3/2+	BN	37	0	13.47
	31	11 NA	Q	3/2+	B-	0.9	0	15.88
	32	11 NA	Q		B-	100	0	19.1
	32	11 NA	Q		BN	24	0	13.4
	32	11 NA	Q		B-	8	0	19.1
	33	11 NA	Q		B-	100	0	20.3
	33	11 NA	Q		BN	47	0	18.2
	33	11 NA	Q		B2N	13	0	12.6
	34	11 NA	Q		B-	100	0	24.100S
	34	11 NA	Q		BN&	100	0	19.200S
	34	11 NA	Q		B-		0	24.100S
	35	11 NA	Q		B-	100	0	24.900S
	35	11 NA	Q		BN		0	24.600S
	36	11 NA	W		N ?			
	37	11 NA	W		B-?			
	37	11 NA	W		BN?			
	19	12 MG	W		2P ?			
	20	12 MG	Q	0+	EC	100	0	10.73
	20	12 MG	Q	0+	EP@	27	0	8.53
	21	12 MG	Q	5/2+	EC	100	0	13.096
	21	12 MG	Q	5/2+	EP	32.6	0	10.665
	21	12 MG	Q	5/2+	EA<	0.5	0	6.535
	22	12 MG	Q	0+	EC	100	0	4.785

	23	12 MG	Q	3/2+	EC	100	0	4.057
	24	12 MG	Q	0+			0	0
	25	12 MG	Q	5/2+			0	0
	26	12 MG	Q	0+			0	0
	27	12 MG	Q	1/2+	B-	100	0	2.61
	28	12 MG	Q	0+	B-	100	0	1.832
	29	12 MG	Q	3/2+	B-	100	0	7.55
	30	12 MG	Q	0+	B-	100	0	6.99
	31	12 MG	Q		B-	100	0	11.74
	31	12 MG	Q		BN	1.7	0	4.59
	32	12 MG	Q	0+	B-	100	0	10.27
	32	12 MG	Q	0+	BN	5.5	0	6.09
	33	12 MG	Q		B-	100	0	13.71
	33	12 MG	Q		BN	17	0	8.19
	34	12 MG	Q	0+	B-	100	0	11.3
	34	12 MG	Q	0+	BN		0	8.9
	35	12 MG	Q	(7/2-)	B-	100	0	16.400S
	35	12 MG	Q	(7/2-)	BN	52	0	11.100S
	36	12 MG	Q	0+	B-		0	15.000S
	37	12 MG	Q	(7/2-)	B-	100	0	19.500S
	37	12 MG	Q	(7/2-)	BN		0	15.100S
	38	12 MG	Q	0+	B-?			
	39	12 MG	W		N ?			
	40	12 MG	Q	0+	B-?		0	0
	40	12 MG	Q	0+	BN?		0	0
	21	13 AL	Q	(5/2+)	P		0	1.300S
	22	13 AL	Q	(3)+	EC	100	0	18.580S
	22	13 AL	Q	(3)+	EP@	60	0	13.080S
	22	13 AL	Q	(3)+	EC	0.9	0	18.580S
	22	13 AL	Q	(3)+	EA	0.31	0	10.450S
	23	13 AL	Q	3/2+	EC	100	0	12.24
	23	13 AL	Q	3/2+	EP@	1.1	0	4.66
	24	13 AL	Q	4+	EC	100	0	13.878
	24	13 AL	Q	4+	EA	0.04	0	4.562
	24	13 AL	Q	4+	EP	1.60E-03	0	2.185
24M		13 AL	Q	1+	IT	82	0.4258	0.426
24M		13 AL	Q	1+	EC	18	0.4258	14.304
24M		13 AL	Q	1+	EA	0.03	0.4258	4.988
	25	13 AL	Q	5/2+	EC	100	0	4.277
	26	13 AL	Q	5+	EC	100	0	4.004
26M		13 AL	Q	0+	EC	100	0.2283	4.232
	27	13 AL	Q	5/2+			0	0
	28	13 AL	Q	3+	B-	100	0	4.642
	29	13 AL	Q	5/2+	B-	100	0	3.68
	30	13 AL	Q	3+	B-	100	0	8.561
	31	13 AL	Q	(3/2,5/2)+	B-	100	0	7.995
	32	13 AL	Q	1+	B-	100	0	13.02
	33	13 AL	Q	(5/2+)	B-	100	0	11.99
	33	13 AL	Q	(5/2+)	BN	8.5	0	7.5
	34	13 AL	Q		B-	100	0	17.09
	34	13 AL	Q		BN	27	0	9.56
	35	13 AL	Q		B-	100	0	14.3

35	13 AL	Q		BN	41	0	11.83
36	13 AL	Q		B-	100	0	18.3
36	13 AL	Q		BN<	31	0	12.2
37	13 AL	Q		B-	100	0	16.1
38	13 AL	Q		B-		0	19.500S
39	13 AL	Q	(3/2+)	B-		0	18.300S
40	13 AL	Q		B-		0	23.828S
40	13 AL	Q		BN		0	0
41	13 AL	Q		B-		0	0
42	13 AL	W		B-?			
42	13 AL	W		BN?			
22	14 SI	Q	0+	EC	100	0	13.980S
22	14 SI	Q	0+	EP	32	0	13.960S
23	14 SI	Q		EC	100	0	17.010S
23	14 SI	Q		EP@	73	0	16.880S
23	14 SI	Q		E2P<	4	0	11.380S
24	14 SI	Q	0+	EC	100	0	10.81
24	14 SI	Q	0+	EP	38	0	8.938
25	14 SI	Q	5/2+	EC	100	0	12.741
25	14 SI	Q	5/2+	EP		0	10.47
26	14 SI	Q	0+	EC	100	0	5.066
27	14 SI	Q	5/2+	EC	100	0	4.812
28	14 SI	Q	0+			0	0
29	14 SI	Q	1/2+			0	0
30	14 SI	Q	0+			0	0
31	14 SI	Q	3/2+	B-	100	0	1.492
32	14 SI	Q	0+	B-	100	0	0.225
33	14 SI	Q	(3/2+)	B-	100	0	5.845
34	14 SI	Q	0+	B-	100	0	4.601
35	14 SI	Q		B-	100	0	10.5
36	14 SI	Q	0+	B-	100	0	7.85
36	14 SI	Q	0+	BN<	10	0	4.39
37	14 SI	Q	(7/2-)	B-	100	0	12.47
37	14 SI	Q	(7/2-)	BN	17	0	5.66
38	14 SI	Q	0+	B-	100	0	10.7
38	14 SI	Q	0+	BN		0	7.2
39	14 SI	Q	(7/2-)	B-		0	14.800S
40	14 SI	Q	0+	B-		0	13.700S
40	14 SI	Q	0+	BN		0	10.000S
41	14 SI	Q				0	0
42	14 SI	Q	0+	B-		0	14.900S
43	14 SI	W		B-?			
43	14 SI	W		BN?			
44	14 SI	W	0+	B-?			
44	14 SI	W	0+	BN?			
24	15 P	W	(1+)	P ?		0	0.900S
24	15 P	W	(1+)	EC?		0	21.200S
25	15 P	Q	(1/2+)	P		0	0.830S
26	15 P	Q	(3+)	EC	100	0	18.120S
26	15 P	Q	(3+)	EP		0	12.600S
27	15 P	Q	1/2+	EC	100	0	11.63
27	15 P	Q	1/2+	EP	0.07	0	4.17

28	15 P	Q	3+	EC	100	0	14.332
28	15 P	Q	3+	EP	1.30E-03	0	2.747
28	15 P	Q	3+	EA	8.60E-04	0	4.347
29	15 P	Q	1/2+	EC	100	0	4.943
30	15 P	Q	1+	EC	100	0	4.232
31	15 P	Q	1/2+			0	0
32	15 P	Q	1+	B-	100	0	1.711
33	15 P	Q	1/2+	B-	100	0	0.249
34	15 P	Q	1+	B-	100	0	5.374
35	15 P	Q	1/2+	B-	100	0	3.989
36	15 P	Q		-4 B-	100	0	10.413
37	15 P	Q		B-	100	0	7.9
38	15 P	Q		B-	100	0	12.39
38	15 P	Q		BN<	10	0	4.36
39	15 P	Q		B-	100	0	10.51
39	15 P	Q		BN	26	0	6.14
40	15 P	Q	(2-,3-)	B-	100	0	14.5
40	15 P	Q	(2-,3-)	BN	15.8	0	6.75
41	15 P	Q		B-	100	0	13.8
41	15 P	Q		BN	30	0	9.9
42	15 P	Q		B-	100	0	17.300S
42	15 P	Q		BN	50	0	10.600S
43	15 P	Q		B-	100	0	15.600S
43	15 P	Q		BN	100	0	12.300S
44	15 P	Q		B-		0	20.100S
45	15 P			B-?		0	18.900S
46	15 P	Q		B-	100	0	22.600S
26	16 S	W	0+	2P ?		0	0.600S
27	16 S	Q	(5/2+)	EC	100	0	18.260S
27	16 S	Q	(5/2+)	EP	2.3	0	17.360S
27	16 S	Q	(5/2+)	E2P	1.1	0	11.840S
28	16 S	Q	0+	EC	100	0	11.23
28	16 S	Q	0+	EP	21	0	9.17
29	16 S	Q	5/2+	EC	100	0	13.79
29	16 S	Q	5/2+	EP	47	0	11.04
30	16 S	Q	0+	EC	100	0	6.138
31	16 S	Q	1/2+	EC	100	0	5.396
32	16 S	Q	0+			0	0
33	16 S	Q	3/2+			0	0
34	16 S	Q	0+			0	0
35	16 S	Q	3/2+	B-	100	0	0.167
36	16 S	Q	0+			0	0
37	16 S	Q	7/2-	B-	100	0	4.865
38	16 S	Q	0+	B-	100	0	2.937
39	16 S	Q	(3/2,5/2,7	/2)- B-	100	0	6.64
40	16 S	Q	0+	B-	100	0	4.71
41	16 S	Q	(7/2-)	B-	100	0	8.74
41	16 S	Q	(7/2-)	BN		0	0.88
42	16 S	Q	0+	B-	100	0	7.7
43	16 S	Q		B-	100	0	11.5
43	16 S	Q		BN	40	0	4.4
44	16 S	Q	0+	B-	100	0	9.100S

	44	16 S	Q	0+	BN	18	0	5.100S
	45	16 S	Q		B-	100	0	14.100S
	45	16 S	Q		BN	54	0	7.100S
	46	16 S	Q	0+	B-	100	0	14.400S
	47	16 S	N		B-?		0	18.300S
	48	16 S	Q	0+	B-		0	16.900S
	49	16 S	Q		N		0	0.300S
	28	17 CL	W	(1+)	P ?		0	1.800S
	29	17 CL	Q	(3/2+)	P		0	1.800S
	30	17 CL	Q	(3+)	P		0	0.310S
	31	17 CL	Q		EC	100	0	11.98
	31	17 CL	Q		EP	0.7	0	5.85
	32	17 CL	Q	1+	EC	100	0	12.685
	32	17 CL	Q	1+	EA	0.05	0	5.737
	32	17 CL	Q	1+	EP	0.03	0	3.821
	33	17 CL	Q	3/2+	EC	100	0	5.583
	34	17 CL	Q	0+	EC	100	0	5.491
34M		17 CL	Q	3+	EC	55.4	0.1464	5.637
34M		17 CL	Q	3+	IT	44.6	0.1464	0.146
	35	17 CL	Q	3/2+			0	0
	36	17 CL	Q	2+	B-	98.1	0	0.709
	36	17 CL	Q	2+	EC	1.9	0	1.142
	37	17 CL	Q	3/2+			0	0
	38	17 CL	Q		-2 B-	100	0	4.917
38M		17 CL	Q		-5 IT	100	0.6714	0.671
	39	17 CL	Q	3/2+	B-	100	0	3.441
	40	17 CL	Q		-2 B-	100	0	7.48
	41	17 CL	Q	(1/2+,3/2+)	B-	100	0	5.73
	42	17 CL	Q		B-	100	0	9.43
	43	17 CL	Q		B-	100	0	7.95
	44	17 CL	Q		B-	100	0	12.27
	44	17 CL	Q		BN<	8	0	3.92
	45	17 CL	Q		B-	100	0	10.8
	45	17 CL	Q		BN	24	0	5.3
	46	17 CL	Q		B-	100	0	14.900S
	46	17 CL	Q		BN	60	0	6.900S
	47	17 CL	Q		B-	100	0	14.700S
	47	17 CL	Q		BN>	0	0	10.400S
	48	17 CL	Q		B-		0	18.400S
	49	17 CL	Q				0	0
	50	17 CL	W		B-?			
	51	17 CL	Q	(3/2+)	B-		0	18.900S
	30	18 AR	W	0+	P ?		0	-0.300S
	31	18 AR	Q	5/2+	EC	100	0	18.360S
	31	18 AR	Q	5/2+	EP	69	0	18.070S
	31	18 AR	Q	5/2+	EC	7.6	0	18.360S
	32	18 AR	Q	0+	EC	100	0	11.15
	32	18 AR	Q	0+	EP	43	0	9.58
	33	18 AR	Q	1/2+	EC	100	0	11.62
	33	18 AR	Q	1/2+	EP	38.7	0	9.35
	34	18 AR	Q	0+	EC	100	0	6.062
	35	18 AR	Q	3/2+	EC	100	0	5.965

	36	18 AR	Q	0+			0	0
	37	18 AR	Q	3/2+	EC	100	0	0.813
	38	18 AR	Q	0+			0	0
	39	18 AR	Q	7/2-	B-	100	0	0.565
	40	18 AR	Q	0+			0	0
	41	18 AR	Q	7/2-	B-	100	0	2.492
	42	18 AR	Q	0+	B-	100	0	0.6
	43	18 AR	Q	(5/2-)	B-	100	0	4.62
	44	18 AR	Q	0+	B-	100	0	3.55
	45	18 AR	Q		B-	100	0	6.89
	46	18 AR	Q	0+	B-	100	0	5.7
	47	18 AR	N	(3/2-)	B-	100	0	9.79
	47	18 AR	N	(3/2-)	BN<	0.002	0	1.44
	48	18 AR	Q	0+	B-		0	8.900S
	49	18 AR	Q				0	0
	50	18 AR	Q	0+			0	0
	51	18 AR	Q		B-?		0	15.700S
	52	18 AR	Q	0+	B-		0	14.500S
	53	18 AR	Q	(5/2-)	B-		0	17.800S
	53	18 AR	Q	(5/2-)	BN		0	13.900S
	32	19 K	W		P ?		0	1.800S
	33	19 K	Q	(3/2+)	P		0	1.650S
	34	19 K	Q	(1+)	P		0	0.600S
	35	19 K	Q	3/2+	EC	100	0	11.881
	35	19 K	Q	3/2+	EP	0.37	0	5.984
	36	19 K	Q	2+	EC	100	0	12.805
	36	19 K	Q	2+	EP	0.05	0	4.299
	36	19 K	Q	2+	EA	3.40E-03	0	6.166
	37	19 K	Q	3/2+	EC	100	0	6.149
	38	19 K	Q	3+	EC	100	0	5.913
38M		19 K	Q	0+	EC	100	0.1304	6.043
	39	19 K	Q	3/2+			0	0
	40	19 K	Q		-4 B-	89.28	0	1.311
	40	19 K	Q		-4 EC	10.72	0	1.505
	41	19 K	Q	3/2+			0	0
	42	19 K	Q		-2 B-	100	0	3.525
	43	19 K	Q	3/2+	B-	100	0	1.815
	44	19 K	Q		-2 B-	100	0	5.66
	45	19 K	Q	3/2+	B-	100	0	4.205
	46	19 K	Q	(2-)	B-	100	0	7.716
	47	19 K	Q	1/2+	B-	100	0	6.643
	48	19 K	Q	(2-)	B-	100	0	12.09
	48	19 K	Q	(2-)	BN	1.14	0	2.144
	49	19 K	Q	(3/2+)	B-	100	0	10.97
	49	19 K	Q	(3/2+)	BN	86	0	5.82
	50	19 K	Q	(0-,1,2-)	B-	100	0	14.2
	50	19 K	Q	(0-,1,2-)	BN	29	0	7.9
	51	19 K	Q	(1/2+,3/2+)	B-	100	0	13.900S
	51	19 K	Q	(1/2+,3/2+)	BN	47	0	9.500S
	52	19 K	Q	(2-)	B-	100	0	16.300S
	52	19 K	Q	(2-)	BN@	64	0	11.600S
	52	19 K	Q	(2-)	B-		0	16.300S

53	19 K	Q	(3/2+)	B-	100	0	15.900S
53	19 K	Q	(3/2+)	BN@	67	0	12.400S
53	19 K	Q	(3/2+)	B2N@	17	0	7.700S
54	19 K	Q		B-	100	0	18.000S
54	19 K	Q		BN>	0	0	14.200S
55	19 K	W		B-?			
55	19 K	W		BN?			
34	20 CA	Q	0+	P		0	-0.900S
35	20 CA	Q		EC	100	0	15.610S
35	20 CA	Q		EP	95.7	0	15.530S
35	20 CA	Q		E2P	4.2	0	10.860S
36	20 CA	Q	0+	EC	100	0	10.99
36	20 CA	Q	0+	EP	57	0	9.32
37	20 CA	Q	3/2+	EC	100	0	11.639
37	20 CA	Q	3/2+	EP	82.1	0	9.781
38	20 CA	Q	0+	EC	100	0	6.743
39	20 CA	Q	3/2+	EC	100	0	6.531
40	20 CA	Q	0+	2EC		0	0
41	20 CA	Q	7/2-	EC	100	0	0.421
42	20 CA	Q	0+			0	0
43	20 CA	Q	7/2-			0	0
44	20 CA	Q	0+			0	0
45	20 CA	Q	7/2-	B-	100	0	0.257
46	20 CA	Q	0+	2B-		0	0.99
47	20 CA	Q	7/2-	B-	100	0	1.992
48	20 CA	Q	0+	2B-	84	0	4.272
48	20 CA	Q	0+	B-<	25	0	0.278
49	20 CA	Q	3/2-	B-	100	0	5.262
50	20 CA	Q	0+	B-	100	0	4.966
51	20 CA	Q	(3/2-)	B-	100	0	7.33
51	20 CA	Q	(3/2-)	BN		0	0.58
52	20 CA	Q	0+	B-	100	0	7.9
52	20 CA	Q	0+	BN&	2	0	2.6
53	20 CA	Q	(3/2-,5/2-	) B-	100	0	10.100S
53	20 CA	Q	(3/2-,5/2-	) BN>	30	0	4.400S
54	20 CA	Q	0+	B-	100	0	10.900S
55	20 CA	W		B-?			
56	20 CA	Q	0+	B-?		0	12.200S
57	20 CA	W		B-?			
57	20 CA	W		BN?			
36	21 SC	W		P ?		0	2.200S
37	21 SC	W		P ?		0	2.000S
38	21 SC	Q	(2-)	P		0	0.900S
39	21 SC	Q	(7/2-)	P	100	0	0.602
40	21 SC	Q		-4 EC	100	0	14.32
40	21 SC	Q		-4 EP	0.44	0	5.991
40	21 SC	Q		-4 EA	0.02	0	7.279
41	21 SC	Q	7/2-	EC	100	0	6.495
42	21 SC	Q	0+	EC	100	0	6.426
42M	21 SC	Q	(7)+	EC	100	0.6163	7.042
43	21 SC	Q	7/2-	EC	100	0	2.221
! 43M	21 SC	Q	3/2+	IT	100	0.1514	0.151

	44	21 SC	Q	2+	EC	100	0	3.653
44M		21 SC	Q	6+	IT	98.8	0.2709	0.271
44M		21 SC	Q	6+	EC	1.2	0.2709	3.924
	45	21 SC	Q	7/2-			0	0
45M		21 SC	Q	3/2+	IT	100	0.012	0.012
	46	21 SC	Q	4+	B-	100	0	2.367
46M		21 SC	Q		-1 IT	100	0.1425	0.142
	47	21 SC	Q	7/2-	B-	100	0	0.6
	48	21 SC	Q	6+	B-	100	0	3.994
	49	21 SC	Q	7/2-	B-	100	0	2.006
	50	21 SC	Q	5+	B-	100	0	6.888
50M		21 SC	Q	(2,3)+	IT>	97.5	0.257	0.257
50M		21 SC	Q	(2,3)+	B-<	2.5	0.257	7.145
	51	21 SC	Q	(7/2)-	B-	100	0	6.508
	52	21 SC	Q	3(+)	B-	100	0	9.08
	53	21 SC	Q	(7/2-)	B-	100	0	8.900S
	53	21 SC	Q	(7/2-)	BN		0	3.400S
	54	21 SC	Q	(3,4+)	B-	100	0	11.3
	55	21 SC	Q	(7/2-)	B-	100	0	11.500S
	55	21 SC	Q	(7/2-)	BN		0	7.400S
	56	21 SC	Q	(1+)	B-		0	13.700S
	56	21 SC	Q	(1+)	BN		0	8.300S
	56	21 SC	Q	(6+,7+)	B-		0	13.700S
	56	21 SC	Q	(6+,7+)	BN		0	8.300S
	57	21 SC	N		B-	100	0	13.200S
	57	21 SC	N	(7/2-)	BN		0	9.700S
	58	21 SC	N	(3+)	B-	100	0	15.800S
	59	21 SC	W		B-?			
	59	21 SC	W		BN?			
	60	21 SC	W		B-			
	38	22 TI	Q	0+	2P ?		0	0
	39	22 TI	Q	(3/2+)	EC	100	0	15.400S
	39	22 TI	Q	(3/2+)	EP	14	0	16.000S
	40	22 TI	Q	0+	EC	100	0	11.68
	40	22 TI	Q	0+	EP	100	0	11.14
	41	22 TI	Q	3/2+	EC	100	0	12.930S
	41	22 TI	Q	3/2+	EP@	100	0	11.840S
	42	22 TI	Q	0+	EC	100	0	7
	43	22 TI	Q	7/2-	EC	100	0	6.867
	44	22 TI	Q	0+	EC	100	0	0.268
	45	22 TI	Q	7/2-	EC	100	0	2.062
	46	22 TI	Q	0+			0	0
	47	22 TI	Q	5/2-			0	0
	48	22 TI	Q	0+			0	0
	49	22 TI	Q	7/2-			0	0
	50	22 TI	Q	0+			0	0
	51	22 TI	Q	3/2-	B-	100	0	2.471
	52	22 TI	Q	0+	B-	100	0	1.973
	53	22 TI	Q	(3/2)-	B-	100	0	5.02
	54	22 TI	Q	0+	B-	100	0	4.12
	55	22 TI	Q	(3/2-)	B-	100	0	7.3
	56	22 TI	Q	0+	B-	100	0	7.1

	56	22 TI	Q	0+	BN		0	1.9
	57	22 TI	Q		B-	100	0	9.800S
	57	22 TI	Q		BN		0	3.600S
	58	22 TI	Q	0+	B-	100	0	8.800S
	59	22 TI	Q	(5/2-)	B-		0	11.800S
	60	22 TI	Q	0+	B-		0	10.400S
	61	22 TI	N		B-?			13.600S
	62	22 TI	W	0+	B-?			
	63	22 TI	W		B-?			
	63	22 TI	W		BN?			
	40	23 V	W		P ?		0	1.800S
	41	23 V	W		P ?		0	1.300S
	42	23 V	Q		P		0	0.260S
	43	23 V	Q		EC	100	0	11.300S
	44	23 V	Q	(2+)	EC	100	0	13.700S
44M	44	23 V	Q	(2+)	EA		0	8.580S
	45	23 V	Q	(6+)	EC	100	0	13.700S
	46	23 V	Q	7/2-	EC	100	0	7.133
! 46M	46	23 V	Q	0+	EC	100	0	7.051
	47	23 V	Q	3+	IT	100	0.8015	0.802
	48	23 V	Q	3/2-	EC	100	0	2.928
	49	23 V	Q	4+	EC	100	0	4.012
	49	23 V	Q	7/2-	EC	100	0	0.602
	50	23 V	Q	6+	EC	83	0	2.208
	50	23 V	Q	6+	B-	17	0	1.037
	51	23 V	Q	7/2-			0	0
	52	23 V	Q	3+	B-	100	0	3.975
	53	23 V	Q	7/2-	B-	100	0	3.436
	54	23 V	Q	3+	B-	100	0	7.042
	55	23 V	Q	(7/2-)	B-	100	0	5.96
	56	23 V	Q	(1+)	B-	100	0	9.05
	56	23 V	Q	1+	BN	0.06	0	0.79
	57	23 V	Q	(3/2-)	B-	100	0	8
	57	23 V	Q	(3/2-)	BN	0.04	0	2.8
	58	23 V	Q	(1+)	B-	100	0	11.6
	59	23 V	Q	(5/2-,3/2-)	) B-	100	0	9.9
	60	23 V	N		B-		0	13.8
! 60M		23 V	Q		B-	100	0	13.8
! 60M		23 V	Q		BN		0	6.7
60M		23 V	Q		B-	100	0	13.8
60M		23 V	Q		BN		0	6.7
	61	23 V	N	(3/2-)	B-		0	12.400S
	62	23 V	Q		B-		0	16.200S
	63	23 V	Q	(7/2-)	B-		0	13.900S
	64	23 V	Q		B-		0	0
	65	23 V	W		B-?			
	65	23 V	W		BN?			
	42	24 CR	Q	0+	EC		0	14.200S
	43	24 CR	Q	(3/2+)	EC	100	0	15.890S
	43	24 CR	Q	(3/2+)	EP	23	0	15.700S
	43	24 CR	Q	(3/2+)	EC	6	0	15.890S
	44	24 CR	Q	0+	EC	100	0	10.310S

	44	24 CR	Q	0+	EP>	7	0	8.500S
	45	24 CR	Q		EC	100	0	12.460S
	45	24 CR	Q		EP>	27	0	10.850S
	46	24 CR	Q	0+	EC	100	0	7.603
	47	24 CR	Q	3/2-	EC	100	0	7.452
	48	24 CR	Q	0+	EC	100	0	1.659
	49	24 CR	Q	5/2-	EC	100	0	2.631
	50	24 CR	Q	0+	2EC		0	0
	51	24 CR	Q	7/2-	EC	100	0	0.753
	52	24 CR	Q	0+			0	0
	53	24 CR	Q	3/2-			0	0
	54	24 CR	Q	0+			0	0
	55	24 CR	Q	3/2-	B-	100	0	2.603
	56	24 CR	Q	0+	B-	100	0	1.617
	57	24 CR	Q	3/2-,5/2-,	7/2- B-	100	0	5.09
	58	24 CR	Q	0+	B-	100	0	3.97
	59	24 CR	Q	(1/2-)	B-	100	0	7.6
	60	24 CR	Q	0+	B-	100	0	6.1
	61	24 CR	Q		B-	100	0	9
	62	24 CR	Q	0+	B-	100	0	7.3
	62	24 CR	Q	0+	BN		0	2.5
	63	24 CR	Q	(1/2-)	B-	100	0	11.200S
	63	24 CR	Q	(1/2-)	BN		0	4.900S
	64	24 CR		0+	B-		0	9.800S
	65	24 CR	Q	(1/2-)	B-		0	13.300S
	65	24 CR	Q	(1/2-)	BN?		0	7.400S
	66	24 CR	Q	0+	B-	100	0	0
	67	24 CR	N		B-?			0
	44	25 MN	Q	(2-)	EC		0	19.900S
	44	25 MN	Q	(2-)	P		0	1.200S
	45	25 MN	Q	(7/2-)	P		0	1.100S
	46	25 MN	Q	[4+]	EC	100	0	17.100S
	46	25 MN	Q	[4+]	EP	22	0	12.210S
	47	25 MN	Q		EC	100	0	12.290S
	47	25 MN	Q		EP>	3.4	0	7.520S
	48	25 MN	Q	4+	EC	100	0	13.820S
	48	25 MN	Q	4+	EP	0.28	0	5.720S
	48	25 MN	Q	4+	EA<	6.00E-04	0	6.130S
	49	25 MN	Q	5/2-	EC	100	0	7.715
	50	25 MN	Q	0+	EC	100	0	7.633
50M		25 MN	Q	5+	EC	100	0.229	7.862
	51	25 MN	Q	5/2-	EC	100	0	3.208
	52	25 MN	Q	6+	EC	100	0	4.712
52M		25 MN	Q	2+	EC	98.25	0.3777	5.09
52M		25 MN	Q	2+	IT	1.75	0.3777	0.378
	53	25 MN	Q	7/2-	EC	100	0	0.597
	54	25 MN	Q	3+	EC	100	0	1.377
	54	25 MN	Q	3+	B-<	2.90E-04	0	0.697
	55	25 MN	Q	5/2-			0	0
	56	25 MN	Q	3+	B-	100	0	3.695
	57	25 MN	Q	5/2-	B-	100	0	2.691
	58	25 MN	Q	1+	B-	100	0	6.25

58M		25 MN	Q	(4)+	B-@	80	0.0718	6.322
58M		25 MN	Q	(4)+	IT@	20	0.0718	0.072
	59	25 MN	Q	(5/2)-	B-	100	0	5.19
	60	25 MN	Q	0+	B-	100	0	8.5
60M		25 MN	Q	3+	B-	88.5	0.2719	8.772
60M		25 MN	Q	3+	IT	11.5	0.2719	0.272
	61	25 MN	Q	(5/2)-	B-	100	0	7.2
	62	25 MN	Q	1+	B-	100	0	10.4
	62	25 MN	Q	(3+,4+)	B-	100	0	10.4
	62	25 MN	Q	(3+,4+)	BN		0	2.4
	63	25 MN	Q	(5/2-)	B-	100	0	9
	64	25 MN	Q		B-	100	0	12
	64	25 MN	Q		BN	1.42	0	4.6
	65	25 MN	Q		B-	100	0	10.4
	65	25 MN	Q		BN	6.92	0	6.1
	66	25 MN	Q		B-	100	0	13.800S
	66	25 MN	Q		BN	10.88	0	6.700S
	67	25 MN	Q	(5/2-)	B-	100	0	12.900S
	67	25 MN	Q	(5/2-)	BN		0	8.500S
! 68M		25 MN	Q		B->	0	0	14.531S
! 68M		25 MN	Q		BN>	0	0	0
	69	25 MN	Q	5/2-	B-	100	0	0
	45	26 FE	Q	(3/2+)	2P		0	1.100S
	46	26 FE	Q	0+			0	0
	47	26 FE	Q		EC	100	0	15.600S
	47	26 FE	Q		EP		0	15.600S
	48	26 FE	Q	0+	EC	100	0	10.890S
	48	26 FE	Q	0+	EP>	3.6	0	9.160S
	49	26 FE	Q	(7/2-)	EC	100	0	13.030S
	49	26 FE	Q	(7/2-)	EP#	52	0	10.940S
	50	26 FE	Q	0+	EC	100	0	8.15
	50	26 FE	Q	0+	EP@	0	0	3.56
	51	26 FE	Q	5/2-	EC	100	0	8.02
	52	26 FE	Q	0+	EC	100	0	2.372
52M		26 FE	Q	(12+)	EC	100	6.82	9.192
	53	26 FE	Q	7/2-	EC	100	0	3.742
53M		26 FE	Q	19/2-	IT	100	3.0404	3.04
	54	26 FE	Q	0+			0	0
	55	26 FE	Q	3/2-	EC	100	0	0.231
	56	26 FE	Q	0+			0	0
	57	26 FE	Q	1/2-			0	0
	58	26 FE	Q	0+			0	0
	59	26 FE	Q	3/2-	B-	100	0	1.565
	60	26 FE	Q	0+	B-	100	0	0.237
	61	26 FE	Q	3/2-,5/2-	B-	100	0	3.978
	62	26 FE	Q	0+	B-	100	0	2.53
	63	26 FE	Q	(5/2)-	B-	100	0	6.06
	64	26 FE	Q	0+	B-	100	0	4.7
	65	26 FE	Q		B-	100	0	7.9
	66	26 FE	Q	0+	B-	100	0	5.7
	67	26 FE	Q		B-	100	0	8.7
	67	26 FE	Q		BN	1.13	0	1.4

	68	26 FE	Q	0+	B-	100	0	7.600S
	69	26 FE	Q	1/2-	B-	100	0	11.600S
	70	26 FE	Q	0+	B-	100	0	9.743S
	71	26 FE	Q	(7/2+)	B-		0	0
	72	26 FE	Q	0+	B-		0	0
	47	27 CO	W		P ?			
	49	27 CO	Q		EC		0	15.000S
	49	27 CO	Q		P		0	1.200S
	50	27 CO	Q	(6+)	EC	100	0	17.280S
	50	27 CO	Q	(6+)	EP>	54	0	13.130S
	51	27 CO	Q	(7/2-)	EC		0	12.940S
	52	27 CO	Q	(6+)	EC	100	0	14.410S
	53	27 CO	Q	(7/2-)	EC	100	0	8.302
53M		27 CO	Q	(19/2-)	EC@	98.5	3.19	11.492
53M		27 CO	Q	(19/2-)	P @	1.5	3.19	1.591
	54	27 CO	Q	0+	EC	100	0	8.243
54M		27 CO	Q	(7)+	EC	100	0.1974	8.44
	55	27 CO	Q	7/2-	EC	100	0	3.451
	56	27 CO	Q	4+	EC	100	0	4.566
	57	27 CO	Q	7/2-	EC	100	0	0.836
	58	27 CO	Q	2+	EC	100	0	2.307
58M		27 CO	Q	5+	IT	100	0.0249	0.025
	59	27 CO	Q	7/2-			0	0
	60	27 CO	Q	5+	B-	100	0	2.824
60M		27 CO	Q	2+	IT	99.76	0.0586	0.059
60M		27 CO	Q	2+	B-	0.24	0.0586	2.883
	61	27 CO	Q	7/2-	B-	100	0	1.322
	62	27 CO	Q	2+	B-	100	0	5.315
62M		27 CO	Q	5+	B->	99	0.022	5.337
62M		27 CO	Q	5+	IT<	1	0.022	0.022
	63	27 CO	Q	7/2-	B-	100	0	3.672
	64	27 CO	Q	1+	B-	100	0	7.307
	65	27 CO	Q	(7/2)-	B-	100	0	5.958
	66	27 CO	Q	(3+)	B-	100	0	10
	67	27 CO	Q	(7/2-)	B-	100	0	8.4
	68	27 CO	Q	(7-)	B-	100	0	11.7
68M		27 CO	Q	(3+)	B-	100	0	11.7
	69	27 CO	Q	7/2-	B-	100	0	9.3
	70	27 CO	Q	(6-)	B-	100	0	12.700S
70M		27 CO	Q	(3+)	B-	100	0	12.700S
	71	27 CO	Q		B-	100	0	10.900S
	71	27 CO	Q		BN	2.61	0	6.500S
	72	27 CO	N	(6-,7-)	B-	100	0	14.100S
	72	27 CO	N	(6-,7-)	BN	4.8	0	7.200S
	73	27 CO	Q		B-		0	12.827S
	74	27 CO	Q	0+	B-		0	0
	75	27 CO	Q	(7/2-)	B-	100	0	0
	48	28 NI	Q	0+	EC		0	0
	49	28 NI	Q		EC	100	0	0
	49	28 NI	Q		EP?		0	0
	50	28 NI	Q	0+	EP	70	0	13.500S
	50	28 NI	Q	0+	EC		0	13.400S

	51	28 NI	Q	(7/2-)	EC		0	15.800S
	52	28 NI	Q	0+	EC	100	0	11.260S
	52	28 NI	Q	0+	EP	17	0	10.270S
	53	28 NI	Q	(7/2-)	EC	100	0	13.260S
	53	28 NI	Q	(7/2-)	EP@	45	0	11.660S
	54	28 NI	Q	0+	EC	100	0	8.8
	55	28 NI	Q	7/2-	EC	100	0	8.694
	56	28 NI	Q	0+	EC	100	0	2.135
	57	28 NI	Q	3/2-	EC	100	0	3.264
	58	28 NI	Q	0+			0	0
	59	28 NI	Q	3/2-	EC	100	0	1.072
	60	28 NI	Q	0+			0	0
	61	28 NI	Q	3/2-			0	0
	62	28 NI	Q	0+			0	0
	63	28 NI	Q	1/2-	B-	100	0	0.067
	64	28 NI	Q	0+			0	0
	65	28 NI	Q	5/2-	B-	100	0	2.137
	66	28 NI	Q	0+	B-	100	0	0.226
	67	28 NI	Q	(1/2)-	B-	100	0	3.558
	68	28 NI	Q	0+	B-	100	0	2.06
! 68M		28 NI	Q		-5 IT	100	2.8491	2.849
	69	28 NI	Q	9/2+	B-	100	0	5.36
69M		28 NI	Q	1/2-	B-	100	0.321	5.681
	70	28 NI	Q	0+	B-	100	0	3.5
	71	28 NI	Q		B-	100	0	6.9
	72	28 NI	Q	0+	B-	100	0	5.400S
	72	28 NI	Q	0+	BN		0	0
	73	28 NI	Q	(9/2+)	B-	100	0	8.900S
	74	28 NI	Q	0+	B-	100	0	7.200S
	74	28 NI	Q	0+	BN		0	2.600S
	75	28 NI	Q	(7/2+)	B-	100	0	10.500S
	75	28 NI	Q	(7/2+)	BN	8.43	0	3.800S
	76	28 NI	Q	0+	B-	100	0	8.700S
	76	28 NI	Q	0+	BN		0	4.600S
	77	28 NI	Q		B-?		0	12.000S
	78	28 NI	Q	0+	B-		0	10.200S
	52	29 CU	Q	(3+)	P		0	1.500S
	53	29 CU	Q	(3/2-)	EC		0	15.900S
	53	29 CU	Q	(3/2-)	P		0	1.900S
	54	29 CU	Q	(3+)	P		0	0.400S
	55	29 CU	Q	3/2-	EC	100	0	13.700S
	56	29 CU	Q	4+	EC		0	15.300S
	57	29 CU	Q	3/2-	EC	100	0	8.77
	58	29 CU	Q	1+	EC	100	0	8.563
	59	29 CU	Q	3/2-	EC	100	0	4.8
	60	29 CU	Q	2+	EC	100	0	6.127
	61	29 CU	Q	3/2-	EC	100	0	2.237
	62	29 CU	Q	1+	EC	100	0	3.948
	63	29 CU	Q	3/2-			0	0
	64	29 CU	Q	1+	EC	61	0	1.675
	64	29 CU	Q	1+	B-	39	0	0.579
	65	29 CU	Q	3/2-			0	0

	66	29 CU	Q	1+	B-	100	0	2.642
	67	29 CU	Q	3/2-	B-	100	0	0.577
	68	29 CU	Q	1+	B-	100	0	4.46
68M		29 CU	Q	(6-)	IT	84	0.7216	0.722
68M		29 CU	Q	(6-)	B-	16	0.7216	5.182
	69	29 CU	Q	3/2-	B-	100	0	2.675
	70	29 CU	Q	(6-)	B-	100	0	6.599
70M		29 CU	Q	(3-)	B-	52	0.1011	6.7
70M		29 CU	Q	(3-)	IT	48	0.1011	0.101
70M		29 CU	Q	1+	B-	93.2	0.2426	6.842
70M		29 CU	Q	1+	IT	6.8	0.2426	0.243
	71	29 CU	Q	(3/2-)	B-	100	0	4.56
	72	29 CU	Q	(1+)	B-	100	0	8.070S
	73	29 CU	Q	(3/2-)	B-	100	0	6.300S
	74	29 CU	Q	(1+,3+)	B-	100	0	10.000S
F 75		29 CU	Q	(3/2-)	B-	100	0	8.200S
F 75		29 CU	Q	(3/2-)	BN	3.5	0	3.300S
76M		29 CU	Q		B-	100	0	11.700S
76M		29 CU	Q		BN	3	0	4.100S
76M		29 CU	Q		B-	100	0	11.700S
	77	29 CU	Q		B-	100	0	10.100S
	78	29 CU	Q		B-	100	0	13.300S
	79	29 CU	Q		B-	100	0	11.700S
	79	29 CU	Q		BN	55	0	7.500S
	80	29 CU	Q		B-		0	16.300S
	54	30 ZN	W	0+	2P ?		0	1.500S
	55	30 ZN	Q		EC		0	16.700S
	55	30 ZN	Q		P		0	-0.500S
	56	30 ZN	Q	0+	EC		0	12.900S
	56	30 ZN	Q	0+	P		0	-1.400S
	57	30 ZN	Q	(7/2-)	EC	100	0	14.620S
	57	30 ZN	Q	(7/2-)	EP#	65	0	13.930S
	58	30 ZN	Q	0+	EC	100	0	9.37
	59	30 ZN	Q	3/2-	EC	100	0	9.09
	59	30 ZN	Q	3/2-	EP	0.1	0	5.68
	60	30 ZN	Q	0+	EC	100	0	4.158
	61	30 ZN	Q	3/2-	EC	100	0	5.637
61M		30 ZN	Q	1/2-	IT		0.0884	0.088
61M		30 ZN	Q	3/2-	IT		0.4181	0.418
61M		30 ZN	Q	5/2-	IT		0.756	0.756
	62	30 ZN	Q	0+	EC	100	0	1.627
	63	30 ZN	Q	3/2-	EC	100	0	3.367
	64	30 ZN	Q	0+	2EC		0	0
	65	30 ZN	Q	5/2-	EC	100	0	1.352
	66	30 ZN	Q	0+			0	0
	67	30 ZN	Q	5/2-			0	0
	68	30 ZN	Q	0+			0	0
	69	30 ZN	Q	1/2-	B-	100	0	0.906
69M		30 ZN	Q	9/2+	IT	99.97	0.4386	0.439
69M		30 ZN	Q	9/2+	B-	0.03	0.4386	1.345
	70	30 ZN	Q	0+	2B-		0	1.001
	71	30 ZN	Q	1/2-	B-	100	0	2.815

71M		30 ZN	Q	9/2+	B-	100	0.158	2.973
71M		30 ZN	Q	9/2+	IT&	0.05	0.158	0.158
	72	30 ZN	Q	0+	B-	100	0	0.458
	73	30 ZN	Q	(1/2)-	B-	100	0	4.29
73M		30 ZN	Q		IT		0	0
73M		30 ZN	Q		B-		0	4.29
! 73M		30 ZN	Q	(5/2+)	IT	100	0.1955	0.196
F 74		30 ZN	Q	0+	B-	100	0	2.34
F 75		30 ZN	Q	(7/2+)	B-	100	0	6
F 76		30 ZN	Q	0+	B-	100	0	4.16
F 77		30 ZN	Q	(7/2+)	B-	100	0	7.27
77M		30 ZN	Q	(1/2-)	IT>	50	0.7724	0.772
77M		30 ZN	Q	(1/2-)	B-<	50	0.7724	8.042
F 78		30 ZN	Q	0+	B-	100	0	6.44
F 79		30 ZN	Q	(9/2+)	B-	100	0	9.090S
F 79		30 ZN	Q	(9/2+)	BN	1.3	0	2.200S
F 80		30 ZN	Q	0+	B-	100	0	7.29
F 80		30 ZN	Q	0+	BN	1	0	2.64
	81	30 ZN	Q		B-	100	0	11.900S
	81	30 ZN	Q		BN	7.5	0	4.900S
	82	30 ZN	Q	0+	B-		0	10.900S
	83	30 ZN	Q	(5/2+)	B-		0	0
	56	31 GA	W		P ?		0	2.900S
	57	31 GA	W		P ?		0	2.500S
	58	31 GA	W		P ?		0	1.400S
	59	31 GA	W		P ?		0	0.880S
	60	31 GA	Q	(2+)	EC	98.4	0	14.190S
	60	31 GA	Q	(2+)	EP	1.6	0	9.060S
	60	31 GA	Q	(2+)	EA<	0.02	0	11.480S
	61	31 GA	Q	3/2-	EC	100	0	9.000S
	62	31 GA	Q	0+	EC	100	0	9.17
	63	31 GA	Q	(3/2-)	EC	100	0	5.52
	64	31 GA	Q	0+	EC	100	0	7.165
	65	31 GA	Q	3/2-	EC	100	0	3.255
	66	31 GA	Q	0+	EC	100	0	5.175
	67	31 GA	Q	3/2-	EC	100	0	1
	68	31 GA	Q	1+	EC	100	0	2.921
	69	31 GA	Q	3/2-			0	0
	70	31 GA	Q	1+	B-	99.59	0	1.656
	70	31 GA	Q	1+	EC	0.41	0	0.655
	71	31 GA	Q	3/2-			0	0
	72	31 GA	Q		-3 B-	100	0	3.999
! 72M		31 GA	Q	(0+)	IT		0.1197	0
	73	31 GA	Q	3/2-	B-	100	0	1.593
	74	31 GA	Q	(3-)	B-	100	0	5.37
74M		31 GA	Q		0 IT	75	0.06	0.06
74M		31 GA	Q		0 B-<	50	0.06	5.43
F 75		31 GA	Q	(3/2)-	B-	100	0	3.392
F 76		31 GA	Q	(2+,3+)	B-	100	0	7.01
F 77		31 GA	Q	(3/2-)	B-	100	0	5.34
F 78		31 GA	Q	(3+)	B-	100	0	8.2
F 79		31 GA	Q	(3/2-)	B-	100	0	7

F 79	31 GA	Q	(3/2-)	BN	0.09	0	1.3
F 80	31 GA	Q		-3 B-	100	0	10.38
F 80	31 GA	Q		-3 BN	0.86	0	2.35
F 81	31 GA	Q	(5/2-)	B-	100	0	8.32
F 81	31 GA	Q	(5/2-)	BN	11.9	0	3.39
F 82	31 GA	Q	(1,2,3)	B-	100	0	12.700S
F 82	31 GA	Q	(1,2,3)	BN	19.8	0	5.300S
F 83	31 GA	Q		B-	100	0	11.500S
F 83	31 GA	Q		BN	37	0	8.100S
F 84	31 GA	Q		B-	100	0	14.000S
F 84	31 GA	Q		BN	70	0	8.500S
	85	31 GA	Q	(3/2-)	B-	0	0
	86	31 GA	Q		B-	0	0
	58	32 GE	W	0+	2P ?	0	2.800S
	59	32 GE	W		2P ?	0	1.100S
	60	32 GE	W	0+	EC?	0	12.200S
	60	32 GE	W	0+	2P ?	0	-0.050S
	61	32 GE	Q	(3/2-)	EC	100	0 13.600S
	61	32 GE	Q	(3/2-)	EP@	80	0 13.200S
	62	32 GE	Q	0+	EC		0 9.750S
	63	32 GE	Q	(3/2-)	EC	100	0 9.780S
	64	32 GE	Q	0+	EC	100	0 4.41
	65	32 GE	Q	(3/2-)	EC	100	0 6.24
	66	32 GE	Q	0+	EC	100	0 2.1
	67	32 GE	Q	1/2-	EC	100	0 4.223
	68	32 GE	Q	0+	EC	100	0 0.106
	69	32 GE	Q	5/2-	EC	100	0 2.227
! 69M		32 GE	Q	1/2-	IT	100	0.0868 0.087
! 69M		32 GE	Q	9/2+	IT	100	0.3979 0.398
	70	32 GE	Q	0+		0	0
	71	32 GE	Q	1/2-	EC	100	0 0.232
! 71M		32 GE	Q	9/2+	IT	100	0.198 0.198
	72	32 GE	Q	0+		0	0
	73	32 GE	Q	9/2+		0	0
73M		32 GE	Q	1/2-	IT	100	0.0667 0.067
	74	32 GE	Q	0+		0	0
	75	32 GE	Q	1/2-	B-	100	0 1.176
75M		32 GE	Q	7/2+	IT	99.97	0.1397 0.14
75M		32 GE	Q	7/2+	B-	0.03	0.1397 1.316
F 76		32 GE	Q	0+	2B-		0 2.039
F 77		32 GE	Q	7/2+	B-	100	0 2.702
77M		32 GE	Q	1/2-	B-	81	0.1597 2.862
77M		32 GE	Q	1/2-	IT	19	0.1597 0.16
F 78		32 GE	Q	0+	B-	100	0 0.954
F 79		32 GE	Q	(1/2)-	B-	100	0 4.15
F 79M		32 GE	Q	(7/2+)	B-	96	0.1859 4.336
F 79M		32 GE	Q	(7/2+)	IT	4	0.1859 0.186
F 80		32 GE	Q	0+	B-	100	0 2.67
F 81		32 GE	Q	(9/2+)	B-	100	0 6.23
81M		32 GE	Q	(1/2+)	B-	100	0.6791 6.909
F 82		32 GE	Q	0+	B-	100	0 4.7
F 83		32 GE	Q	(5/2+)	B-	100	0 8.900S

F 84	32 GE	Q	0+	B-	100	0	7.700S
F 84	32 GE	Q	0+	BN	10.8	0	3.400S
F 85	32 GE	Q		B-	100	0	10.100S
F 85	32 GE	Q		BN	14	0	4.600S
F 86	32 GE	Q	0+	B-		0	9.400S
F 87	32 GE	Q	(5/2+)	B-	100	0	0
F 87	32 GE	Q	(5/2+)	BN		0	0
88	32 GE	Q	0+	B-?		0	0
89	32 GE	Q		B-		0	0
60	33 AS	W		P ?		0	3.300S
61	33 AS	W		P ?		0	2.400S
62	33 AS	Q		P		0	1.500S
63	33 AS	Q	(3/2-)	P		0	1.100S
64	33 AS	n		EC?		0	14.900S
65	33 AS	Q		EC	100	0	9.400S
66	33 AS	Q		EC	100	0	9.800S
67	33 AS	Q	(5/2-)	EC	100	0	6.01
68	33 AS	Q	3+	EC	100	0	8.1
69	33 AS	Q	5/2-	EC	100	0	4.01
70	33 AS	Q	4+	EC	100	0	6.22
71	33 AS	Q	5/2-	EC	100	0	2.013
72	33 AS	Q		-2 EC	100	0	4.356
73	33 AS	Q	3/2-	EC	100	0	0.341
74	33 AS	Q		-2 EC	66	0	2.562
74	33 AS	Q		-2 B-	34	0	1.353
75	33 AS	Q	3/2-			0	0
! 75M	33 AS	Q	9/2+	IT	100	0.3039	0.304
76	33 AS	Q		-2 B-	100	0	2.962
77	33 AS	Q	3/2-	B-	100	0	0.683
! 77M	33 AS	Q	9/2+	IT	100	0.4754	0.475
F 78	33 AS	Q		-2 B-	100	0	4.209
F 79	33 AS	Q	3/2-	B-	100	0	2.281
! 79M	33 AS	Q	(9/2)+	IT	100	0.7728	0.773
F 80	33 AS	Q	1+	B-	100	0	5.641
F 81	33 AS	Q	3/2-	B-	100	0	3.856
F 82	33 AS	Q	(1+)	B-	100	0	7.27
F 82M	33 AS	Q	(5-)	B-	100	0	7.27
F 83	33 AS	Q	(5/2-,3/2-)	B-	100	0	5.46
F 84	33 AS	Q	(3-)	B-	100	0	9.900S
F 84	33 AS	Q	(3-)	BN	0.28	0	1.200S
F 85	33 AS	Q	(3/2-)	B-	100	0	8.900S
F 85	33 AS	Q	(3/2-)	BN	59.4	0	4.400S
F 86	33 AS	Q		B-	100	0	11.100S
F 86	33 AS	Q		BN	33	0	5.000S
F 87	33 AS	Q	(3/2-)	B-	100	0	10.300S
F 87	33 AS	Q	(3/2-)	BN	15.4	0	6.200S
F 88	33 AS	Q		B-?		0	0
F 88	33 AS	Q		BN?		0	0
F 89	33 AS	Q		B-?		0	12.300S
90	33 AS	N		B-?			0
91	33 AS	Q		B-		0	0
92	33 AS	Q		B-	100	0	0

	65	34 SE	Q		EC	100	0	14.100S
	66	34 SE	Q	0+	EC	100	0	10.100S
	67	34 SE	Q		EC	100	0	10.150S
	67	34 SE	Q		EP	0.5	0	7.840S
	68	34 SE	Q	0+	EC	100	0	4.700S
	69	34 SE	Q	(1/2-,3/2-	) EC	100	0	6.78
	69	34 SE	Q	(1/2-,3/2-	) EP	0.05	0	3.39
	70	34 SE	Q	0+	EC	100	0	2.400S
	71	34 SE	Q	5/2-	EC	100	0	4.800S
	72	34 SE	Q	0+	EC	100	0	0.335
	73	34 SE	Q	9/2+	EC	100	0	2.74
73M		34 SE	Q	3/2-	IT	72.6	0.0257	0.026
73M		34 SE	Q	3/2-	EC	27.4	0.0257	2.766
	74	34 SE	Q	0+			0	0
	75	34 SE	Q	5/2+	EC	100	0	0.864
	76	34 SE	Q	0+			0	0
	77	34 SE	Q	1/2-			0	0
77M		34 SE	Q	7/2+	IT	100	0.1619	0.162
	78	34 SE	Q	0+			0	0
	79	34 SE	Q	7/2+	B-	100	0	0.151
79M		34 SE	Q	1/2-	IT	99.94	0.0958	0.096
79M		34 SE	Q	1/2-	B-	0.06	0.0958	0.247
F 80		34 SE	Q	0+	BB		0	0.134
F 81		34 SE	Q	1/2-	B-	100	0	1.585
F 81M		34 SE	Q	7/2+	IT	99.95	0.103	0.103
F 81M		34 SE	Q	7/2+	B-	0.05	0.103	1.688
F 82		34 SE	Q	0+	2B-		0	2.995
F 83		34 SE	Q	9/2+	B-	100	0	3.669
F 83M		34 SE	Q	1/2-	B-	100	0.2285	3.897
F 84		34 SE	Q	0+	B-	100	0	1.83
F 85		34 SE	Q	(5/2+)	B-	100	0	6.182
F 86		34 SE	Q	0+	B-	100	0	5.099
F 87		34 SE	Q	(5/2+)	B-	100	0	7.28
F 87		34 SE	Q	(5/2+)	BN	0.2	0	0.99
F 88		34 SE	Q	0+	B-	100	0	6.85
F 88		34 SE	Q	0+	BN	0.99	0	1.91
F 89		34 SE	Q	(5/2+)	B-	100	0	9.000S
F 89		34 SE	Q	(5/2+)	BN	7.8	0	3.100S
F 90		34 SE	W	0+	B-?		0	8.200S
F 91		34 SE	Q		B-	100	0	10.600S
F 91		34 SE	Q		BN	21	0	5.700S
	92	34 SE	Q	0+	B-	100	0	9.400S
	93	34 SE	Q	(1/2+)	B-		0	0
	94	34 SE	Q	0+	B-		0	0
	67	35 BR	N		P ?			1.600S
	68	35 BR	W		P ?		0	0.300S
	69	35 BR	Q		P		0	0.450S
	70	35 BR	Q	0+	EC	100	0	10.400S
70M		35 BR	Q	9+	EC	100	2.2923	12.692S
	71	35 BR	Q	(5/2)-	EC	100	0	6.500S
	72	35 BR	Q	1+	EC	100	0	8.7
72M		35 BR	Q		-1 IT@	100	0.1009	0.101

72M		35 BR	Q		-1 EC		0.1009	8.801
	73	35 BR	Q	1/2-	EC	100	0	4.68
	74	35 BR	Q	(0-)	EC	100	0	6.907
74M		35 BR	Q	4(+)	EC	100	0.014	6.921
	75	35 BR	Q	3/2-	EC	100	0	3.03
	76	35 BR	Q		-1 EC	100	0	4.963
76M		35 BR	Q	(4)+	IT>	99.4	0.103	0.103
76M		35 BR	Q	(4)+	EC<	0.6	0.103	5.066
	77	35 BR	Q	3/2-	EC	100	0	1.365
77M		35 BR	Q	9/2+	IT	100	0.1059	0.106
	78	35 BR	Q	1+	EC#	99.99	0	3.574
	78	35 BR	Q	1+	B-&	0.01	0	0.708
! 78M		35 BR	Q	(4+)	IT	100	0.1808	0.181
	79	35 BR	Q	3/2-			0	0
79M		35 BR	Q	9/2+	IT	100	0.2076	0.208
	80	35 BR	Q	1+	B-	91.7	0	2.004
	80	35 BR	Q	1+	EC	8.3	0	1.871
80M		35 BR	Q		-5 IT	100	0.0858	0.086
	81	35 BR	Q	3/2-			0	0
	82	35 BR	Q		-5 B-	100	0	3.093
82M		35 BR	Q		-2 IT	97.6	0.0459	0.046
82M		35 BR	Q		-2 B-	2.4	0.0459	3.139
F 83		35 BR	Q	3/2-	B-	100	0	0.973
F 84		35 BR	Q		-2 B-	100	0	4.65
F 84M		35 BR	Q		-6 B-	100	0.32	4.97
F 85		35 BR	Q	3/2-	B-	100	0	2.87
F 86		35 BR	Q	(2-)	B-	100	0	7.626
F 87		35 BR	Q	3/2-	B-	100	0	6.853
F 87		35 BR	Q	3/2-	BN	2.6	0	1.337
F 88		35 BR	Q	(2-)	B-	100	0	8.96
F 88		35 BR	Q	(2-)	BN	6.58	0	1.91
! 88M		35 BR	Q	(4-,5-)	IT	100	0.2701	0.27
F 89		35 BR	Q	(3/2-,5/2-)	) B-	100	0	8.16
F 89		35 BR	Q	(3/2-,5/2-)	) BN	13.8	0	3.05
F 90		35 BR	Q		B-	100	0	10.35
F 90		35 BR	Q		BN	25.2	0	4.04
F 91		35 BR	Q		B-	100	0	9.8
F 91		35 BR	Q		BN	20	0	5.38
F 92		35 BR	Q	(2-)	B-	100	0	12.2
F 92		35 BR	Q	(2-)	BN	33.1	0	6.66
F 93		35 BR	Q	(5/2-)	B-	100	0	11.000S
F 93		35 BR	Q	(5/2-)	BN	68	0	7.700S
F 94		35 BR	Q		B-	100	0	13.300S
F 94		35 BR	Q		BN	70	0	8.200S
	95	35 BR	Q	(3/2-)	B-		0	0
	96	35 BR	Q		B-		0	0
	97	35 BR	Q	(3/2-)	B-		0	0
	69	36 KR	Q		EC	100	0	14.100S
	70	36 KR	Q	0+	EC	100	0	10.600S
	70	36 KR	Q	0+	EP&	1.3	0	8.000S
	71	36 KR	Q	(5/2-)	EC	100	0	10.500S
	71	36 KR	Q	(5/2-)	EP	5.2	0	8.600S

	72	36 KR	Q	0+	EC	100	0	5.04
	73	36 KR	Q	3/2-	EC	100	0	6.65
	73	36 KR	Q	3/2-	EP	0.25	0	3.72
	74	36 KR	Q	0+	EC	100	0	3.14
	75	36 KR	Q	5/2+	EC	100	0	4.897
	76	36 KR	Q	0+	EC	100	0	1.31
	77	36 KR	Q	5/2+	EC	100	0	3.063
	78	36 KR	Q	0+	2EC		0	0
	79	36 KR	Q	1/2-	EC	100	0	1.626
79M		36 KR	Q	7/2+	IT	100	0.1298	0.13
	80	36 KR	Q	0+			0	0
	81	36 KR	Q	7/2+	EC	100	0	0.281
81M		36 KR	Q	1/2-	IT	100	0.1906	0.191
81M		36 KR	Q	1/2-	EC	2.50E-03	0.1906	0.472
	82	36 KR	Q	0+			0	0
	83	36 KR	Q	9/2+			0	0
83M		36 KR	Q	1/2-	IT	100	0.0416	0.042
F 84		36 KR	Q	0+			0	0
F 85		36 KR	Q	9/2+	B-	100	0	0.687
F 85M		36 KR	Q	1/2-	B-	78.6	0.305	0.992
F 85M		36 KR	Q	1/2-	IT	21.4	0.305	0.305
F 86		36 KR	Q	0+			0	0
F 87		36 KR	Q	5/2+	B-	100	0	3.885
F 88		36 KR	Q	0+	B-	100	0	2.914
F 89		36 KR	Q	3/2(+)	B-	100	0	4.99
F 90		36 KR	Q	0+	B-	100	0	4.392
F 91		36 KR	Q	5/2(+)	B-	100	0	6.44
F 92		36 KR	Q	0+	B-	100	0	5.987
F 92		36 KR	Q	0+	BN	0.03	0	0.888
F 93		36 KR	Q	1/2+	B-	100	0	8.6
F 93		36 KR	Q	1/2+	BN	1.95	0	2.68
F 94		36 KR	Q	0+	B-	100	0	7.400S
F 94		36 KR	Q	0+	BN	1.26	0	3.400S
F 95		36 KR	Q		2-Jan B-	100	0	9.800S
F 95		36 KR	Q		2-Jan BN	2.87	0	4.400S
F 96		36 KR	Q	0+	B-	100	0	8.200S
F 96		36 KR	Q	0+	BN	3.8	0	4.700S
	97	36 KR	P		B-	100	0	10.400S
	97	36 KR	P		BN	8.2	0	5.200S
F 98		36 KR	Q	0+	B-	100	0	0
F 98		36 KR	Q	0+	BN	7	0	0
	99	36 KR	Q	(3/2+)	B-	100	0	0
	99	36 KR	Q	(3/2+)	BN	11	0	0
	100	36 KR	Q	0+	B-		0	0
	71	37 RB			P ?			1.400S
	72	37 RB	Q	(3+)	P		0	0.700S
	73	37 RB	Q		EC		0	10.700S
	73	37 RB	Q		P >	0	0	0.600S
	74	37 RB	Q	(0+)	EC	100	0	10.4
	75	37 RB	Q	(3/2-)	EC	100	0	7.019
	76	37 RB	Q	1(-)	EC	100	0	8.498
	76	37 RB	Q	1(-)	EA	3.80E-07	0	4.989

	77	37 RB	Q	3/2-	EC	100	0	5.346
	78	37 RB	Q	0(+)	EC	100	0	7.224
78M		37 RB	Q	4(-)	EC	90	0.103	7.327
78M		37 RB	Q	4(-)	IT	10	0.103	0.103
	79	37 RB	Q	5/2+	EC	100	0	3.646
	80	37 RB	Q	1+	EC	100	0	5.721
	81	37 RB	Q	3/2-	EC	100	0	2.237
81M		37 RB	Q	9/2+	IT	97.6	0.0863	0.086
81M		37 RB	Q	9/2+	EC	2.4	0.0863	2.323
	82	37 RB	Q	1+	EC	100	0	4.4
82M		37 RB	Q		-5 EC	100	0.069	4.469
82M		37 RB	Q		-5 IT<	0.33	0.069	0.069
	83	37 RB	Q	5/2-	EC	100	0	0.909
	84	37 RB	Q		-2 EC	96.2	0	2.681
	84	37 RB	Q		-2 B-	3.8	0	0.894
84M		37 RB	Q		-6 IT	100	0.4636	0.464
F 85		37 RB	Q	5/2-			0	0
	86	37 RB	Q		-2 B-	99.99	0	1.774
	86	37 RB	Q		-2 EC	5.20E-03	0	0.519
86M		37 RB	Q		-6 IT	100	0.5561	0.556
86M		37 RB	Q		-6 B-<	0.3	0.5561	2.33
F 87		37 RB	Q	3/2-	B-	100	0	0.283
F 88		37 RB	Q		-2 B-	100	0	5.313
F 89		37 RB	Q	3/2-	B-	100	0	4.496
F 90		37 RB	Q		0 B-	100	0	6.587
F 90M		37 RB	Q		-3 B-	97.4	0.1069	6.694
F 90M		37 RB	Q		-3 IT	2.6	0.1069	0.107
F 91		37 RB	Q	3/2(-)	B-	100	0	5.891
F 92		37 RB	Q		0 B-	100	0	8.1
F 92		37 RB	Q		0 BN	0.01	0	0.792
F 93		37 RB	Q	5/2-	B-	100	0	7.462
F 93		37 RB	Q	5/2-	BN	1.39	0	2.178
F 94		37 RB	Q	3(-)	B-	100	0	10.291
F 94		37 RB	Q	3(-)	BN	10.01	0	3.465
F 95		37 RB	Q	5/2-	B-	100	0	9.279
F 95		37 RB	Q	5/2-	BN	8.73	0	4.932
F 96		37 RB	Q	2+	B-	100	0	11.74
F 96		37 RB	Q	2+	BN	14	0	5.83
F 97		37 RB	Q	3/2+	B-	100	0	10.43
F 97		37 RB	Q	3/2+	BN	25.1	0	6.52
F 98		37 RB	Q	(0,1)	B-	100	0	12.326
F 98		37 RB	Q	(0,1)	BN	13.8	0	6.42
F 98		37 RB	Q	(0,1)	B-	0.05	0	12.326
! 98M		37 RB	Q	(3,4)	B-	100	0.27	12.596
	99	37 RB	Q	(5/2+)	B-	100	0	11.28
	99	37 RB	Q	(5/2+)	BN	15.9	0	7.72
F100		37 RB	Q		B-	100	0	13.500S
F100		37 RB	Q		BN	6	0	7.400S
F100		37 RB	Q		B2N	0.16	0	3.800S
	101	37 RB	Q	(3/2+)	B-	100	0	11.81
	101	37 RB	Q	(3/2+)	BN	28	0	8.55
!102M		37 RB	Q		B-	100	0	15.100S

!102M	37	RB	Q		BN	18		0 9.300S
	73	38	SR	Q	EC	100		0 14.500S
	73	38	SR	Q	EP>	0		0 15.100S
	74	38	SR	Q	0+	EC		0 11.000S
	75	38	SR	Q	(3/2-)	EC	100	0 10.600S
	75	38	SR	Q	(3/2-)	EP	5.2	0 8.200S
	76	38	SR	Q	0+	EC	100	0 6.100S
	76	38	SR	Q	0+	EP	0.34	0 2.600S
	77	38	SR	Q	5/2+	EC	100	0 6.85
	77	38	SR	Q	5/2+	EP<	0.25	0 3.71
	78	38	SR	Q	0+	EC	100	0 3.761
	79	38	SR	Q	3/2(-)	EC	100	0 5.319
	80	38	SR	Q	0+	EC	100	0 1.868
	81	38	SR	Q	1/2-	EC	100	0 3.93
	82	38	SR	Q	0+	EC	100	0 0.18
	83	38	SR	Q	7/2+	EC	100	0 2.276
83M		38	SR	Q	1/2-	IT	100	0.2591 0.259
	84	38	SR	Q	0+			0 0
	85	38	SR	Q	9/2+	EC	100	0 1.065
85M		38	SR	Q	1/2-	IT	86.6	0.239 0.239
85M		38	SR	Q	1/2-	EC	13.4	0.239 1.304
	86	38	SR	Q	0+			0 0
	87	38	SR	Q	9/2+			0 0
87M		38	SR	Q	1/2-	IT	99.7	0.3885 0.389
87M		38	SR	Q	1/2-	EC	0.3	0.3885 0.106
	88	38	SR	Q	0+			0 0
F 89		38	SR	Q	5/2+	B-	100	0 1.495
F 90		38	SR	Q	0+	B-	100	0 0.546
F 91		38	SR	Q	5/2+	B-	100	0 2.707
F 92		38	SR	Q	0+	B-	100	0 1.94
F 93		38	SR	Q	5/2+	B-	100	0 4.137
F 94		38	SR	Q	0+	B-	100	0 3.508
F 95		38	SR	Q	1/2+	B-	100	0 6.087
F 96		38	SR	Q	0+	B-	100	0 5.387
F 97		38	SR	Q	1/2+	B-	100	0 7.468
F 97		38	SR	Q	1/2+	BN&	0.05	0 1.48
F 98		38	SR	Q	0+	B-	100	0 5.823
F 98		38	SR	Q	0+	BN	0.25	0 1.56
F 99		38	SR	Q	3/2+	B-	100	0 8.09
F 99		38	SR	Q	3/2+	BN	0.1	0 2.26
F100		38	SR	Q	0+	B-	100	0 7.08
F100		38	SR	Q	0+	BN	0.78	0 1.91
F101		38	SR	Q	(5/2-)	B-	100	0 9.51
F101		38	SR	Q	(5/2-)	BN	2.37	0 3.82
F102		38	SR	Q	0+	B-	100	0 8.82
F102		38	SR	Q	0+	BN	4.8	0 3.76
	103	38	SR	Q		B-		0 11.200S
	104	38	SR	Q	0+			0 0
	105	38	SR	Q		B-		0 12.771S
	76	39	Y	Q	EC?			0 0.000S
	76	39	Y	Q	P ?			0 0.000S
	77	39	Y	Q	EC	100		0 11.000S

	77	39 Y	Q		EP		0	6.300S
	78	39 Y	Q	(0+)	EC	100	0	10.500S
78M		39 Y	Q	(5+)	EC	100	0	10.500S
	79	39 Y	Q	(5/2+)	EC	100	0	7.1
	79	39 Y	Q	(5/2+)	EP		0	1.3
	80	39 Y	Q	(4-)	EC	100	0	9.100S
	80	39 Y	Q	(4-)	EP		0	2.300S
80M		39 Y	Q	(1-)	IT	81	0.2285	0.228
80M		39 Y	Q	(1-)	EC	19	0.2285	9.329S
! 80M		39 Y	Q	(2+)	IT	100	0.3126	0.313
	81	39 Y	Q	(5/2+)	EC	100	0	5.51
	82	39 Y	Q	1+	EC	100	0	7.82
	83	39 Y	Q	9/2+	EC	100	0	4.47
83M		39 Y	Q	3/2-	EC	60	0.062	4.532
83M		39 Y	Q	3/2-	IT	40	0.062	0.062
	84	39 Y	Q	1+	EC	100	0	6.49
84M		39 Y	Q	(5-)	EC	100	0	6.49
	85	39 Y	Q	(1/2)-	EC	100	0	3.26
85M		39 Y	Q	9/2+	EC	100	0.02	3.28
85M		39 Y	Q	9/2+	IT<	2.00E-03	0.02	0.02
	86	39 Y	Q		-4 EC	100	0	5.24
86M		39 Y	Q	(8+)	IT	99.31	0.2183	0.218
86M		39 Y	Q	(8+)	EC	0.69	0.2183	5.458
	87	39 Y	Q	1/2-	EC	100	0	1.862
87M		39 Y	Q	9/2+	IT	98.43	0.3808	0.381
87M		39 Y	Q	9/2+	EC	1.57	0.3808	2.243
	88	39 Y	Q		-4 EC	100	0	0
! 88M		39 Y	Q	(8)+	IT	100	0.6745	0
	89	39 Y	Q	1/2-			0	0
89M		39 Y	Q	9/2+	IT	100	0.909	0.909
	90	39 Y	Q		-2 B-	100	0	2.28
90M		39 Y	Q	7+	IT	100	0.6817	0.682
90M		39 Y	Q	7+	B-	1.80E-03	0.6817	2.962
F 91		39 Y	Q	1/2-	B-	100	0	1.545
F 91M		39 Y	Q	9/2+	IT	100	0.5556	0.556
F 91M		39 Y	Q	9/2+	B-<	1.5	0.5556	2.101
F 92		39 Y	Q		-2 B-	100	0	3.639
F 93		39 Y	Q	1/2-	B-	100	0	2.893
F 93M		39 Y	Q	7/2+	IT	100	0.7587	0.759
F 94		39 Y	Q		-2 B-	100	0	4.917
F 95		39 Y	Q	1/2-	B-	100	0	4.453
F 96		39 Y	Q		0 B-	100	0	7.1
F 96M		39 Y	Q	(8)+	B-	100	0	7.1
F 97		39 Y	Q	(1/2-)	B-	100	0	6.688
F 97		39 Y	Q	(1/2-)	BN	0.058	0	1.109
F 97M		39 Y	Q	(9/2)+	B->	99.3	0.668	7.356
F 97M		39 Y	Q	(9/2)+	IT<	0.7	0.668	0.668
F 97M		39 Y	Q	(9/2)+	BN<	0.08	0.668	1.777
F 97M		39 Y	Q	(27/2-)	IT>	80	3.523	3.523
F 97M		39 Y	Q	(27/2-)	B-<	20	3.523	10.211
F 98		39 Y	Q		0 B-	100	0	8.824
F 98		39 Y	Q		0 BN	0.33	0	2.426

F 98M	39 Y	Q	(4,5)	B->	80	0.41	9.234
F 98M	39 Y	Q	(4,5)	IT<	20	0.41	0.41
F 98M	39 Y	Q	(4,5)	BN	3.4	0.41	2.836
F 99	39 Y	Q	(5/2+)	B-	100	0	7.567
F 99	39 Y	Q	(5/2+)	BN	1.9	0	3
! 99M	39 Y	Q	(17/2+)	IT	100	2.1416	2.142
F100	39 Y	Q	1-,2-	B-	100	0	9.31
F100	39 Y	Q	1-,2-	BN	0.92	0	2.4
100M	39 Y	Q	(3,4,5)	B-	100	0	9.31
F101	39 Y	Q	(5/2+)	B-	100	0	8.55
F101	39 Y	Q	(5/2+)	BN	1.5	0	3.62
102M	39 Y	Q		B-	100	0	9.85
102M	39 Y	Q		BN	4	0	3.49
102M	39 Y	Q		B-	100	0	9.85
102M	39 Y	Q		BN	4	0	3.49
F103	39 Y	Q	(5/2+)	B-	100	0	9.600S
F103	39 Y	Q	(5/2+)	BN	8	0	4.900S
F104	39 Y	Q		B-	100	0	0
F104	39 Y	Q		BN?		0	0
105	39 Y	Q		B-?		0	0
106	39 Y	Q		B-		0	13.300S
107	39 Y	Q	(5/2+)	B-	100	0	0
108	39 Y	Q		B-		0	0
108	39 Y	Q		BN		0	0
78	40 ZR	N	0+	EC?			0
78	40 ZR	N	0+	EP?			0
79	40 ZR	Q		EC		0	11.000S
79	40 ZR	Q		EP		0	8.500S
80	40 ZR	Q	0+	EC	100	0	5.800S
80	40 ZR	Q	0+	EP		0	2.800S
81	40 ZR	Q	(3/2-)	EC	100	0	7.2
81	40 ZR	Q	(3/2-)	EP	0.12	0	4.2
82	40 ZR	Q	0+	EC	100	0	4
83	40 ZR	Q	(1/2-)	EC	100	0	5.87
83	40 ZR	Q	(1/2-)	EP		0	2.26
84	40 ZR	Q	0+	EC	100	0	2.670S
85	40 ZR	Q	7/2+	EC	100	0	4.69
85M	40 ZR	Q	(1/2-)	IT&	92	0.292	0.292
85M	40 ZR	Q	(1/2-)	EC>	8	0.292	4.982
86	40 ZR	Q	0+	EC	100	0	1.48
87	40 ZR	Q	(9/2)+	EC	100	0	3.669
87M	40 ZR	Q	(1/2)-	IT	100	0.3358	0.336
88	40 ZR	Q	0+	EC	100	0	0.673
89	40 ZR	Q	9/2+	EC	100	0	2.833
89M	40 ZR	Q	1/2-	IT	93.77	0.5878	0.588
89M	40 ZR	Q	1/2-	EC	6.23	0.5878	3.421
90	40 ZR	Q	0+			0	0
90M	40 ZR	Q		-5 IT	100	2.319	2.319
91	40 ZR	Q	5/2+			0	0
! 91M	40 ZR	Q	(21/2+)	IT	100	3.1673	3.167
F 92	40 ZR	Q	0+			0	0
F 93	40 ZR	Q	5/2+	B-	100	0	0.091

F 94	40 ZR	Q	0+			0	0
F 95	40 ZR	Q	5/2+	B-	100	0	1.125
F 96	40 ZR	Q	0+	2B-		0	3.35
F 97	40 ZR	Q	1/2+	B-	100	0	2.658
F 98	40 ZR	Q	0+	B-	100	0	2.25
F 99	40 ZR	Q	(1/2+)	B-	100	0	4.558
F100	40 ZR	Q	0+	B-	100	0	3.34
F101	40 ZR	Q	(3/2+)	B-	100	0	5.49
F102	40 ZR	Q	0+	B-	100	0	4.61
F103	40 ZR	Q	(5/2-)	B-	100	0	6.95
F104	40 ZR	Q	0+	B-	100	0	5.900S
F105	40 ZR	Q		B-	100	0	8.500S
106	40 ZR	Q	0+	B-?		0	7.200S
107	40 ZR	Q		B-	100	0	9.800S
108	40 ZR	Q	0+	B-		0	8.600S
108	40 ZR	Q	0+	BN		0	4.900S
109	40 ZR	Q		B-		0	0
109	40 ZR	Q		BN		0	0
110	40 ZR	Q	0+	B-		0	0
81	41 NB	Q		EC?		0	11.400S
81	41 NB	Q		EP?		0	6.400S
81	41 NB	Q		P ?		0	0.600S
82	41 NB	Q	0+	EC	100	0	11.200S
83	41 NB	Q	(5/2+)	EC	100	0	7.5
84	41 NB	Q	3+	EC	100	0	9.600S
84	41 NB	Q	3+	EP		0	3.200S
85	41 NB	Q	(9/2+)	EC	100	0	6
86?	41 NB	Q		EC		0	7.98
86M	41 NB	Q	(6+)	EC	100	0	7.98
87	41 NB	Q	(1/2-)	EC	100	0	5.17
87M	41 NB	Q	(9/2+)	EC		0.0038	5.174
88	41 NB	Q	(8+)	EC	100	0	0
88M	41 NB	Q	(4-)	EC	100	0	0
89	41 NB	Q	(9/2+)	EC	100	0	4.29
89M	41 NB	Q	(1/2)-	EC	100	0.035	4.325
90	41 NB	Q	8+	EC	100	0	6.111
! 90M	41 NB	Q	6+	IT	100	0.1224	0.122
90M	41 NB	Q		-4 IT	100	0.1247	0.125
! 90M	41 NB	Q	1+	IT	100	0.382	0.382
91	41 NB	Q	9/2+	EC	100	0	1.253
91M	41 NB	Q	1/2-	IT	96.6	0.1046	0.105
91M	41 NB	Q	1/2-	EC	3.4	0.1046	1.358
! 91M	41 NB	Q	(17/2-)	IT	100	2.0343	2.034
92	41 NB	Q	(7)+	EC	100	0	2.006
92	41 NB	Q	(7)+	B-<	0.05	0	0.357
92M	41 NB	Q	(2)+	EC	100	0.1355	2.141
93	41 NB	Q	9/2+			0	0
93M	41 NB	Q	1/2-	IT	100	0.0308	0.031
94	41 NB	Q	(6)+	B-	100	0	2.045
94M	41 NB	Q	3+	IT	99.5	0.041	0.041
94M	41 NB	Q	3+	B-	0.5	0.041	2.086
F 95	41 NB	Q	9/2+	B-	100	0	0.926

95M	41 NB	Q	1/2-	IT	94.4	0.2357	0.236
95M	41 NB	Q	1/2-	B-	5.6	0.2357	1.162
F 96	41 NB	Q	6+	B-	100	0	3.187
F 97	41 NB	Q	9/2+	B-	100	0	1.934
F 97M	41 NB	Q	1/2-	IT	100	0.743	0.743
F 98	41 NB	Q	1+	B-	100	0	4.586
F 98M	41 NB	Q	(5+)	B-	99.9	0.084	4.67
F 98M	41 NB	Q	(5+)	IT<	0.2	0.084	0.084
F 99	41 NB	Q	9/2+	B-	100	0	3.639
F 99M	41 NB	Q	1/2-	B->	96.2	0.3653	4.004
F 99M	41 NB	Q	1/2-	IT<	3.8	0.3653	0.365
F100	41 NB	Q	1+	B-	100	0	6.25
F100M	41 NB	Q	(4+,5+)	B-	100	0.5	6.75
F101	41 NB	Q	(5/2+)	B-	100	0	4.569
F102M	41 NB	Q	1+	B-		0	7.21
F102M	41 NB	Q		B-		0	7.21
F103	41 NB	Q	(5/2+)	B-	100	0	5.53
F104	41 NB	Q	(1+)	B-	100	0	8.11
F104	41 NB	Q	(1+)	BN	0.06	0	0.55
F104M	41 NB	Q		B-	100	0.215	8.325
F104M	41 NB	Q		BN	0.05	0.215	0.765
F105	41 NB	Q	(5/2+)	B-	100	0	6.49
F105	41 NB	Q	(5/2+)	BN	1.7	0	1.41
F106	41 NB	Q		B-	100	0	9.400S
F106	41 NB	Q		BN	4.5	0	2.400S
F107	41 NB	Q		B-	100	0	8.000S
108	41 NB	Q	(2+)	B-	100	0	10.600S
108	41 NB	Q	(2+)	BN	6.2	0	4.300S
F109	41 NB	Q	(5/2)	B-	100	0	9.100S
F109	41 NB	Q	(5/2)	BN	31	0	5.000S
110	41 NB	Q		B-	100	0	12.100S
110	41 NB	Q		BN	40	0	5.800S
111	41 NB	Q	(5/2+)	B-		0	10.470S
112	41 NB	Q	(2+)	B-		0	0
113	41 NB	Q		B-		0	11.942S
83	42 MO	Q		EC	100	0	11.200S
84	42 MO	Q	0+	EC	100	0	6.100S
85	42 MO	Q	(1/2-)	EP	0.14	0	5.100S
85	42 MO	Q	(1/2-)	EC		0	8.100S
86	42 MO	Q	0+	EC	100	0	5.3
87	42 MO	Q	7/2+	EC	100	0	6.49
87	42 MO	Q	7/2+	EP	15	0	2.82
88	42 MO	Q	0+	EC	100	0	0
89	42 MO	Q	(9/2+)	EC	100	0	5.58
89M	42 MO	Q	(1/2-)	IT	100	0.3875	0.387
90	42 MO	Q	0+	EC	100	0	2.489
91	42 MO	Q	9/2+	EC	100	0	4.434
91M	42 MO	Q	1/2-	EC	50	0.653	5.087
91M	42 MO	Q	1/2-	IT	50	0.653	0.653
92	42 MO	Q	0+			0	0
93	42 MO	Q	5/2+	EC	100	0	0.405
93M	42 MO	Q	21/2+	IT	99.88	2.4249	2.425

93M		42 MO	Q	21/2+	EC	0.12	2.4249	2.83
	94	42 MO	Q	0+			0	0
	95	42 MO	Q	5/2+			0	0
	96	42 MO	Q	0+			0	0
	97	42 MO	Q	5/2+			0	0
	98	42 MO	Q	0+			0	0
F 99		42 MO	Q	1/2+	B-	100	0	1.357
F100		42 MO	Q	0+	2B-	100	0	3.034
F101		42 MO	Q	1/2+	B-	100	0	2.824
F102		42 MO	Q	0+	B-	100	0	1.01
F103		42 MO	Q	(3/2+)	B-	100	0	3.75
F104		42 MO	Q	0+	B-	100	0	2.16
F105		42 MO	Q	(5/2-)	B-	100	0	4.95
F106		42 MO	Q	0+	B-	100	0	3.52
F107		42 MO	Q	(7/2-)	B-	100	0	6.16
F108		42 MO	Q	0+	B-	100	0	4.750S
F109		42 MO	Q	(7/2-)	B-	100	0	7.600S
F110		42 MO	Q	0+	B-	100	0	5.900S
F111		42 MO	Q		B-		0	8.800S
	112	42 MO	Q	0+	B-?		0	7.100S
	113	42 MO	Q		B-		0	10.000S
	114	42 MO	Q	0+	B-		0	0
	115	42 MO	Q		B-		0	10.805S
	115	42 MO	Q		BN		0	0
	85	43 TC			EC?			11.500S
	86	43 TC	Q	(0+)	EC		0	11.400S
! 86M		43 TC	Q		-5 IT	100	1.445	1.445
	87	43 TC	Q	(9/2+)	EC	100	0	8.600S
	88	43 TC	Q	(3+)	EC	100	0	0
88M		43 TC	Q	(6+)	EC	100	0	0
	89	43 TC	Q	(9/2+)	EC	100	0	7.51
89M		43 TC	Q	(1/2-)	EC	100	0.0626	7.573
89M		43 TC	Q	(1/2-)	IT<	0.01	0.0626	0.063
90M		43 TC	Q	1+	EC	100	0	8.96
90M		43 TC	Q	(6+)	EC	100	0.5	9.46
	91	43 TC	Q	(9/2+)	EC	100	0	6.22
91M		43 TC	Q	(1/2-)	EC	100	0.1393	6.359
91M		43 TC	Q	(1/2-)	IT<	1	0.1393	0.139
	92	43 TC	Q	(8)+	EC	100	0	7.87
	93	43 TC	Q	9/2+	EC	100	0	3.201
93M		43 TC	Q	1/2-	IT	76.6	0.3918	0.392
93M		43 TC	Q	1/2-	EC	23.4	0.3918	3.593
! 93M		43 TC	Q	(17/2)-	IT	100	2.1852	2.185
	94	43 TC	Q	7+	EC	100	0	4.256
94M		43 TC	Q	(2)+	EC	100	0.075	4.331
94M		43 TC	Q	(2)+	IT<	0.1	0.075	0.075
	95	43 TC	Q	9/2+	EC	100	0	1.691
95M		43 TC	Q	1/2-	EC	96.12	0.0389	1.73
95M		43 TC	Q	1/2-	IT	3.88	0.0389	0.039
	96	43 TC	Q	7+	EC	100	0	2.973
96M		43 TC	Q	4+	IT	98	0.034	0.034
96M		43 TC	Q	4+	EC	2	0.034	3.007

	97	43 TC	Q	9/2+	EC	100	0	0.32
97M		43 TC	Q	1/2-	IT	100	0.097	0.097
97M		43 TC	Q	1/2-	EC	3.94	0.097	0.417
	98	43 TC	Q	(6)+	B-	100	0	1.796
	99	43 TC	Q	9/2+	B-	100	0	0.294
99M		43 TC	Q	1/2-	IT	100	0.1427	0.143
99M		43 TC	Q	1/2-	B-	3.70E-03	0.1427	0.437
	100	43 TC	Q	1+	B-	100	0	3.202
	100	43 TC	Q	1+	EC	1.80E-03	0	0.168
F101		43 TC	Q	9/2+	B-	100	0	1.613
!101M		43 TC	Q	1/2-	IT	100	0.2075	0.207
F102		43 TC	Q	1+	B-	100	0	4.53
F102M		43 TC	Q	(4,5)	B-	98	0	4.53
F102M		43 TC	Q	(4,5)	IT	2	0	0
F103		43 TC	Q	5/2+	B-	100	0	2.66
F104		43 TC	Q	(3+)	B-	100	0	5.6
F105		43 TC	Q	(3/2-)	B-	100	0	3.64
F106		43 TC	Q	(1,2)	B-	100	0	6.547
F107		43 TC	Q	(3/2-)	B-	100	0	4.82
F108		43 TC	Q	(2)+	B-	100	0	7.72
F109		43 TC	Q	(5/2+)	B-	100	0	5.990S
F109		43 TC	Q	(5/2+)	BN	0.08	0	0.720S
F110		43 TC	Q	(2+)	B-	99.96	0	8.800S
F110		43 TC	Q	(2+)	BN	0.04	0	1.400S
F111		43 TC	Q	(7/2+,9/2+)	B-	100	0	7.000S
F111		43 TC	Q	(7/2+,9/2+)	BN	0.85	0	2.300S
F112		43 TC	Q		B-	100	0	10.000S
F112		43 TC	Q		BN	1.5	0	2.800S
F113		43 TC	Q		B-	100	0	8.200S
F113		43 TC	Q		BN	2.1	0	3.800S
	114	43 TC	Q		B-	100	0	11.100S
	114	43 TC	Q		BN		0	4.400S
	115	43 TC	Q		B-		0	9.300S
	115	43 TC	Q		BN		0	5.200S
	116	43 TC	Q		B-		0	0
	117	43 TC	Q		B-		0	0
	118	43 TC	Q		B-		0	0
	87	44 RU			EC?		0	11.800S
	88	44 RU	Q	0+	EC	100	0	7.100S
	88	44 RU	Q	0+	EP		0	4.900S
	89	44 RU	Q		EC	100	0	8.000S
	89	44 RU	Q		EP<	0.15	0	5.900S
	90	44 RU	Q	0+	EC	100	0	5.800S
	91	44 RU	Q	(9/2+)	EC	100	0	7.4
91M		44 RU	Q	(1/2-)	EC>	0	0	7.4
91M		44 RU	Q	(1/2-)	EP>	0	0	4.3
91M		44 RU	Q	(1/2-)	IT		0	0
	92	44 RU	Q	0+	EC	100	0	4.500S
	93	44 RU	Q	(9/2)+	EC	100	0	6.34
93M		44 RU	Q	(1/2)-	EC	78	0.7344	7.074
93M		44 RU	Q	(1/2)-	IT	22	0.7344	0.734
93M		44 RU	Q	(1/2)-	EP	0.03	0.7344	2.984

	94	44 RU	Q	0+	EC	100	0	1.587
	95	44 RU	Q	5/2+	EC	100	0	2.567
	96	44 RU	Q	0+			0	0
	97	44 RU	Q	5/2+	EC	100	0	1.108
	98	44 RU	Q	0+			0	0
	99	44 RU	Q	5/2+			0	0
	100	44 RU	Q	0+			0	0
	101	44 RU	Q	5/2+			0	0
	102	44 RU	Q	0+			0	0
	103	44 RU	Q	3/2+	B-	100	0	0.763
!103M		44 RU	Q	11/2-	IT	100	0.2382	0.238
F104		44 RU	Q	0+			0	0
	105	44 RU	Q	3/2+	B-	100	0	1.917
	106	44 RU	Q	0+	B-	100	0	0.039
	107	44 RU	Q	(5/2)+	B-	100	0	2.94
	108	44 RU	Q	0+	B-	100	0	1.36
F109		44 RU	Q	(5/2+)	B-	100	0	4.16
F110		44 RU	Q	0+	B-	100	0	2.81
F111		44 RU	Q	(5/2+)	B-	100	0	5.500S
F112		44 RU	Q	0+	B-	100	0	3.670S
F113		44 RU	Q	(5/2+)	B-	100	0	6.600S
113M		44 RU	Q	(11/2-)	B-	92	0.13	6.730S
113M		44 RU	Q	(11/2-)	IT	8	0.13	0.13
F114		44 RU	Q	0+	B-	100	0	4.800S
F115		44 RU	Q		B-	100	0	7.600S
F115		44 RU	Q		BN		0	0.700S
	116	44 RU	Q	0+	B-?		0	0
	117	44 RU	Q		B-		0	8.800S
	118	44 RU		0+	B-?		0	7.100S
	119	44 RU	Q		B-		0	0
	120	44 RU	Q	0+	B-		0	0
	89	45 RH	Q		EC		0	12.400S
	90	45 RH	Q		EC?		0	12.200S
90M		45 RH	Q		EC?		0	12.200S
	91	45 RH	Q	(9/2+)	EC		0	9.500S
91M		45 RH	Q	(1/2-)	EC		0	9.500S
	92	45 RH	Q	(2+)	EC	100	0	11.000S
	92	45 RH	Q	(GE 6+)	EC	100	0	11.000S
	93	45 RH	Q	(9/2+)	EC		0	8.100S
94M		45 RH	Q	(8+)	EC	100	0	9.600S
94M		45 RH	Q	(3+)	EC	100	0	9.600S
	95	45 RH	Q	(9/2)+	EC	100	0	5.11
95M		45 RH	Q	(1/2)-	IT	88	0.543	0.543
95M		45 RH	Q	(1/2)-	EC	12	0.543	5.653
	96	45 RH	Q	(6+)	EC	100	0	6.446
96M		45 RH	Q	(3+)	IT	60	0.052	0.052
96M		45 RH	Q	(3+)	EC	40	0.052	6.498
	97	45 RH	Q	9/2+	EC	100	0	3.52
97M		45 RH	Q	1/2-	EC	94.4	0.259	3.779
97M		45 RH	Q	1/2-	IT	5.6	0.259	0.259
	98	45 RH	Q	(2)+	EC	100	0	5.057
98M		45 RH	Q	(5+)	IT	89	0	0

98M		45 RH	Q	(5+)	EC	11	0	5.057
	99	45 RH	Q	1/2-	EC	100	0	2.043
99M		45 RH	Q	9/2+	EC>	99.84	0.0643	2.107
99M		45 RH	Q	9/2+	IT<	0.16	0.0643	0.064
	100	45 RH	Q		-1 EC	100	0	3.63
100M		45 RH	Q	(5+)	IT@	98.3	0	0
100M		45 RH	Q	(5+)	EC@	1.7	0	3.63
	101	45 RH	Q	1/2-	EC	100	0	0.541
101M		45 RH	Q	9/2+	EC	92.8	0.1573	0.698
101M		45 RH	Q	9/2+	IT	7.2	0.1573	0.157
	102	45 RH	Q	(1-,2-)	EC	78	0	2.323
	102	45 RH	Q	(1-,2-)	B-	22	0	1.151
102M		45 RH	Q	6(+)	EC	99.77	0.1408	2.464
102M		45 RH	Q	6(+)	IT	0.23	0.1408	0.141
	103	45 RH	Q	1/2-			0	0
103M		45 RH	Q	7/2+	IT	100	0.0398	0.04
	104	45 RH	Q	1+	B-	99.55	0	2.441
	104	45 RH	Q	1+	EC	0.45	0	1.141
104M		45 RH	Q	5+	IT	99.87	0.129	0.129
104M		45 RH	Q	5+	B-	0.13	0.129	2.57
	105	45 RH	Q	7/2+	B-	100	0	0.567
105M		45 RH	Q	1/2-	IT	100	0.1298	0.13
	106	45 RH	Q	1+	B-	100	0	3.541
106M		45 RH	Q	(6)+	B-	100	0.137	3.678
	107	45 RH	Q	7/2+	B-	100	0	1.511
	108	45 RH	Q	1+	B-	100	0	4.51
108M		45 RH	Q	(5+)	B-	100	0	4.51
	109	45 RH	Q	7/2+	B-	100	0	2.591
110M		45 RH	Q	1+	B-	100	0	5.4
110M		45 RH	Q	(GE4)	B-	100	0	5.4
F111		45 RH	Q	(7/2+)	B-	100	0	3.740S
112M		45 RH	Q	1+	B-	100	0	6.800S
112M		45 RH	Q	(4,5,6)	B-	100	0	6.800S
F113		45 RH	Q	(7/2+)	B-	100	0	4.900S
F114		45 RH	Q	1+	B-	100	0	7.900S
114M		45 RH	Q	(4,5)	B-	100	0	7.900S
F115		45 RH	Q	(7/2+)	B-	100	0	6
F116		45 RH	Q	1+	B-	100	0	8.900S
116M		45 RH	Q	(6-)	B-	100	0.15	9.050S
F117		45 RH	Q	(7/2+)	B-	100	0	7.000S
	118	45 RH	Q	0+	B-		0	9.700S
	119	45 RH	Q		B-		0	8.100S
	120	45 RH			B-?		0	10.900S
	121	45 RH			B-?		0	9.200S
	122	45 RH	N		B-?			0
	91	46 PD	Q		EC?		0	12.000S
	92	46 PD	Q	0+	EC	100	0	7.900S
	93	46 PD	Q	(7/2+,9/2+)	EC	100	0	9.500S
	93	46 PD	Q	(7/2+,9/2+)	EP	1.5	0	7.400S
93M		46 PD	Q		EC		0	9.500S
93M		46 PD	Q		IT		0	0
	94	46 PD	Q	0+	EC	100	0	6.600S

	95	46 PD	Q		EC		0	0
95M		46 PD	Q	(21/2+)	EC#	91.3	2	10.200S
95M		46 PD	Q	(21/2+)	IT&	9.7	2	2
95M		46 PD	Q	(21/2+)	EP	0.9	2	7.100S
	96	46 PD	Q	0+	EC	100	0	3.45
	97	46 PD	Q	5/2+	EC	100	0	4.8
	98	46 PD	Q	0+	EC	100	0	1.867
	99	46 PD	Q	(5/2)+	EC	100	0	3.387
	100	46 PD	Q	0+	EC	100	0	0.361
	101	46 PD	Q	5/2+	EC	100	0	1.98
	102	46 PD	Q	0+			0	0
	103	46 PD	Q	5/2+	EC	100	0	0.543
	104	46 PD	Q	0+			0	0
	105	46 PD	Q	5/2+			0	0
	106	46 PD	Q	0+			0	0
	107	46 PD	Q	5/2+	B-	100	0	0.033
107M		46 PD	Q	11/2-	IT	100	0.2146	0.215
	108	46 PD	Q	0+			0	0
	109	46 PD	Q	5/2+	B-	100	0	1.116
109M		46 PD	Q	11/2-	IT	100	0.189	0.189
	110	46 PD	Q	0+			0	0
	111	46 PD	Q	5/2+	B-	100	0	2.19
111M		46 PD	Q	11/2-	IT	73	0.1722	0.172
111M		46 PD	Q	11/2-	B-	27	0.1722	2.362
F112		46 PD	Q	0+	B-	100	0	0.288
F113		46 PD	Q	(5/2+)	B-	100	0	3.34
113M		46 PD	Q				0	0
113M		46 PD	Q	(9/2-)	IT	100	0.0811	0.081
F114		46 PD	Q	0+	B-	100	0	1.451
F115		46 PD	Q	(5/2+)	B-	100	0	4.58
115M		46 PD	Q	(11/2-)	B-	92	0.0892	4.669
115M		46 PD	Q	(11/2-)	IT	8	0.0892	0.089
F116		46 PD	Q	0+	B-	100	0	2.61
F117		46 PD	Q	(5/2+)	B-	100	0	5.700S
!117M		46 PD	Q	(11/2-)	IT	100	0.2032	0.203
F118		46 PD	Q	0+	B-	100	0	4.1
F119		46 PD	Q		B-	100	0	6.500S
F120		46 PD	Q	0+	B-	100	0	4.900S
	121	46 PD	W		B-?		0	7.800S
	122	46 PD	Q	0+	B-	100	0	6.000S
	122	46 PD	Q	0+	BN		0	1.200S
	123	46 PD	Q		B-		0	8.700S
	124	46 PD	N	0+	B-?			0
	93	47 AG	Q		EC?		0	0
	93	47 AG	Q		P ?		0	0
	94	47 AG	Q	(0+)	EC	100	0	0
	94	47 AG	Q	(0+)	EP		0	0
94M		47 AG	Q	(21+)	EC	100	0	0
94M		47 AG	Q	(21+)	EP		0	0
94M		47 AG	Q	(7+)	EC	100	0	0
94M		47 AG	Q	(7+)	EP>	0	0	0
	95	47 AG			EC		0	10.100S

	95	47 AG			EP		0	5.500S
	96	47 AG	Q	(8+)	EC	100	0	11.600S
	96	47 AG	Q	(8+)	EP	8.15	0	6.500S
	96	47 AG	Q	(2+)	EC	100	0	11.600S
	96	47 AG	Q	(2+)	EP	18	0	6.500S
	97	47 AG	Q	9/2+	EC	100	0	7.000S
	98	47 AG	Q	(6+)	EC	100	0	8.42
	98	47 AG	Q	(6+)	EP	1.10E-03	0	2.42
	99	47 AG	Q	(9/2)+	EC	100	0	5.43
99M		47 AG	Q	(1/2-)	IT	100	0.5061	0.506
	100	47 AG	Q	(5)+	EC	100	0	7.05
100M		47 AG	Q	(2)+	EC		0.0155	7.066
100M		47 AG	Q	(2)+	IT		0.0155	0.015
	101	47 AG	Q	9/2+	EC	100	0	4.2
101M		47 AG	Q	(1/2)-	IT	100	0.2741	0.274
	102	47 AG	Q	5+	EC	100	0	5.95
102M		47 AG	Q	2+	EC	51	0.0093	5.959
102M		47 AG	Q	2+	IT	49	0.0093	0.009
	103	47 AG	Q	7/2+	EC	100	0	2.688
103M		47 AG	Q	1/2-	IT	100	0.1345	0.134
	104	47 AG	Q	5+	EC	100	0	4.279
104M		47 AG	Q	2+	EC	99.93	0.0069	4.286
104M		47 AG	Q	2+	IT<	0.07	0.0069	0.007
	105	47 AG	Q	1/2-	EC	100	0	1.345
105M		47 AG	Q	7/2+	IT	99.66	0.0255	0.025
	106	47 AG	Q	1+	EC	99.5	0	2.965
	106	47 AG	Q	1+	B-<	1	0	0.194
106M		47 AG	Q	6+	EC	100	0.09	3.055
	107	47 AG	Q	1/2-			0	0
107M		47 AG	Q	7/2+	IT	100	0.0931	0.093
	108	47 AG	Q	1+	B-	97.15	0	1.649
	108	47 AG	Q	1+	EC	2.85	0	1.918
108M		47 AG	Q	6+	EC	91.3	0.1094	2.027
108M		47 AG	Q	6+	IT	8.7	0.1094	0.109
	109	47 AG	Q	1/2-			0	0
109M		47 AG	Q	7/2+	IT	100	0.088	0.088
	110	47 AG	Q	1+	B-	99.7	0	2.892
	110	47 AG	Q	1+	EC	0.3	0	0.892
110M		47 AG	Q	6+	B-	98.64	0.1176	3.01
110M		47 AG	Q	6+	IT	1.36	0.1176	0.118
	111	47 AG	Q	1/2-	B-	100	0	1.037
111M		47 AG	Q	7/2+	IT	99.3	0.0598	0.06
111M		47 AG	Q	7/2+	B-	0.7	0.0598	1.097
	112	47 AG	Q	2(-)	B-	100	0	3.956
	113	47 AG	Q	1/2-	B-	100	0	2.016
113M		47 AG	Q	7/2+	IT	64	0.0435	0.043
113M		47 AG	Q	7/2+	B-	36	0.0435	2.059
F114		47 AG	Q	1+	B-	100	0	5.08
!114M		47 AG	Q	(LE6+)	IT	100	0.199	0.199
F115		47 AG	Q	1/2-	B-	100	0	3.1
F115M		47 AG	Q	7/2+	B-	79	0.0412	3.141
F115M		47 AG	Q	7/2+	IT	21	0.0412	0.041

F116	47 AG	Q	(2)-	B-	100	0	6.15
F116M	47 AG	Q	(5+)	B-	94	0.0819	6.232
F116M	47 AG	Q	(5+)	IT	6	0.0819	0.082
F117	47 AG	Q	(1/2-)	B-@	100	0	4.16
F117M	47 AG	Q	(7/2+)	B-	94	0.0286	4.189
F117M	47 AG	Q	(7/2+)	IT	6	0.0286	0.029
F118	47 AG	Q	1(-)	B-	100	0	7.14
F118M	47 AG	Q	4(+)	B-	59	0.128	7.268
F118M	47 AG	Q	4(+)	IT	41	0.128	0.128
119M	47 AG	Q	(7/2+)	B-	100	0	5.35
119M	47 AG	Q	(1/2-)	B-	100	0	5.35
F120	47 AG	Q	3(+)	B-	100	0	8.33
F120	47 AG	Q	3(+)	BN<	3.00E-03	0	0.19
F120M	47 AG	Q	6(-)	B-@	63	0.203	8.533
F120M	47 AG	Q	6(-)	IT@	37	0.203	0.203
F121	47 AG	Q	(7/2+)	B-	100	0	6.4
F121	47 AG	Q	(7/2+)	BN	0.08	0	1.24
F122	47 AG	Q	(3+)	B-	100	0	9.100S
F122	47 AG	Q	(3+)	BN	0.19	0	1.560S
F122M	47 AG	Q	(8-)	B-	100	0.08	9.180S
F122M	47 AG	Q	(8-)	BN		0.08	1.640S
F123	47 AG	Q	(7/2+)	B-	100	0	7.400S
F123	47 AG	Q	(7/2+)	BN	0.55	0	2.500S
F124	47 AG	Q		B-	100	0	10.100S
F124	47 AG	Q		BN>	0.1	0	2.700S
125	47 AG	Q	(7/2+)	B-	100	0	8.700S
125	47 AG	Q	(7/2+)	BN		0	3.900S
126	47 AG	Q		B-	100	0	11.300S
126	47 AG	Q		BN		0	4.300S
127	47 AG	Q	(1/2-)	B-	100	0	9.700S
128	47 AG	Q		B-	100	0	0
128	47 AG	Q		BN		0	0
129	47 AG	Q	(9/2+)	B-	100	0	0
129	47 AG	Q	(9/2+)	BN		0	0
129M	47 AG	Q	(1/2-)	B-		0	0
129M	47 AG	Q	(1/2-)	BN		0	0
130	47 AG	Q		B-		0	0
95	48 CD	W		EC?			
95	48 CD	W		EP?			
96	48 CD	N	0+	EC?			8.500S
97	48 CD	Q		EC		0	10.200S
97	48 CD	Q		EP		0	8.300S
98	48 CD	Q	0+	EC	100	0	5.420S
98	48 CD	Q	0+	EP<	0.03	0	3.100S
99	48 CD	Q	(5/2+)	EC	100	0	6.900S
99	48 CD	Q	(5/2+)	EP	0.17	0	4.160S
99	48 CD	Q	(5/2+)	EA<	1.00E-04	0	6.100S
100	48 CD	Q	0+	EC	100	0	3.88
101	48 CD	Q	(5/2+)	EC	100	0	5.48
102	48 CD	Q	0+	EC	100	0	2.587
103	48 CD	Q	5/2+	EC	100	0	4.142
104	48 CD	Q	0+	EC	100	0	1.136

	105	48 CD	Q	5/2+	EC	100	0	2.738
	106	48 CD	Q	0+	2EC		0	0
	107	48 CD	Q	5/2+	EC	100	0	1.417
	108	48 CD	Q	0+	2EC		0	0
	109	48 CD	Q	5/2+	EC	100	0	0.214
	110	48 CD	Q	0+			0	0
	111	48 CD	Q	1/2+			0	0
111M		48 CD	Q	11/2-	IT	100	0.3962	0.396
	112	48 CD	Q	0+			0	0
	113	48 CD	Q	1/2+	B-	100	0	0.316
113M		48 CD	Q	11/2-	B-	99.86	0.2635	0.58
113M		48 CD	Q	11/2-	IT	0.14	0.2635	0.264
	114	48 CD	Q	0+	2B-		0	0.537
	115	48 CD	Q	1/2+	B-	100	0	1.446
115M		48 CD	Q	(11/2)-	B-	100	0.181	1.627
	116	48 CD	Q	0+	2B-		0	2.805
F117		48 CD	Q	1/2+	B-	100	0	2.517
F117M		48 CD	Q	(11/2)-	B-	100	0.1364	2.653
F118		48 CD	Q	0+	B-	100	0	0.521
F119		48 CD	Q	3/2+	B-	100	0	3.8
F119M		48 CD	Q	(11/2)-	B-	100	0.1465	3.947
F120		48 CD	Q	0+	B-	100	0	1.76
F121		48 CD	Q	(3/2+)	B-	100	0	4.78
F121M		48 CD	Q	(11/2)-	B-	100	0.2149	4.995
F122		48 CD	Q	0+	B-	100	0	3.000S
F123		48 CD	Q	(3/2+)	B-	100	0	6.12
123M		48 CD	Q	(11/2)-	B-&	100	0.3165	6.437
123M		48 CD	Q	(11/2)-	IT		0.3165	0.317
F124		48 CD	Q	0+	B-	100	0	4.17
F125		48 CD	Q	(3/2+)	B-	100	0	7.12
125M		48 CD	Q	(11/2)-	B-	100	0.05	7.17
F126		48 CD	Q	0+	B-	100	0	5.49
F127		48 CD	Q	(3/2+)	B-	100	0	8.47
F128		48 CD	Q	0+	B-	100	0	7.1
	129	48 CD	Q	(3/2+)	B-		0	9.900S
F130		48 CD	Q	0+	B-	100	0	8.500S
F130		48 CD	Q	0+	BN@	3.5	0	3.400S
F131		48 CD			B-	100		0
F131		48 CD			BN	3.5		0
	132	48 CD	Q	0+	B-	100	0	11.699S
	132	48 CD	Q	0+	BN	60	0	0
	97	49 IN	W		P ?			
	97	49 IN	W		EC?			
	98	49 IN	Q		EC		0	13.700S
98M		49 IN	Q		EC		0	13.700S
	99	49 IN	Q	(9/2+)	EC		0	8.900S
	100	49 IN	Q	(6,7)+	EC	100	0	10.2
	100	49 IN	Q	(6,7)+	EP	1.6	0	5.3
	101	49 IN	Q		EC@	100	0	7.300S
	101	49 IN	Q		EP		0	2.500S
	102	49 IN	Q	(6+)	EC	100	0	9.3
	102	49 IN	Q	(6+)	EP	9.30E-03	0	3.8

	103	49 IN	Q	(9/2+)	EC	100	0	6.05
103M		49 IN	Q	(1/2-)	EC	67	0.6317	6.682
103M		49 IN	Q	(1/2-)	IT	33	0.6317	0.632
	104	49 IN	Q	5,6(+)	EC	100	0	7.91
104M		49 IN	Q	(3+)	IT	80	0.0935	0.094
104M		49 IN	Q	(3+)	EC	20	0.0935	8.003
	105	49 IN	Q	9/2+	EC	100	0	4.849
105M		49 IN	Q	(1/2-)	IT	100	0.6741	0.674
	106	49 IN	Q	7+	EC	100	0	6.523
106M		49 IN	Q	(3+)	EC	100	0.029	6.552
	107	49 IN	Q	9/2+	EC	100	0	3.426
107M		49 IN	Q	1/2-	IT	100	0.6785	0.678
	108	49 IN	Q	7+	EC	100	0	5.16
108M		49 IN	Q	2+	EC	100	0.0298	5.19
	109	49 IN	Q	9/2+	EC	100	0	2.02
109M		49 IN	Q	1/2-	IT	100	0.6501	0.65
109M		49 IN	Q	(19/2+)	IT	100	2.1018	2.102
	110	49 IN	Q	7+	EC	100	0	3.878
110M		49 IN	Q	2+	EC	100	0.0621	3.94
	111	49 IN	Q	9/2+	EC	100	0	0.865
111M		49 IN	Q	1/2-	IT	100	0.537	0.537
	112	49 IN	Q	1+	EC	56	0	2.586
	112	49 IN	Q	1+	B-	44	0	0.664
112M		49 IN	Q	4+	IT	100	0.1566	0.157
	113	49 IN	Q	9/2+			0	0
113M		49 IN	Q	1/2-	IT	100	0.3917	0.392
	114	49 IN	Q	1+	B-	99.5	0	1.989
	114	49 IN	Q	1+	EC	0.5	0	1.452
114M		49 IN	Q	5+	IT	96.75	0.1903	0.19
114M		49 IN	Q	5+	EC	3.25	0.1903	1.642
!114M		49 IN	Q		-8 IT	100	0.5019	0.502
	115	49 IN	Q	9/2+	B-	100	0	0.496
115M		49 IN	Q	1/2-	IT	95	0.3362	0.336
115M		49 IN	Q	1/2-	B-	5	0.3362	0.832
	116	49 IN	Q	1+	B-	99.98	0	3.275
	116	49 IN	Q	1+	EC	0.02	0	0.47
116M		49 IN	Q	5+	B-	100	0.1273	3.402
116M		49 IN	Q		-8 IT	100	0.2897	0.29
	117	49 IN	Q	9/2+	B-	100	0	1.455
117M		49 IN	Q	1/2-	B-	52.9	0.3153	1.77
117M		49 IN	Q	1/2-	IT	47.1	0.3153	0.315
	118	49 IN	Q	1+	B-	100	0	4.423
118M		49 IN	Q	5+	B-	100	0.06	4.483
118M		49 IN	Q		-8 IT	98.6	0.2	0.2
118M		49 IN	Q		-8 B-	1.4	0.2	4.623
F119		49 IN	Q	9/2+	B-	100	0	2.364
119M		49 IN	Q	1/2-	B-	94.4	0.3114	2.675
119M		49 IN	Q	1/2-	IT	5.6	0.3114	0.311
F120		49 IN	Q	1+	B-	100	0	5.37
F120M		49 IN	Q	(8-)	B-	100	0	5.37
F120M		49 IN	Q	(5+)	B-	100	0.07	5.44
F121		49 IN	Q	9/2+	B-	100	0	3.36

F121M	49 IN	Q	1/2-	B-	98.8	0.313	3.673
F121M	49 IN	Q	1/2-	IT	1.2	0.313	0.313
F122	49 IN	Q	1+	B-	100	0	6.37
F122M	49 IN	Q	5+	B-	100	0.04	6.41
F122M	49 IN	Q		-8 B-	100	0.29	6.66
F123	49 IN	Q	(9/2)+	B-	100	0	4.394
F123M	49 IN	Q	(1/2)-	B-	100	0.3272	4.721
F124	49 IN	Q	3+	B-	100	0	7.36
F124M	49 IN	Q	(8-)	B-	100	0.05	7.41
F125	49 IN	Q	9/2+	B-	100	0	5.42
F125M	49 IN	Q	1/2(-)	B-	100	0.3601	5.78
F126	49 IN	Q	3(+)	B-	100	0	8.21
F126M	49 IN	Q	(8-)	B-	100	0.102	8.312
F127	49 IN	Q	(9/2+)	B-	100	0	6.51
F127	49 IN	Q	(9/2+)	BN&	0.03	0	0.95
F127M	49 IN	Q	(1/2-)	B-	100	0.462	6.972
F127M	49 IN	Q	(1/2-)	BN	0.69	0.462	1.412
F128	49 IN	Q	(3)+	B-	100	0	8.98
F128	49 IN	Q	(3)+	BN<	0.05	0	1.08
F128M	49 IN	Q	(8-)	B-	100	0.34	9.32
F128M	49 IN	Q	(8-)	BN<	0.05	0.34	1.42
F129	49 IN	Q	(9/2+)	B-	100	0	7.66
F129	49 IN	Q	(9/2+)	BN	0.25	0	2.29
F129M	49 IN	Q	(1/2-)	B->	99.7	0.38	8.04
F129M	49 IN	Q	(1/2-)	BN	2.5	0.38	2.67
F129M	49 IN	Q	(1/2-)	IT<	0.3	0.38	0.38
F130	49 IN	Q	1(-)	B-	100	0	10.25
F130	49 IN	Q	1(-)	BN	0.93	0	2.56
F130M	49 IN	Q	(10-)	B-	100	0.05	10.3
F130M	49 IN	Q	(10-)	BN	1.65	0.05	2.61
F130M	49 IN	Q	(5+)	B-	100	0.4	10.65
F130M	49 IN	Q	(5+)	BN	1.65	0.4	2.96
F131	49 IN	Q	(9/2+)	B-	100	0	9.174
F131	49 IN	Q	(9/2+)	BN&	2	0	3.96
F131M	49 IN	Q	(1/2-)	B-#	99.98	0.363	9.537
F131M	49 IN	Q	(1/2-)	BN&	2	0.363	4.323
F131M	49 IN	Q	(1/2-)	IT&	0.02	0.363	0.363
F131M	49 IN	Q		B->	99	4.27	13.444
F131M	49 IN	Q		IT<	1	4.27	4.27
F131M	49 IN	Q		BN	0.03	4.27	8.23
F132	49 IN	Q	(7-)	B-	100	0	14.14
F132	49 IN	Q	(7-)	BN	6.3	0	6.83
F133	49 IN	Q	(9/2+)	B-	100	0	13.500S
F133	49 IN	Q	(9/2+)	BN	85	0	11.100S
134	49 IN	Q	(4- to 7-)	B-	100	0	15.100S
134	49 IN	Q	(4- to 7-)	BN	65	0	11.300S
135	49 IN	Q		B-	100	0	0
135	49 IN	Q		BN>	0	0	0
99	50 SN	W		EC?			
99	50 SN	W		EP?			
100	50 SN	Q	0+	EC	100	0	7.270S
100	50 SN	Q	0+	EP<	17	0	5.700S

101	50 SN	Q		EC		0	8.800S
101	50 SN	Q		EP		0	7.500S
102	50 SN	Q	0+	EC	100	0	5.400S
103	50 SN	Q		EC	100	0	7.700S
103	50 SN	Q		EP		0	5.100S
104	50 SN	Q	0+	EC	100	0	4.52
105	50 SN	Q	(5/2+)	EC	100	0	6.26
105	50 SN	Q	(5/2+)	EP		0	3.46
106	50 SN	Q	0+	EC	100	0	3.19
107	50 SN	Q	(5/2+)	EC	100	0	5.01
108	50 SN	Q	0+	EC	100	0	2.092
109	50 SN	Q	5/2(+)	EC	100	0	3.85
110	50 SN	Q	0+	EC	100	0	0.637
111	50 SN	Q	7/2+	EC	100	0	2.445
!111M	50 SN	Q	1/2+	IT	100	0.2547	0.255
112	50 SN	Q	0+			0	0
113	50 SN	Q	1/2+	EC	100	0	1.036
113M	50 SN	Q	7/2+	IT	91.1	0.0774	0.077
113M	50 SN	Q	7/2+	EC	8.9	0.0774	1.113
114	50 SN	Q	0+			0	0
115	50 SN	Q	1/2+			0	0
!115M	50 SN	Q	7/2+	IT	100	0.6128	0.613
!115M	50 SN	Q	11/2-	IT	100	0.7136	0.714
116	50 SN	Q	0+			0	0
117	50 SN	Q	1/2+			0	0
117M	50 SN	Q	11/2-	IT	100	0.3146	0.315
118	50 SN	Q	0+			0	0
119	50 SN	Q	1/2+			0	0
119M	50 SN	Q	11/2-	IT	100	0.0895	0.09
120	50 SN	Q	0+			0	0
F121	50 SN	Q	3/2+	B-	100	0	0.39
121M	50 SN	Q	11/2-	IT	77.6	0.0063	0.006
121M	50 SN	Q	11/2-	B-	22.4	0.0063	0.396
F122	50 SN	Q	0+			0	0
F123	50 SN	Q	11/2-	B-	100	0	1.403
F123M	50 SN	Q	3/2+	B-	100	0.0246	1.428
F124	50 SN	Q	0+			0	0
!124M	50 SN	Q	(10+)	IT	100	2.6566	2.657
F125	50 SN	Q	11/2-	B-	100	0	2.363
F125M	50 SN	Q	3/2+	B-	100	0.0275	2.39
F126	50 SN	Q	0+	B-	100	0	0.38
F127	50 SN	Q	(11/2-)	B-	100	0	3.201
F127M	50 SN	Q	(3/2+)	B-	100	0.0047	3.206
F128	50 SN	Q	0+	B-	100	0	1.274
F128M	50 SN	Q	(7-)	IT	100	2.0915	2.092
F129	50 SN	Q	(3/2+)	B-	100	0	4
F129M	50 SN	Q	(11/2-)	B-	100	0.0352	4.035
F129M	50 SN	Q	(11/2-)	IT<	2.00E-03	0.0352	0.035
F130	50 SN	Q	0+	B-	100	0	2.148
F130M	50 SN	Q	(7-)	B-	100	1.9469	4.095
F131	50 SN	Q	(3/2+)	B-	100	0	4.632
F131M	50 SN	Q	(11/2-)	B-	100	0.242	4.874

F131M	50 SN	Q	(11/2-)	IT&	4.00E-04	0.242	0.242
F132	50 SN	Q	0+	B-	100	0	3.103
!132M	50 SN	Q	(8+)	IT	100	4.8485	4.848
F133	50 SN	Q	(7/2-)	B-	100	0	7.99
F133	50 SN	Q	(7/2-)	BN	0.08	0	0.69
F134	50 SN	Q	0+	B-	100	0	7.37
F134	50 SN	Q	0+	BN	17	0	4.25
F135	50 SN	Q	(7/2-)	B-	100	0	8.900S
F135	50 SN	Q	(7/2-)	BN	21	0	5.100S
136	50 SN	Q	0+	B-	100	0	8.100S
136	50 SN	Q	0+	BN	30	0	5.100S
137	50 SN	Q		B-	100	0	9.800S
137	50 SN	Q		BN	58	0	6.000S
103	51 SB	W		EC?		0	11.200S
104	51 SB	Q		EC	100	0	12.200S
104	51 SB	Q		EP<	7	0	8.000S
104	51 SB	Q		P <	1	0	0.310S
105	51 SB	Q	(5/2+)	EC	99	0	9.44
105	51 SB	Q	(5/2+)	P	1	0	0.483
106	51 SB	Q	(4+)	EC		0	11.100S
107	51 SB	Q	(5/2+)	EC	100	0	7.900S
108	51 SB	Q	(4+)	EC	100	0	9.500S
109	51 SB	Q	(5/2+)	EC	100	0	6.38
110	51 SB	Q	(3+,4+)	EC	100	0	8.300S
111	51 SB	Q	(5/2+)	EC	100	0	5.100S
112	51 SB	Q	3+	EC	100	0	7.055
113	51 SB	Q	5/2+	EC	100	0	3.917
114	51 SB	Q	3+	EC	100	0	5.88
115	51 SB	Q	5/2+	EC	100	0	3.03
!115M	51 SB	Q	11/2-	IT	100	1.3002	1.3
!115M	51 SB	Q	(19/2)-	IT	100	2.7963	2.796
!115M	51 SB	Q	(25/2)+	IT	100	3.6596	3.66
116	51 SB	Q	3+	EC	100	0	4.707
116M	51 SB	Q		-8 EC	100	0.383	5.09
117	51 SB	Q	5/2+	EC	100	0	1.757
117	51 SB	Q	5/2+	EC	1.7	0	1.757
!117M	51 SB	Q	(25/2)+	IT	100	3.1308	3.131
118	51 SB	Q	1+	EC	100	0	3.657
118M	51 SB	Q		-8 EC	100	0.25	3.907
119	51 SB	Q	5/2+	EC	100	0	0.594
119M	51 SB	Q	(27/2+)	IT	100	2.8417	2.842
120	51 SB	Q	1+	EC	100	0	2.681
120M	51 SB	Q		-8 EC	100	0	2.681
121	51 SB	Q	5/2+			0	0
122	51 SB	Q		-2 B-	97.59	0	1.982
122	51 SB	Q		-2 EC	2.41	0	1.616
!122M	51 SB	Q	5+	IT	100	0.1375	0.138
122M	51 SB	Q	(8)-	IT	100	0.1636	0.164
123	51 SB	Q	7/2+			0	0
124	51 SB	Q		-3 B-	100	0	2.905
124M	51 SB	Q	5+	IT	75	0.0109	0.011
124M	51 SB	Q	5+	B-	25	0.0109	2.916

124M	51 SB	Q	(8)-	IT	100	0.0368	0.037
125	51 SB	Q	7/2+	B-	100	0	0.767
F126	51 SB	Q	(8-)	B-	100	0	3.67
F126M	51 SB	Q	(5+)	B-	86	0.0177	3.688
F126M	51 SB	Q	(5+)	IT	14	0.0177	0.018
F126M	51 SB	Q	(3-)	IT	100	0.0404	0.04
F127	51 SB	Q	7/2+	B-	100	0	1.581
F128	51 SB	Q		-8 B-	100	0	4.38
F128M	51 SB	Q	5+	B-	96.4	0	4.38
F128M	51 SB	Q	5+	IT	3.6	0	0
F129	51 SB	Q	7/2+	B-	100	0	2.38
129M	51 SB	Q	(19/2-)	B-	85	1.851	4.231
129M	51 SB	Q	(19/2-)	IT	15	1.851	1.851
F130	51 SB	Q	(8-)	B-	100	0	4.96
F130M	51 SB	Q	(4,5)+	B-	100	0.0048	4.965
F131	51 SB	Q	(7/2+)	B-	100	0	3.19
F132	51 SB	Q	(4)+	B-	100	0	5.486
F132M	51 SB	Q	(8-)	B-	100	0	5.486
F133	51 SB	Q	(7/2+)	B-	100	0	4.003
!133M	51 SB	Q		IT	100	4.3645	4.365
!133M	51 SB	Q		IT	100	4.527	4.527
F134	51 SB	Q	(0-)	B-	100	0	8.39
F134M	51 SB	Q	(7-)	B-	100	0	8.39
F134M	51 SB	Q	(7-)	BN	0.09	0	0.88
!134M	51 SB	Q	(1+)	N	100	3.775	0.655
F135	51 SB	Q	(7/2+)	B-	100	0	8.12
F135	51 SB	Q	(7/2+)	BN	22	0	4.62
F136	51 SB	Q		-1 B-	100	0	9.800S
F136	51 SB	Q		-1 BN	16.3	0	5.200S
!136M	51 SB	Q	(6-)	IT	100	0	0
F137	51 Sb			B-?		0	9.300S
F137	51 Sb			BN?		0	6.100S
138	51 Sb			B-?		0	10.900S
138	51 Sb			BN?		0	6.500S
139	51 SB	Q		B-?		0	0
105	52 TE	W		A ?			
105	52 TE	W		EC?			
106	52 TE	Q	0+	A	100	0	4.293
107	52 TE	Q		A	70	0	4.008
107	52 TE	Q		EC	30	0	10.100S
108	52 TE	Q	0+	EC	51	0	6.800S
108	52 TE	Q	0+	A	49	0	3.445
108	52 TE	Q	0+	EP	2.4	0	5.58
109	52 TE	Q	(5/2+)	EC	96.1	0	8.68
109	52 TE	Q	(5/2+)	EP	9.4	0	7.14
109	52 TE	Q	(5/2+)	A	3.9	0	3.23
109	52 TE	Q	(5/2+)	EA<	5.00E-03	0	9.48
110	52 TE	Q	0+	EC@	100	0	5.260S
110	52 TE	Q	0+	A @	3.00E-03	0	2.723
111	52 TE	Q	(5/2)+	EC	100	0	7.370S
111	52 TE	Q	(5/2)+	EP		0	5.07
112	52 TE	Q	0+	EC	100	0	4.35

	113	52 TE	Q	(7/2+)	EC	100	0	6.100S
	114	52 TE	Q	0+	EC	100	0	2.800S
	115	52 TE	Q	7/2+	EC	100	0	4.64
115M		52 TE	Q	(1/2)+	EC&	100	0.02	4.66
115M		52 TE	Q	(1/2)+	IT		0.02	0.02
!115M		52 TE	Q	11/2-	IT	100	0.28	0.28
	116	52 TE	Q	0+	EC	100	0	1.51
	117	52 TE	Q	1/2+	EC	100	0	3.535
	117	52 TE	Q	1/2+	EC	25	0	3.535
117M		52 TE	Q	(11/2-)	IT	100	0.2961	0.296
	118	52 TE	Q	0+	EC	100	0	0.273
	119	52 TE	Q	1/2+	EC	100	0	2.293
	119	52 TE	Q	1/2+	EC	2.06	0	2.293
119M		52 TE	Q	11/2-	EC	100	0.261	2.554
119M		52 TE	Q	11/2-	EC	0.41	0.261	2.554
119M		52 TE	Q	11/2-	IT<	8.00E-03	0.261	0.261
	120	52 TE	Q	0+	2EC		0	0
	121	52 TE	Q	1/2+	EC	100	0	1.04
121M		52 TE	Q	11/2-	IT	88.6	0.294	0.294
121M		52 TE	Q	11/2-	EC	11.4	0.294	1.334
	122	52 TE	Q	0+			0	0
	123	52 TE	Q	1/2+	EC	100	0	0.053
123M		52 TE	Q	11/2-	IT	100	0.2475	0.248
	124	52 TE	Q	0+			0	0
	125	52 TE	Q	1/2+			0	0
125M		52 TE	Q	11/2-	IT	100	0.1448	0.145
	126	52 TE	Q	0+			0	0
	127	52 TE	Q	3/2+	B-	100	0	0.698
127M		52 TE	Q	11/2-	IT	97.6	0.0883	0.088
127M		52 TE	Q	11/2-	B-	2.4	0.0883	0.786
F128		52 TE	Q	0+	2B-	100	0	0.867
	129	52 TE	Q	3/2+	B-	100	0	1.498
129M		52 TE	Q	11/2-	IT	63	0.1055	0.105
129M		52 TE	Q	11/2-	B-	37	0.1055	1.604
F130		52 TE	Q	0+	2B-	100	0	2.529
F131		52 TE	Q	3/2+	B-	100	0	2.234
F131M		52 TE	Q	11/2-	B-	77.8	0.182	2.416
F131M		52 TE	Q	11/2-	IT	22.2	0.182	0.182
F132		52 TE	Q	0+	B-	100	0	0.493
!132M		52 TE	Q	(7)-	IT	100	1.9255	1.926
!132M		52 TE	Q	(10+)	IT	100	2.7233	2.723
F133		52 TE	Q	(3/2+)	B-	100	0	2.92
F133M		52 TE	Q	(11/2-)	B-	82.5	0.3343	3.254
F133M		52 TE	Q	(11/2-)	IT	17.5	0.3343	0.334
F134		52 TE	Q	0+	B-	100	0	1.55
!134M		52 TE	Q	6+	IT	100	1.6913	1.691
F135		52 TE	Q	(7/2-)	B-	100	0	5.96
F136		52 TE	Q	0+	B-	100	0	5.07
F136		52 TE	Q	0+	BN	1.31	0	1.29
F137		52 TE	Q	(7/2-)	B-	100	0	6.94
F137		52 TE	Q	(7/2-)	BN	2.69	0	1.87
F138		52 TE	Q	0+	B-	100	0	6.370S

F138	52 TE	Q	0+	BN	6.3	0	2.500S
F139	52 TE	Q	(7/2-)	B-		0	8.000S
F139	52 TE	Q	(7/2-)	BN		0	3.400S
F140	52 TE	Q	0+	B-?		0	7.000S
F140	52 TE	Q	0+	BN?		0	3.700S
141	52 TE	Q		B-?		0	8.900S
141	52 TE	Q		BN?		0	4.200S
142	52 TE	Q	0+	B-?		0	0
108	53 I	Q		-1 A	91	0	4.1
108	53 I	Q		-1 EC	9	0	12.900S
108	53 I	Q		-1 P <	1	0	0.400S
109	53 I	Q	1/2+	P	100	0	0.82
110	53 I	Q		EC	83	0	11.900S
110	53 I	Q		A	17	0	3.58
110	53 I	Q		EP	11	0	8.600S
110	53 I	Q		EA	1.1	0	14.700S
111	53 I	Q	(5/2+)	EC	99.9	0	8.500S
111	53 I	Q	(5/2+)	A @	0.1	0	3.28
112	53 I	Q		EC	100	0	10.200S
112	53 I	Q		A @	1.20E-03	0	2.99
113	53 I	Q	5/2+	EC	100	0	7.190S
113	53 I	Q	5/2+	A	3.30E-07	0	2.71
114	53 I	Q	1+	EC	100	0	9.100S
114	53 I	Q	1+	EP		0	4.300S
114M	53 I	Q		-7 EC	91	0.2659	9.366S
114M	53 I	Q		-7 IT	9	0.2659	0.266
115	53 I	Q	(5/2+)	EC	100	0	5.900S
116	53 I	Q	1+	EC	100	0	7.75
117	53 I	Q	(5/2+)	EC	100	0	4.67
118	53 I	Q		-2 EC	100	0	7.03
118M	53 I	Q	(7-)	EC<	100	0.104	7.134
118M	53 I	Q	(7-)	IT>	0	0.104	0.104
119	53 I	Q	5/2+	EC	100	0	3.51
120	53 I	Q		-2 EC	100	0	5.615
120M	53 I	Q	(7-)	EC	100	0.32	5.935
121	53 I	Q	5/2+	EC	100	0	2.27
122	53 I	Q	1+	EC	100	0	4.234
123	53 I	Q	5/2+	EC	100	0	1.234
124	53 I	Q		-2 EC	100	0	3.16
125	53 I	Q	5/2+	EC	100	0	0.186
126	53 I	Q		-2 EC	52.7	0	2.155
126	53 I	Q		-2 B-	47.3	0	1.258
127	53 I	Q	5/2+			0	0
128	53 I	Q	1+	B-	93.1	0	2.119
128	53 I	Q	1+	EC	6.9	0	1.252
129	53 I	Q	7/2+	B-	100	0	0.194
F130	53 I	Q	5+	B-	100	0	2.949
130M	53 I	Q	2+	IT	84	0.04	0.04
130M	53 I	Q	2+	B-	16	0.04	2.989
F131	53 I	Q	7/2+	B-	100	0	0.971
F132	53 I	Q	4+	B-	100	0	3.577
F132M	53 I	Q	(8-)	IT	86	0.12	0.12

F132M	53 I	Q	(8-)	B-	14	0.12	3.697
F133	53 I	Q	7/2+	B-	100	0	1.77
F133M	53 I	Q	(19/2-)	IT	100	1.6342	1.634
F134	53 I	Q	(4)+	B-	100	0	4.175
F134M	53 I	Q	(8)-	IT	97.7	0.3165	0.317
F134M	53 I	Q	(8)-	B-	2.3	0.3165	4.492
F135	53 I	Q	7/2+	B-	100	0	2.648
F136	53 I	Q	(1-)	B-	100	0	6.93
F136M	53 I	Q	(6-)	B-	100	0.64	7.57
F137	53 I	Q	(7/2+)	B-	100	0	5.88
F137	53 I	Q	(7/2+)	BN	6.97	0	1.85
F138	53 I	Q	(2-)	B-	100	0	7.82
F138	53 I	Q	(2-)	BN	5.56	0	2.01
F139	53 I	Q	(7/2+)	B-	100	0	6.806
F139	53 I	Q	(7/2+)	BN	10	0	3.2
F140	53 I	Q		-3 B-	100	0	8.920S
F140	53 I	Q		-3 BN	9.3	0	3.500S
F141	53 I	Q		B-	100	0	7.600S
F141	53 I	Q		BN	21.2	0	4.200S
F142	53 I	Q		B-	100	0	9.800S
143	53 I			B-?		0	8.600S
144	53 I			B-?		0	10.600S
110	54 XE	Q	0+	A @	64	0	3.885
110	54 XE	Q	0+	EC		0	8.600S
111	54 XE	Q		A	8	0	3.72
111	54 XE	Q		EC		0	10.600S
112	54 XE	Q	0+	EC	99.16	0	7.200S
112	54 XE	Q	0+	A	0.84	0	3.33
113	54 XE	Q	(5/2+)	EC@	100	0	9.07
113	54 XE	Q	(5/2+)	EP	7	0	7.91
113	54 XE	Q	(5/2+)	A @	0.01	0	3.1
113	54 XE	Q	(5/2+)	EA@	7.00E-03	0	11.78
114	54 XE	Q	0+	EC	100	0	5.900S
115	54 XE	Q	(5/2+)	EC	100	0	8.000S
115	54 XE	Q	(5/2+)	EP	0.34	0	6.2
115	54 XE	Q	(5/2+)	A	3.00E-04	0	2.620S
116	54 XE	Q	0+	EC	100	0	4.660S
117	54 XE	Q	5/2(+)	EC	100	0	6.44
117	54 XE	Q	5/2(+)	EP	2.90E-03	0	4.02
118	54 XE	Q	0+	EC	100	0	3
119	54 XE	Q	(5/2+)	EC	100	0	5.01
120	54 XE	Q	0+	EC	100	0	1.96
121	54 XE	Q	(5/2+)	EC	100	0	3.75
122	54 XE	Q	0+	EC	100	0	0.89
123	54 XE	Q	(1/2)+	EC	100	0	2.676
124	54 XE	Q	0+	2EC		0	0
125	54 XE	Q	1/2(+)	EC	100	0	1.653
125M	54 XE	Q	9/2(-)	IT	100	0.2526	0.253
126	54 XE	Q	0+			0	0
127	54 XE	Q	1/2+	EC	100	0	0.662
127M	54 XE	Q	9/2-	IT	100	0.2971	0.297
128	54 XE	Q	0+			0	0

	129	54 XE	Q	1/2+			0	0
129M		54 XE	Q	11/2-	IT	100	0.2361	0.236
	130	54 XE	Q	0+			0	0
	131	54 XE	Q	3/2+			0	0
131M		54 XE	Q	11/2-	IT	100	0.164	0.164
	132	54 XE	Q	0+			0	0
!132M		54 XE	Q	(10+)	IT	100	2.7522	2.752
F133		54 XE	Q	3/2+	B-	100	0	0.427
F133M		54 XE	Q	11/2-	IT	100	0.2332	0.233
F134		54 XE	Q	0+	2B-#	0	0	0.83
F134M		54 XE	Q		-7 IT	100	1.9655	1.965
F135		54 XE	Q	3/2+	B-	100	0	1.151
F135M		54 XE	Q	11/2-	IT>	99.4	0.5266	0.527
F135M		54 XE	Q	11/2-	B-<	0.6	0.5266	1.678
F136		54 XE	Q	0+	2B-		0	2.468
F137		54 XE	Q	7/2-	B-	100	0	4.173
F138		54 XE	Q	0+	B-	100	0	2.77
F139		54 XE	Q	3/2-	B-	100	0	5.057
F140		54 XE	Q	0+	B-	100	0	4.06
F141		54 XE	Q	5/2(-)	B-	100	0	6.15
F141		54 XE	Q	5/2(-)	BN	0.04	0	0.66
F142		54 XE	Q	0+	B-	100	0	5.04
F142		54 XE	Q	0+	BN	0.21	0	0.93
F143		54 XE	Q	5/2-	B-	100	0	7.040S
F143		54 XE	Q	5/2-	BN	1	0	1.800S
F144		54 XE	Q	0+	B-	100	0	5.800S
F144		54 XE	Q	0+	BN	3	0	2.100S
	145	54 XE	Q	(3/2-)	B-	100	0	7.700S
	145	54 XE	Q		BN	5	0	2.800S
	146	54 XE	Q	0+	B-	100	0	6.600S
	146	54 XE	Q	0+	BN	6.9	0	3.000S
	147	54 XE	Q		B-	100	0	8.500S
	147	54 XE	Q		BN<	8	0	3.900S
	112	55 CS	Q	(0+,3+)	P	100	0	0.814
	113	55 CS	Q	(3/2+)	P	100	0	0.974
	113	55 CS	Q	(3/2+)	A		0	3.484
	114	55 CS	Q	(1+)	EC@	100	0	12.400S
	114	55 CS	Q	(1+)	EP	8.7	0	9.300S
	114	55 CS	Q	(1+)	EA	0.19	0	15.300S
	114	55 CS	Q	(1+)	A	0.02	0	3.36
	115	55 CS	Q		EC	100	0	8.800S
	115	55 CS	Q		EP@	0.07	0	5.800S
	116	55 CS	Q	(1+)	EC	100	0	10.400S
	116	55 CS	Q	(1+)	EP>	0	0	6.700S
	116	55 CS	Q	(1+)	EA>	0	0	12.3
116M		55 CS	Q	4+,5,6	EC	100	0.1	10.500S
116M		55 CS	Q	4+,5,6	EP>	0	0.1	6.800S
116M		55 CS	Q	4+,5,6	EA>	0	0.1	12.4
	117	55 CS	Q	(9/2+)	EC	100	0	7.52
117M		55 CS	Q	(3/2+)	EC	100	0.15	7.67
	118	55 CS	Q		2 EC	100	0	9.3
	118	55 CS	Q		2 EP<	0.04	0	4.73

	118	55 CS	Q		2 EA<	2.40E-03	0	11.080S
118M		55 CS	Q	6,7,8	EC	100	0	9.3
118M		55 CS	Q	6,7,8	EP<	0.04	0	4.73
118M		55 CS	Q	6,7,8	EA<	2.40E-03	0	11.080S
	119	55 CS	Q	9/2+	EC	100	0	6.35
119M		55 CS	Q	3/2(+)	EC	100	0	6.35
	120	55 CS	Q	2(+)	EC	100	0	7.94
	120	55 CS	Q	2(+)	EA	2.00E-05	0	8.99
	120	55 CS	Q	2(+)	EP	7.00E-06	0	2.49
120M		55 CS	Q	(7-)	EC	100	0	7.94
	121	55 CS	Q	3/2(+)	EC	100	0	5.4
121M		55 CS	Q	9/2(+)	EC	83	0.0685	5.469
121M		55 CS	Q	9/2(+)	IT	17	0.0685	0.068
	122	55 CS	Q	1+	EC	100	0	7.05
122M		55 CS	Q		-8 EC	100	0.123	7.173
122M		55 CS	Q	(5)-	IT	100	0.1271	0.127
	123	55 CS	Q	1/2+	EC	100	0	4.21
123M		55 CS	Q	(11/2)-	IT	100	0.1563	0.156
	124	55 CS	Q	1+	EC	100	0	5.915
124M		55 CS	Q	(7)+	IT	100	0.4625	0.463
	125	55 CS	Q	1/2(+)	EC	100	0	3.099
	126	55 CS	Q	1+	EC	100	0	4.824
	127	55 CS	Q	1/2+	EC	100	0	2.085
	128	55 CS	Q	1+	EC	100	0	3.929
	129	55 CS	Q	1/2+	EC	100	0	1.196
	130	55 CS	Q	1+	EC	98.4	0	2.979
	130	55 CS	Q	1+	B-	1.6	0	0.369
130M		55 CS	Q		-5 IT	99.84	0.1632	0.163
130M		55 CS	Q		-5 EC	0.16	0.1632	3.142
	131	55 CS	Q	5/2+	EC	100	0	0.352
	132	55 CS	Q	2+	EC	98.13	0	2.119
	132	55 CS	Q	2+	B-	1.87	0	1.28
	133	55 CS	Q	7/2+			0	0
	134	55 CS	Q	4+	B-	100	0	2.059
	134	55 CS	Q	4+	EC	3.00E-04	0	1.229
134M		55 CS	Q		-8 IT	100	0.1387	0.139
F135		55 CS	Q	7/2+	B-	100	0	0.269
F135M		55 CS	Q	19/2-	IT	100	1.6329	1.633
F136		55 CS	Q	5+	B-	100	0	2.548
F136M		55 CS	Q		-8 IT>	0	0	0
F136M		55 CS	Q		-8 B-		0	2.548
F137		55 CS	Q	7/2+	B-	100	0	1.176
F138		55 CS	Q		-3 B-	100	0	5.374
F138M		55 CS	Q		-6 IT	81	0.0799	0.08
F138M		55 CS	Q		-6 B-	19	0.0799	5.454
F139		55 CS	Q	7/2+	B-	100	0	4.213
F140		55 CS	Q		-1 B-	100	0	6.22
F141		55 CS	Q	7/2+	B-	100	0	5.251
F141		55 CS	Q	7/2+	BN	0.04	0	0.726
F142		55 CS	Q		0 B-	100	0	7.307
F142		55 CS	Q		0 BN	0.09	0	1.137
F143		55 CS	Q	3/2+	B-	100	0	6.253

F143	55 CS	Q	3/2+	BN	1.64	0	2.065
F144	55 CS	Q		1 B-	100	0	8.46
F144	55 CS	Q		1 BN	3.2	0	2.56
144M	55 CS	Q	(GE4)	B-		0	8.46
F145	55 CS	Q	3/2+	B-	100	0	7.88
F145	55 CS	Q	3/2+	BN	14.3	0	3.52
F146	55 CS	Q		-1 B-	100	0	9.37
F146	55 CS	Q		-1 BN	14.2	0	4.26
F147	55 CS	Q	(3/2+)	B-	100	0	9.2
F147	55 CS	Q	(3/2+)	BN	43	0	4.74
148	55 CS	Q		B-	100	0	10.4
148	55 CS	Q		BN	25.1	0	5.8
149	55 CS	Q		B-		0	9.600S
149	55 CS	Q		BN		0	5.900S
150	55 CS	Q		B-		0	11.500S
150	55 CS	Q		BN		0	6.400S
151	55 CS	Q		B-?		0	10.500S
151	55 CS	Q		BN?		0	7.200S
114	56 BA	Q	0+	EC@	100	0	8.900S
114	56 BA	Q	0+	EP	20	0	9.100S
114	56 BA	Q	0+	A	9.00E-05	0	3.600S
114	56 BA	Q	0+	12C @	3.00E-05	0	19.100S
115	56 BA	Q	(5/2+)	EC	100	0	11.000S
115	56 BA	Q	(5/2+)	EP>	15	0	10.900S
116	56 BA	Q	0+	EC	100	0	8.200S
116	56 BA	Q	0+	EP	3	0	6.800S
117	56 BA	Q	(3/2)	EC	100	0	9.500S
117	56 BA	Q	(3/2)	EP>	0	0	8.700S
117	56 BA	Q	(3/2)	EA>	0	0	11.700S
118	56 BA	Q	0+	EC	100	0	6.400S
119	56 BA	Q	(5/2+)	EC	100	0	8.1
119	56 BA	Q	(5/2+)	EP<	25	0	6.2
120	56 BA	Q	0+	EC	100	0	5
121	56 BA	Q	5/2(+)	EC	100	0	6.8
122	56 BA	Q	0+	EC	100	0	3.900S
123	56 BA	Q	5/2(+)	EC	100	0	5.500S
124	56 BA	Q	0+	EC	100	0	2.648
125	56 BA	Q	1/2(+)	EC	100	0	4.6
126	56 BA	Q	0+	EC	100	0	1.673
127	56 BA	Q	1/2+	EC	100	0	3.45
127M	56 BA	Q	7/2-	IT	100	0.0803	0.08
128	56 BA	Q	0+	EC	100	0	0.523
129	56 BA	Q	1/2+	EC	100	0	2.432
129M	56 BA	Q	7/2+	EC&	100	0.0084	2.44
129M	56 BA	Q	7/2+	IT		0.0084	0.008
130	56 BA	Q	0+	2EC		0	0
!130M	56 BA	Q		-8 IT	100	2.4751	2.475
131	56 BA	Q	1/2+	EC	100	0	1.37
131M	56 BA	Q	9/2-	IT	100	0.187	0.187
132	56 BA	Q	0+	2EC		0	0
133	56 BA	Q	1/2+	EC	100	0	0.517
133M	56 BA	Q	11/2-	IT	99.99	0.2882	0.288

133M	56 BA	Q	11/2-	EC	9.60E-03	0.2882	0.805
134	56 BA	Q	0+			0	0
!134M	56 BA	Q	(10+)	IT	100	2.9572	2.957
135	56 BA	Q	3/2+			0	0
135M	56 BA	Q	11/2-	IT	100	0.2682	0.268
136	56 BA	Q	0+			0	0
136M	56 BA	Q		-7 IT	100	2.0305	2.03
F137	56 BA	Q	3/2+			0	0
F137M	56 BA	Q	11/2-	IT	100	0.6617	0.662
F138	56 BA	Q	0+			0	0
F139	56 BA	Q	7/2-	B-	100	0	2.317
F140	56 BA	Q	0+	B-	100	0	1.05
F141	56 BA	Q	3/2-	B-	100	0	3.213
F142	56 BA	Q	0+	B-	100	0	2.211
F142	56 BA	Q	0+	BN	0.09	0	-2.956
F143	56 BA	Q	5/2-	B-	100	0	4.246
F144	56 BA	Q	0+	B-	100	0	3.12
F144	56 BA	Q	0+	BN	3.6	0	-1.661
F145	56 BA	Q	5/2-	B-	100	0	4.92
F146	56 BA	Q	0+	B-	100	0	4.1
F147	56 BA	Q	(3/2+)	B-	100	0	5.75
F147	56 BA	Q	(3/2+)	BN	0.06	0	-0.35
F148	56 BA	Q	0+	B-	100	0	5.12
F148	56 BA	Q	0+	BN	0.4	0	1.12
F149	56 BA	Q		B-	100	0	7.500S
F149	56 BA	Q		BN	0.43	0	1.500S
150	56 BA	Q	0+	B-	100	0	6.600S
151	56 BA	Q		B-?		0	8.500S
152	56 BA	N	0+	B-?		7.500S	
153	56 BA	N		B-?		9.500S	
117	57 LA	Q	(3/2+,3/2-	) P	93.9	0	0.500S
117	57 LA	Q	(3/2+,3/2-	) EC	6.1	0	10.400S
117M	57 LA	Q	(9/2+)	P	97.4	0.151	0.651S
117M	57 LA	Q	(9/2+)	EC	2.6	0.151	10.551S
118	57 LA	W		EC?		0	12.200S
119	57 LA	W		EC?		0	9.300S
120M	57 LA	Q		EC	100	0	11.200S
120M	57 LA	Q		EP>	0	0	7.300S
121	57 LA	Q		EC	100	0	7.900S
122	57 LA	Q		EC	100	0	9.700S
122	57 LA	Q		EP		0	5.300S
123	57 LA	Q		EC	100	0	6.900S
124M	57 LA	Q	low	EC	100	0	8.800S
124M	57 LA	Q	(7,8-)	EC	100	0	8.800S
125	57 LA	Q		EC	100	0	5.600S
125M	57 LA	Q		IT		0.107	0.107
126M	57 LA	Q	(0-,1,2-)	EC		0	7.600S
126M	57 LA	Q	(0-,1,2-)	IT		0	0
126M	57 LA	Q	(5+)	EC>	0	0	7.600S
127	57 LA	Q	(11/2-)	EC	100	0	4.690S
127M	57 LA	Q	(3/2+)	EC	100	0.0148	4.705S
127M	57 LA	Q	(3/2+)	IT		0.0148	0.015

	128	57 LA	Q	(5+)	EC	100	0	6.7
128M		57 LA	Q	(1+,2-)	EC	100	0	6.7
	129	57 LA	Q	3/2+	EC	100	0	3.72
129M		57 LA	Q	11/2-	IT	100	0.1721	0.172
	130	57 LA	Q	3(+)	EC	100	0	5.600S
	131	57 LA	Q	3/2+	EC	100	0	2.96
!131M		57 LA	Q	11/2-	IT	100	0.3045	0.305
	132	57 LA	Q		-2 EC	100	0	4.71
132M		57 LA	Q		-6 IT	76	0.1882	0.188
132M		57 LA	Q		-6 EC	24	0.1882	4.898
	133	57 LA	Q	5/2+	EC	100	0	2.23
	134	57 LA	Q	1+	EC	100	0	3.71
!134M		57 LA	Q		IT	100	0.3364	0.336
	135	57 LA	Q	5/2+	EC	100	0	1.2
	136	57 LA	Q	1+	EC	100	0	2.87
136M		57 LA	Q	(8+)	IT	100	0.23	0.23
	137	57 LA	Q	7/2+	EC	100	0	0.6
	138	57 LA	Q	5+	EC	65.6	0	1.738
	138	57 LA	Q	5+	B-	34.4	0	1.044
	139	57 LA	Q	7/2+			0	0
F140		57 LA	Q		-3 B-	100	0	3.762
F141		57 LA	Q	(7/2+)	B-	100	0	2.502
F142		57 LA	Q		-2 B-	100	0	4.504
F143		57 LA	Q	(7/2)+	B-	100	0	3.426
F144		57 LA	Q	(3-)	B-	100	0	5.54
F145		57 LA	Q	(5/2+)	B-	100	0	4.11
F146		57 LA	Q		-2 B-	100	0	6.53
F146M		57 LA	Q	(6-)	B-	100	0	6.53
F147		57 LA	Q	(5/2+)	B-	100	0	4.95
F147		57 LA	Q	(5/2+)	BN	0.04	0	0.43
F148		57 LA	Q	(2-)	B-	100	0	7.26
F148		57 LA	Q	(2-)	BN	0.15	0	0.95
F149		57 LA	Q	(3/2,5/2)	B-	100	0	5.700S
F149		57 LA	Q	(3/2,5/2)	BN	1.43	0	1.200S
F150		57 LA	Q	(3-)	B-	100	0	7.800S
F150		57 LA	Q	(3-)	BN	2.7	0	1.500S
F151		57 LA	Q		B-?		0	7.000S
	152	57 LA	Q		B-?		0	9.100S
	153	57 LA	Q				0	0
	154	57 LA	N		B-?			10.300S
	155	57 LA	N		B-?			9.400S
	119	58 CE	N		EC?			11.000S
	120	58 CE	N	0+	EC?			8.000S
	121	58 CE	Q		EC	100	0	9.900S
	121	58 CE	Q		EP@	1	0	9.100S
	122	58 CE	Q	0+	EC?		0	6.800S
	122	58 CE	Q	0+	EP?		0	5.300S
	123	58 CE	Q	(5/2)	EC	100	0	8.600S
	123	58 CE	Q	(5/2)	EP>	0	0	6.900S
	124	58 CE	Q	0+	EC	100	0	5.600S
	125	58 CE	Q	(5/2+)	EC	100	0	7.300S
	125	58 CE	Q	(5/2+)	EP		0	5.200S

	126	58 CE	Q	0+	EC	100	0	4.400S
	127	58 CE	Q	(5/2+)	EC	100	0	6.100S
	128	58 CE	Q	0+	EC	100	0	3.200S
	129	58 CE	Q	5/2+	EC>	0	0	5.050S
	130	58 CE	Q	0+	EC	100	0	2.200S
	131	58 CE	Q	(7/2+)	EC	100	0	4
131M		58 CE	Q	(1/2+)	EC	100	0	4
	132	58 CE	Q	0+	EC	100	0	1.290S
!132M		58 CE	Q	(8-)	IT	100	2.3411	2.341
	133	58 CE	Q	1/2+	EC	100	0	2.900S
133M		58 CE	Q	9/2-	EC	100	0.0371	2.937S
	134	58 CE	Q	0+	EC	100	0	0.5
	135	58 CE	Q	1/2(+)	EC	100	0	2.026
135M		58 CE	Q	(11/2-)	IT	100	0.4458	0.446
	136	58 CE	Q	0+	2EC		0	0
	137	58 CE	Q	3/2+	EC	100	0	1.222
137M		58 CE	Q	11/2-	IT	99.22	0.254	0.254
137M		58 CE	Q	11/2-	EC	0.78	0.254	1.476
	138	58 CE	Q	0+	2EC	100	0	0
!138M		58 CE	Q		-7 IT	100	2.1292	2.129
!138M		58 CE	Q	10+	IT	100	3.5391	3.539
	139	58 CE	Q	3/2+	EC	100	0	0.278
139M		58 CE	Q	11/2-	IT	100	0.7542	0.754
	140	58 CE	Q	0+			0	0
	141	58 CE	Q	7/2-	B-	100	0	0.581
F142		58 CE	Q	0+	2B-		0	1.417
F143		58 CE	Q	3/2-	B-	100	0	1.461
F144		58 CE	Q	0+	B-	100	0	0.319
F145		58 CE	Q	(3/2-)	B-	100	0	2.53
F146		58 CE	Q	0+	B-	100	0	1.03
F147		58 CE	Q	(5/2-)	B-	100	0	3.29
F148		58 CE	Q	0+	B-	100	0	2.06
F149		58 CE	Q	(3/2-)	B-	100	0	4.19
F150		58 CE	Q	0+	B-	100	0	3.01
F151		58 CE	Q		B-	100	0	5.400S
F152		58 CE	Q	0+	B-	100	0	4.500S
F153		58 CE	Q		B-?		0	0
	154	58 CE	Q	0+	B-?		0	0
	155	58 CE	Q		B-?		0	0
	156	58 CE	N	0+	B-?		6.700S	
	157	58 CE	N		B-?		8.500S	
	121	59 PR	Q	(3/2-)	P		0	0.84
	122	59 PR	W		EC?		0	12.700S
	123	59 PR	W		EC?		0	9.700S
	124	59 PR	Q		EC	100	0	11.600S
	124	59 PR	Q		EP		0	8.300S
	125	59 PR	Q		EC	100	0	8.700S
	125	59 PR	Q		EP		0	5.100S
	126	59 PR	Q	GE4	EC	100	0	10.400S
	126	59 PR	Q	GE4	EP		0	6.300S
	127	59 PR	Q		EC	100	0	7.500S
	128	59 PR	Q	4,5,6	EC	100	0	9.300S

	129	59 PR	Q	(11/2-)	EC>	0	0	6.300S
130?		59 PR	Q	(4,5)+	EC	100	0	8.100S
	131	59 PR	Q	(3/2+)	EC	100	0	5.25
131M		59 PR	Q	(11/2-)	IT	96.4	0.152	0.152
131M		59 PR	Q	(11/2-)	EC	3.6	0.152	5.402
	132	59 PR	Q	(2)+	EC	100	0	7.100S
	133	59 PR	Q	(3/2+)	EC	100	0	4.300S
134M		59 PR	Q	(6-)	EC	100	0	6.190S
134M		59 PR	Q		-2 EC	100	0	6.190S
	135	59 PR	Q	3/2(+)	EC	100	0	3.72
	136	59 PR	Q	2+	EC	100	0	5.126
	137	59 PR	Q	5/2+	EC	100	0	2.702
	138	59 PR	Q	1+	EC	100	0	4.437
138M		59 PR	Q		-7 EC	100	0.364	4.801
	139	59 PR	Q	5/2+	EC	100	0	2.129
	140	59 PR	Q	1+	EC	100	0	3.388
	141	59 PR	Q	5/2+			0	0
	142	59 PR	Q		-2 B-	99.98	0	2.162
	142	59 PR	Q		-2 EC	0.02	0	0.745
142M		59 PR	Q		-5 IT	100	0.0037	0.004
	143	59 PR	Q	7/2+	B-	100	0	0.934
	144	59 PR	Q		0 B-	100	0	2.997
144M		59 PR	Q		-3 IT	99.93	0.059	0.059
144M		59 PR	Q		-3 B-	0.07	0.059	3.056
F145		59 PR	Q	7/2+	B-	100	0	1.805
F146		59 PR	Q	(2)-	B-	100	0	4.17
F147		59 PR	Q	(3/2+)	B-	100	0	2.69
F148		59 PR	Q		-1 B-	100	0	4.93
F148M		59 PR	Q		-4 B-	100	0.09	5.02
F149		59 PR	Q	(5/2+)	B-	100	0	3.397
F150		59 PR	Q	(1)-	B-	100	0	5.69
F151		59 PR	Q	(3/2-)	B-	100	0	4.1
F152		59 PR	Q	(4-)	B-	100	0	6.400S
F153		59 PR	Q		B-	100	0	5.500S
F154		59 PR	Q	(3+,2+)	B-	100	0	7.400S
F155		59 PR	Q		B-?		0	0
	156	59 PR	Q		B-?		0	0
	157	59 PR	N		B-?			7.400S
	158	59 PR	N		B-?			9.200S
	159	59 PR	N		B-?			8.200S
	124	60 ND	W	0+	EC?			
	125	60 ND	Q	(5/2)	EC	100	0	0
	125	60 ND	Q	(5/2)	EP>	0	0	0
	126	60 ND	Q	0+	EC		0	7.200S
	126	60 ND	Q	0+	EP		0	6.200S
	127	60 ND	Q		EC	100	0	9.000S
	127	60 ND	Q		EP		0	8.000S
	128	60 ND	Q	0+	EC	100	0	6.100S
	128	60 ND	Q	0+	EP		0	4.500S
	129	60 ND	Q	(5/2+)	EC		0	7.800S
	129	60 ND	Q	(5/2+)	EP		0	6.110S
	130	60 ND	Q	0+	EC	100	0	5.000S

	131	60 ND	Q	(5/2)	EC	100	0	6.56
	131	60 ND	Q	(5/2)	EP		0	4.300S
	132	60 ND	Q	0+	EC	100	0	3.700S
	133	60 ND	Q	(7/2+)	EC	100	0	5.600S
133M		60 ND	Q	(1/2)+	EC	100	0.128	5.728S
133M		60 ND	Q	(1/2)+	IT		0.128	0.128
	134	60 ND	Q	0+	EC	100	0	2.77
!134M		60 ND	Q	(8)-	IT	100	2.293	2.293
	135	60 ND	Q	9/2(-)	EC	100	0	4.800S
135M		60 ND	Q	(1/2+)	EC>	99.97	0.065	4.865S
135M		60 ND	Q	(1/2+)	IT<	0.03	0.065	0.065
	136	60 ND	Q	0+	EC	100	0	2.21
	137	60 ND	Q	1/2+	EC	100	0	3.69
137M		60 ND	Q	11/2-	IT	100	0.5194	0.519
	138	60 ND	Q	0+	EC	100	0	1.100S
	139	60 ND	Q	3/2+	EC	100	0	2.79
139M		60 ND	Q	11/2-	EC	88.2	0.2312	3.021
139M		60 ND	Q	11/2-	IT	11.8	0.2312	0.231
	140	60 ND	Q	0+	EC	100	0	0.222
!140M		60 ND	Q		-7 IT	100	2.2214	2.221
	141	60 ND	Q	3/2+	EC	100	0	1.823
141M		60 ND	Q	11/2-	IT	100	0.7565	0.757
141M		60 ND	Q	11/2-	EC<	0.05	0.7565	2.579
	142	60 ND	Q	0+			0	0
	143	60 ND	Q	7/2-			0	0
	144	60 ND	Q	0+	A	100	0	1.905
	145	60 ND	Q	7/2-			0	0
	146	60 ND	Q	0+			0	0
	147	60 ND	Q	5/2-	B-	100	0	0.896
F148		60 ND	Q	0+			0	0
F149		60 ND	Q	5/2-	B-	100	0	1.691
F150		60 ND	Q	0+	2B-		0	3.367
F151		60 ND	Q	3/2+	B-	100	0	2.442
F152		60 ND	Q	0+	B-	100	0	1.11
F153		60 ND	Q	(3/2)-	B-	100	0	3.34
F154		60 ND	Q	0+	B-	100	0	2.74
F155		60 ND	Q		B-	100	0	4.22
F156		60 ND	Q	0+	B-	100	0	3.900S
F157		60 ND	Q		B-?		0	0
	158	60 ND	Q	0+	B-	100	0	4.800S
	159	60 ND	N		B-?			6.800S
	160	60 ND	N	0+	B-?			6.000S
	161	60 ND	N		B-?			7.900S
	126	61 PM	W		EC?			
	127	61 PM	W		EC?			
	127	61 PM	W		P ?			
	128	61 PM	Q		EC	100	0	12.000S
	128	61 PM	Q		A		0	2.500S
	128	61 PM	Q		EP		0	8.900S
	129	61 PM	N	(5/2-)	EC			9.200S
	130	61 PM	Q	(4,5,6)	EC	100	0	10.900S
	130	61 PM	Q	(4,5,6)	EP		0	7.200S

	131	61 PM	Q	(11/2)	EC			0 8.100S
	132	61 PM	Q	(3+)	EC	100		0 9.900S
	132	61 PM	Q	(3+)	EP@	5.00E-05		0 5.500S
	133	61 PM	Q	(11/2-)	EC	100		0 7.000S
	134	61 PM	Q	(2+)	EC	100		0 9.17
134M		61 PM	Q	(5+)	EC	100		0 9.17
135M		61 PM	Q	(11/2-)	EC	100		0 5.940S
135M		61 PM	Q	(3/2+,5/2+)	EC	100		0 5.940S
136M		61 PM	Q	(2+)	EC	100		0 7.85
136M		61 PM	Q	(5-)	EC	100		0 7.85
	137	61 PM	Q	11/2-	EC	100		0 5.660S
	138	61 PM	Q		EC	100		0 7
138M		61 PM	Q		EC		0.02	0
	139	61 PM	Q	(5/2)+	EC	100		0 4.5
139M		61 PM	Q	(11/2)-	IT	99.94	0.1887	0.189
139M		61 PM	Q	(11/2)-	EC	0.06	0.1887	4.689
	140	61 PM	Q	1+	EC	100		0 6.047
140M		61 PM	Q		-8 EC	100		0 6.047
	141	61 PM	Q	5/2+	EC	100		0 3.73
	142	61 PM	Q	1+	EC	100		0 4.87
!142M		61 PM	Q	(8)-	IT	100	0.8832	0.883
	143	61 PM	Q	5/2+	EC	100		0 1.041
	144	61 PM	Q		-5 EC	100		0 2.332
	145	61 PM	Q	5/2+	EC	100		0 0.163
	145	61 PM	Q	5/2+	A	3.00E-07		0 2.322
	146	61 PM	Q		-3 EC	66		0 1.472
	146	61 PM	Q		-3 B-	34		0 1.542
	147	61 PM	Q	7/2+	B-	100		0 0.224
	148	61 PM	Q		-1 B-	100		0 2.468
148M		61 PM	Q	5-,6-	B-	95.8	0.1379	2.606
148M		61 PM	Q	5-,6-	IT	4.2	0.1379	0.138
	149	61 PM	Q	7/2+	B-	100		0 1.071
	150	61 PM	Q	(1-)	B-	100		0 3.454
F151		61 PM	Q	5/2+	B-	100		0 1.187
F152		61 PM	Q	1+	B-	100		0 3.5
F152M		61 PM	Q		-4 B-	100	0.15	3.65
F152M		61 PM	Q		-8 B-&	100	0.15	3.65
F152M		61 PM	Q		-8 IT#	0	0.15	0.15
F153		61 PM	Q	5/2-	B-	100		0 1.881
F154		61 PM	Q	(3,4)	B-	100		0 4.04
F154M		61 PM	Q	(0,1)	B-	100		0 4.04
F155		61 PM	Q	5/2-	B-	100		0 3.22
156M		61 PM	Q		-4 B-	100		0 5.16
F157		61 PM	Q	(5/2-)	B-	100		0 4.500S
F158		61 PM	Q		B-	100		0 6.200S
F159		61 PM	Q		B-	100		0 5.500S
	160	61 PM			B-?			7.300S
	161	61 PM	N		B-?			6.500S
	162	61 PM	N		B-?			8.400S
	163	61 PM	N		B-?			7.600S
	128	62 SM	W	0+	EC?			
	128	62 SM	W	0+	P ?			

	129	62 SM	N	(1/2+)	EC		0	0
	129	62 SM	N	(1/2+)	EP		0	0
	130	62 SM	Q	0+	EC		0	7.600S
	131	62 SM	Q		EC	100	0	9.400S
	131	62 SM	Q		EP>	0	0	8.600S
	132	62 SM	Q	0+	EC	100	0	6.600S
	132	62 SM	Q	0+	EP		0	5.500S
	133	62 SM	Q	(5/2+)	EC	100	0	8.400S
	133	62 SM	Q	(5/2+)	EP>	0	0	7.300S
	134	62 SM	Q	0+	EC	100	0	5.200S
	135	62 SM	Q	(3/2+,5/2+)	EC	100	0	7.200S
	135	62 SM	Q	(3/2+,5/2+)	EP	0.02	0	5.500S
	136	62 SM	Q	0+	EC	100	0	4.500S
	137	62 SM	Q	(9/2-)	EC	100	0	5.900S
	138	62 SM	Q	0+	EC	100	0	3.800S
	139	62 SM	Q	1/2+	EC	100	0	5.16
139M		62 SM	Q	11/2-	IT	93.7	0.4574	0.457
139M		62 SM	Q	11/2-	EC	6.3	0.4574	5.617
	140	62 SM	Q	0+	EC	100	0	2.97
	141	62 SM	Q	1/2+	EC	100	0	4.53
141M		62 SM	Q	11/2-	EC	99.69	0.176	4.706
141M		62 SM	Q	11/2-	IT	0.31	0.176	0.176
	142	62 SM	Q	0+	EC	100	0	2.09
	143	62 SM	Q	3/2+	EC	100	0	3.443
143M		62 SM	Q	11/2-	IT	99.76	0.754	0.754
143M		62 SM	Q	11/2-	EC	0.24	0.754	4.197
!143M		62 SM	Q	23/2(-)	IT	100	2.7938	2.794
	144	62 SM	Q	0+			0	0
	145	62 SM	Q	7/2-	EC	100	0	0.616
!145M		62 SM	Q	(49/2+)	IT	100	8.7862	8.786
	146	62 SM	Q	0+	A	100	0	2.529
	147	62 SM	Q	7/2-	A	100	0	2.31
	148	62 SM	Q	0+	A	100	0	1.986
	149	62 SM	Q	7/2-			0	0
	150	62 SM	Q	0+			0	0
	151	62 SM	Q	5/2-	B-	100	0	0.077
	152	62 SM	Q	0+			0	0
	153	62 SM	Q	3/2+	B-	100	0	0.808
!153M		62 SM	Q	11/2-	IT	100	0.0984	0.098
F154		62 SM	Q	0+			0	0
F155		62 SM	Q	3/2-	B-	100	0	1.627
F156		62 SM	Q	0+	B-	100	0	0.722
F157		62 SM	Q	(3/2-)	B-	100	0	2.73
F158		62 SM	Q	0+	B-	100	0	1.999
F159		62 SM	Q	5/2-	B-	100	0	3.800S
F160		62 SM	Q	0+	B-	100	0	3.000S
	161	62 SM	Q		B-	100	0	4.800S
	162	62 SM	N	0+	B-?			3.900S
	163	62 SM	N		B-?			5.700S
	164	62 SM	N	0+	B-?			4.900S
	165	62 SM	N		B-			6.800S
	130	63 EU	Q	(1+)	P		0	0

	131	63 EU	Q	3/2+	P	87.9	0	0
	131	63 EU	Q	3/2+	EC	12.1	0	0
	132	63 EU	Q		EC		0	12.400S
	133	63 EU	N		EC?			9.500S
	134	63 EU	Q		EC	100	0	11.500S
	134	63 EU	Q		EP>	0	0	8.200S
	135	63 EU	Q		EC	100	0	8.700S
	135	63 EU	Q		EP		0	5.000S
136M		63 EU	Q	(7+)	EC	100	0	10.400S
136M		63 EU	Q	(7+)	EP	0.09	0	6.600S
136M		63 EU	Q	(3+)	EC	100	0	10.400S
136M		63 EU	Q	(3+)	EP	0.09	0	6.600S
	137	63 EU	Q	(11/2-)	EC	100	0	7.600S
	138	63 EU	Q	(6-)	EC	100	0	9.200S
	139	63 EU	Q	(11/2)-	EC	100	0	7.020S
	140	63 EU	Q	1+	EC	100	0	8.47
140M		63 EU	Q	(5-)	IT	100	0.185	0.185
140M		63 EU	Q	(5-)	EC<	1	0.185	8.655
	141	63 EU	Q	5/2+	EC	100	0	5.98
141M		63 EU	Q	11/2-	IT	87	0.0964	0.096
141M		63 EU	Q	11/2-	EC	13	0.0964	6.076
	142	63 EU	Q	1+	EC	100	0	7.64
142M		63 EU	Q		-8 EC	100	0	7.64
	143	63 EU	Q	5/2+	EC	100	0	5.275
	144	63 EU	Q	1+	EC	100	0	6.315
	145	63 EU	Q	5/2+	EC	100	0	2.66
	146	63 EU	Q		-4 EC	100	0	3.878
!146M		63 EU	Q	9+	IT	100	0.6664	0.666
	147	63 EU	Q	5/2+	EC	100	0	1.721
	147	63 EU	Q	5/2+	A	2.20E-03	0	2.99
	148	63 EU	Q		-5 EC	100	0	3.107
	148	63 EU	Q		-5 A	9.40E-07	0	2.762
	149	63 EU	Q	5/2+	EC	100	0	0.695
	150	63 EU	Q	5(-)	EC	100	0	2.261
150M		63 EU	Q		0 B-	89	0.0421	1.013
150M		63 EU	Q		0 EC	11	0.0421	2.303
150M		63 EU	Q		0 IT&	5.00E-08	0.0421	0.042
	151	63 EU	Q	5/2+			0	0
	152	63 EU	Q		-3 EC	72.1	0	1.874
	152	63 EU	Q		-3 B-	27.9	0	1.819
152M		63 EU	Q		0 B-	72	0.0456	1.865
152M		63 EU	Q		0 EC	28	0.0456	1.92
152M		63 EU	Q		-8 IT	100	0.1479	0.148
	153	63 EU	Q	5/2+			0	0
	154	63 EU	Q		-3 B-	99.98	0	1.968
	154	63 EU	Q		-3 EC	0.02	0	0.717
154M		63 EU	Q	(8-)	IT	100	0.1453	0.145
	155	63 EU	Q	5/2+	B-	100	0	0.252
	156	63 EU	Q	0+	B-	100	0	2.451
	157	63 EU	Q	5/2+	B-	100	0	1.363
F158		63 EU	Q	(1-)	B-	100	0	3.49
F159		63 EU	Q	5/2+	B-	100	0	2.514

	160	63 EU	Q		1 B-	100	0	4.580S
	161	63 EU	Q		B-	100	0	3.700S
	162	63 EU	Q		B-	100	0	5.600S
	163	63 EU	W		B-?		0	4.900S
	164	63 EU	N		B-?		6.600S	
	165	63 EU	N		B-?		5.900S	
	166	63 EU	N		B-		7.800S	
	167	63 EU	N		B-?		7.000S	
	134	64 GD	Q	0+	EC?		0	0
	135	64 GD	Q		EC	100	0	0
	135	64 GD	Q		EP@	2	0	0
	136	64 GD	Q	0+			0	0
	137	64 GD	Q	(7/2)	EC	100	0	8.800S
	137	64 GD	Q	(7/2)	EP		0	7.900S
	138	64 GD	Q	0+	EC	100	0	6.100S
	139	64 GD	Q	(9/2-)	EC>	0	0	7.700S
	139	64 GD	Q	(9/2-)	EP>	0	0	6.300S
139M		64 GD	Q		EC>	0	0	7.700S
139M		64 GD	Q		EP>	0	0	6.300S
	140	64 GD	Q	0+	EC	100	0	5.500S
	141	64 GD	Q	1/2+	EC	100	0	6.800S
	141	64 GD	Q	1/2+	EP	0.03	0	5.000S
141M		64 GD	Q	11/2-	EC	89	0.3778	7.178S
141M		64 GD	Q	11/2-	IT	11	0.3778	0.378
	142	64 GD	Q	0+	EC	100	0	4.500S
	143	64 GD	Q	(1/2)+	EC	100	0	6.01
143M		64 GD	Q	(11/2-)	EC	100	0.1526	6.163
	144	64 GD	Q	0+	EC	100	0	3.740S
	145	64 GD	Q	1/2+	EC	100	0	5.05
145M		64 GD	Q	11/2-	IT	94.3	0.7491	0.749
145M		64 GD	Q	11/2-	EC	5.7	0.7491	5.799
	146	64 GD	Q	0+	EC	100	0	1.03
	147	64 GD	Q	7/2-	EC	100	0	2.187
	148	64 GD	Q	0+	A	100	0	3.271
	149	64 GD	Q	7/2-	EC	100	0	1.314
	149	64 GD	Q	7/2-	A	4.30E-04	0	3.1
	150	64 GD	Q	0+	A	100	0	2.809
	151	64 GD	Q	7/2-	EC	100	0	0.464
	151	64 GD	Q	7/2-	A @	8.00E-07	0	2.653
	152	64 GD	Q	0+	A	100	0	2.205
	153	64 GD	Q	3/2-	EC	100	0	0.484
!153M		64 GD	Q	9/2+	IT	100	0.0952	0.095
!153M		64 GD	Q	(11/2-)	IT	100	0.1712	0.171
	154	64 GD	Q	0+			0	0
	155	64 GD	Q	3/2-			0	0
!155M		64 GD	Q	11/2-	IT	100	0.121	0.121
	156	64 GD	Q	0+			0	0
	157	64 GD	Q	3/2-			0	0
!157M		64 GD	Q	11/2-	IT	100	0.4266	0.427
	158	64 GD	Q	0+			0	0
	159	64 GD	Q	3/2-	B-	100	0	0.971
!159M		64 GD	Q	5/2+	IT	100	0.0678	0.068

	160	64 GD	Q	0+	2B-		0	1.73
	161	64 GD	Q	5/2-	B-	100	0	1.956
	162	64 GD	Q	0+	B-	100	0	1.39
	163	64 GD	Q	(5/2-,7/2+)	B-	100	0	3.100S
	164	64 GD	Q	0+	B-	100	0	2.300S
	165	64 GD	Q		B-	100	0	4.200S
	166	64 GD	N	0+	B-			3.300S
	167	64 GD	N		B-?			5.100S
	168	64 GD	N	0+	B-?			4.400S
	169	64 GD	N		B-?			6.200S
	135	65 TB	Q	(7/2-)	P	100	0	0
	136	65 TB	W		EC?			
	137	65 TB	W		P ?			
	137	65 TB	W		EC?			
138?		65 TB	Q		EC	100	0	12.000S
138?		65 TB	Q		P		0	0.400S
	139	65 TB	Q		EC		0	0
	139	65 TB	Q		EP?		0	0
	140	65 TB	Q	(7+)	EC	100	0	10.800S
	140	65 TB	Q	(7+)	EP	0.26	0	7.300S
	141	65 TB	Q	(5/2-)	EC	100	0	8.300S
141M		65 TB	Q		EC	100	0	8.300S
	142	65 TB	Q	1+	EC	100	0	9.900S
	142	65 TB	Q	1+	EP	2.20E-03	0	5.700S
142M		65 TB	Q	(5-)	IT	100	0.2802	0.28
!142M		65 TB	Q		IT	100	0.6214	0.621
	143	65 TB	Q	(11/2-)	EC	100	0	7.500S
143M		65 TB	Q		EC		0	7.500S
	144	65 TB	Q	1+	EC	100	0	9.100S
144M		65 TB	Q	(6-)	IT	66	0.3969	0.397
144M		65 TB	Q	(6-)	EC	34	0.3969	9.497S
	145	65 TB	Q	(3/2+)	EC?		0	6.700S
145M		65 TB	Q	(11/2-)	EC	100	0	6.700S
	146	65 TB	Q	1+	EC	100	0	8.27
146M		65 TB	Q		-5 EC	100	0	8.27
!146M		65 TB	Q	(10+)	IT	100	0.7796	0.78
	147	65 TB	Q	(1/2+)	EC	100	0	4.609
147M		65 TB	Q	(11/2-)	EC	100	0.0506	4.66
	148	65 TB	Q		-2 EC	100	0	5.76
148M		65 TB	Q	(9+)	EC	100	0.0901	5.85
	149	65 TB	Q	1/2+	EC	83.3	0	3.638
	149	65 TB	Q	1/2+	A	16.7	0	4.077
149M		65 TB	Q	11/2-	EC	99.98	0.0358	3.674
149M		65 TB	Q	11/2-	A	0.02	0.0358	4.113
	150	65 TB	Q	(2-)	EC	100	0	4.656
	150	65 TB	Q	(2-)	A <	0.05	0	3.587
150M		65 TB	Q	9+	EC	100	0.474	5.13
	151	65 TB	Q	1/2(+)	EC	100	0	2.565
	151	65 TB	Q	1/2(+)	A	9.50E-03	0	3.497
151M		65 TB	Q	(11/2-)	IT	93.8	0.0995	0.1
151M		65 TB	Q	(11/2-)	EC	6.2	0.0995	2.664
	152	65 TB	Q		-2 EC	100	0	3.99

	152	65 TB	Q		-2 A <	7.00E-07	0	3.09
152M		65 TB	Q	8+	IT	78.8	0.5017	0.502
152M		65 TB	Q	8+	EC	21.2	0.5017	4.492
	153	65 TB	Q	5/2+	EC	100	0	1.569
!153M		65 TB	Q	11/2-	IT	100	0.1632	0.163
	154	65 TB	Q		0 EC	100	0	3.56
	154	65 TB	Q		0 B-<	0.1	0	0.25
154M		65 TB	Q		-3 EC	78.2	0	3.56
154M		65 TB	Q		-3 IT	21.8	0	0
154M		65 TB	Q		-3 B-<	0.1	0	0.25
154M		65 TB	Q		-7 EC	98.2	0	3.56
154M		65 TB	Q		-7 IT	1.8	0	0
	155	65 TB	Q	3/2+	EC	100	0	0.821
	156	65 TB	Q		-3 EC	100	0	2.444
156M		65 TB	Q	(7-)	IT	100	0.0496	0.05
156M		65 TB	Q	(0+)	IT<	100	0.0884	0.088
156M		65 TB	Q	(0+)	EC>	0	0.0884	2.532
	157	65 TB	Q	3/2+	EC	100	0	0.06
	158	65 TB	Q		-3 EC	83.4	0	1.22
	158	65 TB	Q		-3 B-	16.6	0	0.937
158M		65 TB	Q		0 IT	100	0.1103	0.11
158M		65 TB	Q		0 B-<	0.6	0.1103	1.047
158M		65 TB	Q		0 EC<	0.01	0.1103	1.33
!158M		65 TB	Q		-7 IT	100	0.3884	0.388
	159	65 TB	Q	3/2+			0	0
	160	65 TB	Q		-3 B-	100	0	1.835
	161	65 TB	Q	3/2+	B-	100	0	0.593
	162	65 TB	Q		-1 B-	100	0	2.51
	163	65 TB	Q	3/2+	B-	100	0	1.785
	164	65 TB	Q	(5+)	B-	100	0	3.89
	165	65 TB	Q	(3/2+)	B-	100	0	2.960S
	166	65 TB	Q		B-	100	0	4.900S
	167	65 TB	Q	(3/2+)	B-	100	0	4.100S
	168	65 TB	Q	(4-)	B-	100	0	6.000S
	169	65 TB			B-?			5.500S
	170	65 TB	N		B-?			7.100S
	171	65 TB	N		B-			6.400S
	138	66 DY	W	0+	EC?			
	139	66 DY	Q	(7/2+)	EC		0	0
	139	66 DY	Q	(7/2+)	EP		0	0
	141	66 DY	Q	(9/2-)	EC	100	0	9.300S
	141	66 DY	Q	(9/2-)	EP		0	8.800S
	142	66 DY	Q	0+	EC	100	0	6.900S
	142	66 DY	Q	0+	EP	0.06	0	5.800S
	143	66 DY	Q	(1/2+)	EC	100	0	8.500S
	143	66 DY	Q	(1/2+)	EP		0	7.200S
143M		66 DY	Q	(11/2-)	EC	100	0	8.500S
143M		66 DY	Q	(11/2-)	EP		0	7.200S
	144	66 DY	Q	0+	EC	100	0	6.100S
	144	66 DY	Q	0+	EP		0	4.200S
	145	66 DY	Q	(1/2+)	EC	100	0	7.520S
145M		66 DY	Q	(11/2-)	EC	100	0	7.520S

	146	66 DY	Q	0+	EC	100	0	5.16
146M		66 DY	Q	(10+)	IT	100	2.9357	2.936
	147	66 DY	Q	1/2+	EC	100	0	6.37
	147	66 DY	Q	1/2+	EP>	0	0	4.42
147M		66 DY	Q	11/2-	EC	65	0.751	7.121
147M		66 DY	Q	11/2-	IT	35	0.751	0.751
	148	66 DY	Q	0+	EC	100	0	2.682
	149	66 DY	Q	(7/2-)	EC	100	0	3.812
149M		66 DY	Q	(27/2-)	IT	99.3	2.6611	2.661
149M		66 DY	Q	(27/2-)	EC	0.7	2.6611	6.473
	150	66 DY	Q	0+	EC	64	0	1.794
	150	66 DY	Q	0+	A	36	0	4.351
	151	66 DY	Q	7/2(-)	EC	94.4	0	2.87
	151	66 DY	Q	7/2(-)	A	5.6	0	4.18
	152	66 DY	Q	0+	EC	99.9	0	0.6
	152	66 DY	Q	0+	A	0.1	0	3.727
	153	66 DY	Q	7/2(-)	EC	99.99	0	2.17
	153	66 DY	Q	7/2(-)	A	9.40E-03	0	3.559
	154	66 DY	Q	0+	A	100	0	2.947
	155	66 DY	Q	3/2-	EC	100	0	2.095
!155M		66 DY	Q	11/2-	IT	100	0.2343	0.234
	156	66 DY	Q	0+			0	0
	157	66 DY	Q	3/2-	EC	100	0	1.341
!157M		66 DY	Q	11/2-	IT	100	0.1994	0.199
	158	66 DY	Q	0+			0	0
	159	66 DY	Q	3/2-	EC	100	0	0.366
!159M		66 DY	Q	11/2-	IT	100	0.3528	0.353
	160	66 DY	Q	0+			0	0
	161	66 DY	Q	5/2+			0	0
	162	66 DY	Q	0+			0	0
	163	66 DY	Q	5/2-	B-	100	0	-0.003
	164	66 DY	Q	0+			0	0
	165	66 DY	Q	7/2+	B-	100	0	1.286
165M		66 DY	Q	1/2-	IT	97.76	0.1082	0.108
165M		66 DY	Q	1/2-	B-	2.24	0.1082	1.394
	166	66 DY	Q	0+	B-	100	0	0.486
	167	66 DY	Q	(1/2-)	B-	100	0	2.35
	168	66 DY	Q	0+	B-	100	0	1.600S
	169	66 DY	Q	(5/2-)	B-	100	0	3.2
	170	66 DY	N	0+	B-?			2.800S
	171	66 DY	N		B-			4.700S
	172	66 DY	N	0+	B-			4.000S
	173	66 DY	N		B-?			5.700S
	140	67 HO	Q	(6-,0-,8+)	P	100	0	0
	141	67 HO	Q	7/2-	P	100	0	0
!141M		67 HO	Q	1/2+	P	100	0.066	0
	142	67 HO	N		EC			12.700S
	142	67 HO	N		EP			10.100S
	143	67 HO	Q		EC?		0	10.100S
	143	67 HO	Q		EP?		0	7.500S
	144	67 HO	Q		EC		0	11.700S
	144	67 HO	Q		EP		0	8.400S

	145	67 HO	Q		EC	100	0	9.200S
	146	67 HO	Q	(10+)	EC	100	0	10.600S
	147	67 HO	Q	(11/2-)	EC	100	0	8.300S
	148	67 HO	Q	(1+)	EC	100	0	9.400S
148M		67 HO	Q	(6)-	EC	100	0	9.400S
148M		67 HO	Q	(6)-	EP	0.08	0	5.000S
!148M		67 HO	Q	(10+)	IT	100	0.6944	0.694
	149	67 HO	Q	(11/2-)	EC	100	0	6.014
149M		67 HO	Q	(1/2+)	EC	100	0.0488	6.063
	150	67 HO	Q		-2 EC	100	0	7.240S
150M		67 HO	Q	(9)+	EC	100	0.8	8.040S
	151	67 HO	Q	(11/2-)	EC	78	0	5.124
	151	67 HO	Q	(11/2-)	A	22	0	4.695
151M		67 HO	Q	(1/2+)	A	80	0.041	4.736
151M		67 HO	Q	(1/2+)	EC	20	0.041	5.165
	152	67 HO	Q		-2 EC	88	0	6.55
	152	67 HO	Q		-2 A	12	0	4.507
152M		67 HO	Q	9+	EC	89.2	0.16	6.71
152M		67 HO	Q	9+	A	10.8	0.16	4.667
	153	67 HO	Q	11/2-	EC	99.95	0	4.13
	153	67 HO	Q	11/2-	A	0.05	0	4.052
153M		67 HO	Q	1/2+	EC	99.82	0.0687	4.199
153M		67 HO	Q	1/2+	A	0.18	0.0687	4.121
	154	67 HO	Q		-2 EC	99.98	0	5.751
	154	67 HO	Q		-2 A	0.02	0	4.042
154M		67 HO	Q	8+	EC	100	0	5.751
154M		67 HO	Q	8+	A <	1.00E-03	0	4.042
154M		67 HO	Q	8+	IT?		0	0
	155	67 HO	Q	5/2+	EC	100	0	3.102
!155M		67 HO	Q	11/2-	IT	100	0.142	0.142
	156	67 HO	Q		-4 EC	100	0	5.060S
	156M	67 HO	Q		-1 IT	100	0.0524	0.052
156M		67 HO	Q	9+	EC	75	0.0524	5.112S
156M		67 HO	Q	9+	IT	25	0.0524	0.052
	157	67 HO	Q	7/2-	EC	100	0	2.54
	158	67 HO	Q	5+	EC	100	0	4.23
158M		67 HO	Q		-2 IT>	81	0.0672	0.067
158M		67 HO	Q		-2 EC<	19	0.0672	4.297
158M		67 HO	Q	(9+)	EC#	93	0.18	4.41
158M		67 HO	Q	(9+)	IT&	7	0.18	0.18
	159	67 HO	Q	7/2-	EC	100	0	1.838
159M		67 HO	Q	1/2+	IT	100	0.2059	0.206
	160	67 HO	Q	5+	EC	100	0	3.29
160M		67 HO	Q		-2 IT	73	0.06	0.06
160M		67 HO	Q		-2 EC	27	0.06	3.35
160M		67 HO	Q	(9+)	IT	100	0.1696	0.17
	161	67 HO	Q	7/2-	EC	100	0	0.859
161M		67 HO	Q	1/2+	IT	100	0.2112	0.211
	162	67 HO	Q	1+	EC	100	0	2.14
162M		67 HO	Q		-6 IT	62	0.106	0.106
162M		67 HO	Q		-6 EC	38	0.106	2.246
	163	67 HO	Q	7/2-	EC	100	0	0.003

163M	67 HO	Q	1/2+	IT	100	0.2979	0.298
164	67 HO	Q	1+	EC	60	0	0.987
164	67 HO	Q	1+	B-	40	0	0.963
164M	67 HO	Q		-6 IT	100	0.1398	0.14
165	67 HO	Q	7/2-			0	0
166	67 HO	Q		0 B-	100	0	1.855
166M	67 HO	Q	(7)-	B-	100	0.006	1.861
167	67 HO	Q	7/2-	B-	100	0	1.007
168	67 HO	Q	3+	B-	100	0	2.91
168M	67 HO	Q	(6+)	IT#	99.5	0.059	0.059
168M	67 HO	Q	(6+)	B-&	0.5	0.059	2.969
169	67 HO	Q	7/2-	B-	100	0	2.124
170	67 HO	Q	(6+)	B-	100	0	3.87
170M	67 HO	Q	(1+)	B-	100	0.12	3.99
171	67 HO	Q	(7/2-)	B-	100	0	3.2
172	67 HO	Q		B-	100	0	5.100S
173	67 HO	N		B-?			4.600S
174	67 HO	N		B-?			6.300S
175	67 HO	N		B-?			5.700S
143	68 ER	W		EC?			
144	68 ER	Q	0+	EC	100	0	8.300S
145	68 ER	Q	(11/2-)	EC	100	0	9.900S
145	68 ER	Q	(11/2-)	EP		0	9.800S
146	68 ER	Q	0+	EC	100	0	7.500S
146	68 ER	Q	0+	EP	100	0	6.800S
147	68 ER	Q	(11/2-)	EC	100	0	8.800S
147	68 ER	Q	(11/2-)	EP>	0	0	8.200S
147M	68 ER	Q	(1/2+)	EC	100	0	8.800S
147M	68 ER	Q	(1/2+)	EP>	0	0	8.200S
148	68 ER	Q	0+	EC	100	0	6.700S
149	68 ER	Q	(1/2+)	EC	100	0	7.800S
149	68 ER	Q	(1/2+)	EP	7	0	6.700S
149M	68 ER	Q	(11/2-)	EC	96.5	0.7418	8.542S
149M	68 ER	Q	(11/2-)	IT	3.5	0.7418	0.742
149M	68 ER	Q	(11/2-)	EP	0.18	0.7418	7.442S
150	68 ER	Q	0+	EC	100	0	4.108
151	68 ER	Q	(7/2-)	EC	100	0	5.400S
151M	68 ER	Q	(27/2-)	IT	95.3	2.5855	2.586
151M	68 ER	Q	(27/2-)	EC	4.7	2.5855	7.986S
152	68 ER	Q	0+	A	90	0	4.934
152	68 ER	Q	0+	EC	10	0	3.109
153	68 ER	Q	(7/2-)	A	53	0	4.803
153	68 ER	Q	(7/2-)	EC	47	0	4.563
154	68 ER	Q	0+	EC	99.53	0	2.032
154	68 ER	Q	0+	A	0.47	0	4.28
!154M	68 ER	Q		-11 IT@	100	3.025	3.025
!154M	68 ER	Q		-11 A @	0	3.025	7.305
155	68 ER	Q	7/2-	EC	99.98	0	3.84
155	68 ER	Q	7/2-	A	0.02	0	4.12
156	68 ER	Q	0+	EC@	100	0	1.220S
156	68 ER	Q	0+	A	1.70E-05	0	3.44
157	68 ER	Q	3/2-	EC@	100	0	3.5

!157M	68 ER	Q	(9/2+)	IT	100	0.1554	0.155
158	68 ER	Q	0+	EC	100	0	0.900S
159	68 ER	Q	3/2-	EC	100	0	2.769
160	68 ER	Q	0+	EC	100	0	0.33
161	68 ER	Q	3/2-	EC	100	0	2.002
!161M	68 ER	Q	11/2-	IT	100	0.3964	0.396
162	68 ER	Q	0+			0	0
163	68 ER	Q	5/2-	EC	100	0	1.21
164	68 ER	Q	0+			0	0
165	68 ER	Q	5/2-	EC	100	0	0.376
166	68 ER	Q	0+			0	0
167	68 ER	Q	7/2+			0	0
167M	68 ER	Q	1/2-	IT	100	0.2078	0.208
168	68 ER	Q	0+			0	0
169	68 ER	Q	1/2-	B-	100	0	0.351
170	68 ER	Q	0+			0	0
171	68 ER	Q	5/2-	B-	100	0	1.49
172	68 ER	Q	0+	B-	100	0	0.891
173	68 ER	Q	(7/2-)	B-	100	0	2.610S
174	68 ER	Q	0+	B-	100	0	2.000S
175	68 ER	Q	(9/2+)	B-	100	0	3.800S
176	68 ER	N	0+	B-?			3.100S
177	68 ER	N		B-?			5.000S
145	69 TM	Q	(11/2-)	P	100	0	0
146	69 TM	Q	(5-)	P		0	1.127
146	69 TM	Q	(5-)	EC		0	13.400S
146M	69 TM	Q	(8+)	P		0.18	1.307
146M	69 TM	Q	(8+)	EC		0.18	13.580S
147	69 TM	Q	11/2-	EC	85	0	11.000S
147	69 TM	Q	11/2-	P	15	0	1.058
!147M	69 TM	Q	3/2+	P	100	0.068	1.126
148M	69 TM	Q	(10+)	EC	100	0	12.200S
149	69 TM	Q	(11/2-)	EC	100	0	9.800S
149	69 TM	Q	(11/2-)	EP	0.2	0	7.000S
150	69 TM	Q	(6-)	EC	100	0	11.100S
!150M	69 TM	Q	(10+)	IT	100	0.6716	0.672
151	69 TM	Q	(11/2-)	EC	100	0	7.400S
151M	69 TM	Q	(1/2+)	EC	100	0	7.400S
152	69 TM	Q	(2-)	EC	100	0	8.600S
152M	69 TM	Q	(9+)	EC	100	0	8.600S
!152M	69 TM	Q	(17+)	IT	100	2.5551	2.555
!152M	69 TM	Q		IT&	100	6.3	6.3
153	69 TM	Q	(11/2-)	A	91	0	5.248
153	69 TM	Q	(11/2-)	EC	9	0	6.459
153M	69 TM	Q	(1/2+)	A	92	0.0432	5.291
153M	69 TM	Q	(1/2+)	EC	8	0.0432	6.502
154	69 TM	Q	(2-)	A	54	0	5.09
154	69 TM	Q	(2-)	EC	46	0	8.050S
154M	69 TM	Q	(9+)	A	58	0	5.09
154M	69 TM	Q	(9+)	EC	42	0	8.050S
154M	69 TM	Q	(9+)	IT		0	0
155	69 TM	Q	11/2-	EC	99.11	0	5.58

	155	69 TM	Q	11/2-	A	0.89	0	4.571
155M		69 TM	Q	1/2+	EC>	98	0.041	5.621
155M		69 TM	Q	1/2+	A <	2	0.041	4.612
	156	69 TM	Q		-2 EC	99.94	0	7.44
	156	69 TM	Q		-2 A	0.06	0	4.34
	157	69 TM	Q	1/2+	EC	100	0	4.48
	158	69 TM	Q		-2 EC	100	0	6.6
158M		69 TM	Q	(5+)	IT?		0	0
	159	69 TM	Q	5/2+	EC	100	0	3.85
	160	69 TM	Q		-1 EC	100	0	5.6
160M		69 TM	Q		5 IT	85	0.07	0.07
160M		69 TM	Q		5 EC	15	0.07	5.67
	161	69 TM	Q	7/2+	EC	100	0	3.16
	162	69 TM	Q		-1 EC	100	0	4.84
162M		69 TM	Q	5+	IT	82	0	0
162M		69 TM	Q	5+	EC	18	0	4.84
	163	69 TM	Q	1/2+	EC	100	0	2.439
	164	69 TM	Q	1+	EC	100	0	3.963
	164	69 TM	Q	1+	EC	39	0	3.963
164M		69 TM	Q		-6 IT@	80	0	0
164M		69 TM	Q		-6 EC@	20	0	3.963
	165	69 TM	Q	1/2+	EC	100	0	1.592
	166	69 TM	Q	2+	EC	100	0	3.04
	167	69 TM	Q	1/2+	EC	100	0	0.748
	168	69 TM	Q	3+	EC	99.99	0	1.679
	168	69 TM	Q	3+	B-	0.01	0	0.257
	169	69 TM	Q	1/2+			0	0
	170	69 TM	Q		-1 B-	99.87	0	0.968
	170	69 TM	Q		-1 EC	0.13	0	0.314
	171	69 TM	Q	1/2+	B-	100	0	0.096
	172	69 TM	Q		-2 B-	100	0	1.88
	173	69 TM	Q	(1/2+)	B-	100	0	1.298
	174	69 TM	Q	(4)-	B-	100	0	3.08
	175	69 TM	Q	(1/2+)	B-	100	0	2.39
	176	69 TM	Q	(4+)	B-	100	0	4.12
177M		69 TM	Q	(7/2-)	B-&	100	0	3.500S
	178	69 TM	N		B-?			5.600S
	179	69 TM	N		B-?			4.800S
	148	70 YB	W	0+	EC?			0 8.600S
	149	70 YB	Q	(1/2+,3/2+)	EC	100	0	10.100S
	149	70 YB	Q	(1/2+,3/2+)	EP@	100	0	10.400S
	150	70 YB	Q	0+	EC?		0	0
	151	70 YB	Q	(1/2+)	EC	100	0	9.100S
	151	70 YB	Q	(1/2+)	EP		0	9
151M		70 YB	Q	(11/2-)	EC@	100	0	9.100S
151M		70 YB	Q	(11/2-)	EP		0	9
151M		70 YB	Q	(11/2-)	IT?		0	0.000S
	152	70 YB	Q	0+	EC	100	0	5.47
	152	70 YB	Q	0+	EP		0	4.500S
!152M		70 YB	Q	(10+)	IT	100	2.7445	2.744
	153	70 YB	Q	7/2-	A	60	0	4.100S
	153	70 YB	Q	7/2-	EC	40	0	6.700S

	154	70 YB	Q	0+	A	92.6	0	5.474
	154	70 YB	Q	0+	EC	7.4	0	4.49
	155	70 YB	Q	(7/2-)	A	89	0	5.337
	155	70 YB	Q	(7/2-)	EC	11	0	6.100S
	156	70 YB	Q	0+	EC	90	0	3.58
	156	70 YB	Q	0+	A	10	0	4.812
	157	70 YB	Q	7/2-	EC	99.5	0	5.5
	157	70 YB	Q	7/2-	A	0.5	0	4.62
	158	70 YB	Q	0+	EC	100	0	2.670S
	158	70 YB	Q	0+	A @	2.10E-03	0	4.171
	159	70 YB	Q	5/2(-)	EC	100	0	4.98
	160	70 YB	Q	0+	EC	100	0	2.300S
	161	70 YB	Q	3/2-	EC	100	0	4.150S
	162	70 YB	Q	0+	EC	100	0	1.660S
	163	70 YB	Q	3/2-	EC	100	0	3.37
	164	70 YB	Q	0+	EC	100	0	1.000S
	165	70 YB	Q	5/2-	EC	100	0	2.762
	166	70 YB	Q	0+	EC	100	0	0.304
	167	70 YB	Q	5/2-	EC	100	0	1.954
	168	70 YB	Q	0+			0	0
	169	70 YB	Q	7/2+	EC	100	0	0.909
169M		70 YB	Q	1/2-	IT	100	0.0242	0.024
	170	70 YB	Q	0+			0	0
	171	70 YB	Q	1/2-			0	0
!171M		70 YB	Q	7/2+	IT	100	0.0953	0
	172	70 YB	Q	0+			0	0
	173	70 YB	Q	5/2-			0	0
	174	70 YB	Q	0+			0	0
!174M		70 YB	Q	6+	IT	100	1.5181	1.518
	175	70 YB	Q	(7/2-)	B-	100	0	0.47
!175M		70 YB	Q	1/2-	IT	100	0.5149	0
	176	70 YB	Q	0+	2B-		0	1.087
176M		70 YB	Q	(8)-	IT#	90	1.05	1.05
176M		70 YB	Q	(8)-	B-&	10	1.05	0.944
	177	70 YB	Q	(9/2+)	B-	100	0	1.399
177M		70 YB	Q	(1/2-)	IT	100	0.3315	0.331
	178	70 YB	Q	0+	B-	100	0	0.645
	179	70 YB	Q	(1/2-)	B-	100	0	2.700S
	180	70 YB	Q	0+	B-	100	0	2.300S
	181	70 YB	W		B-?			
	150	71 LU	Q	(2+)	P	68	0	1.27
	150	71 LU	Q	(2+)	EC	32	0	13.700S
!150M		71 LU	Q	(1-,2-)	P	100	0.034	1.304
	151	71 LU	Q	11/2-	P	63.4	0	1.240S
	151	71 LU	Q	11/2-	EC	36.6	0	11.100S
!151M		71 LU	Q	3/2+	P	100	0.077	1.317S
	152	71 LU	Q	(5-,6-)	EC	100	0	12.500S
	152	71 LU	Q	(5-,6-)	EP	15	0	9.600S
	153	71 LU	Q	11/2-	A @	70	0	3.200S
	153	71 LU	Q	11/2-	EC@	30	0	8.800S
	154	71 LU	Q	(2-)	EC?		0	10.100S
154M		71 LU	Q	(9+)	EC@	100	0	10.100S

	155	71 LU	Q	11/2-	A	90	0	5.771S
	155	71 LU	Q	11/2-	EC	10	0	7.900S
155M		71 LU	Q	1/2+	A	76	0.02	5.791S
155M		71 LU	Q	1/2+	EC	24	0.02	7.920S
!155M		71 LU	Q	(25/2-)	A @	100	1.781	7.552S
	156	71 LU	Q	(2)-	A @	95	0	5.59
	156	71 LU	Q	(2)-	EC@	5	0	9.400S
156M		71 LU	Q	9+	A	100	0	5.59
	157	71 LU	Q	(1/2+,3/2+)	A >	0	0	5.096
157M		71 LU	Q	(11/2-)	EC	94	0.026	6.956
157M		71 LU	Q	(11/2-)	A	6	0.026	5.122
	158	71 LU	Q		EC	99.09	0	8.670S
	158	71 LU	Q		A	0.91	0	4.79
	159	71 LU	Q		EC	100	0	6.02
	159	71 LU	Q		A	0.1	0	4.49
	160	71 LU	Q		EC	100	0	7.880S
	160	71 LU	Q		A &	1.00E-04	0	4.110S
160M		71 LU	Q		EC&	100	0	7.880S
160M		71 LU	Q		A		0	4.110S
	161	71 LU	Q	1/2+	EC	100	0	5.3
161M		71 LU	Q	(9/2-)	IT	100	0.1356	0.136
	162	71 LU	Q	(1-)	EC&	100	0	6.96
162M		71 LU	Q	(4-)	EC&	100	0	6.96
162M		71 LU	Q		EC&	100	0	6.96
	163	71 LU	Q	1/2(+)	EC	100	0	4.6
	164	71 LU	Q		1 EC	100	0	6.24
	165	71 LU	Q	1/2+	EC	100	0	3.92
	166	71 LU	Q	(6-)	EC	100	0	5.48
166M		71 LU	Q	(3-)	EC	58	0.0344	5.514
166M		71 LU	Q	(3-)	IT	42	0.0344	0.034
166M		71 LU	Q	(0-)	EC>	80	0.0429	5.523
166M		71 LU	Q	(0-)	IT<	20	0.0429	0.043
	167	71 LU	Q	7/2+	EC	100	0	3.13
167M		71 LU	Q	1/2+	EC		0	3.13
167M		71 LU	Q	1/2+	IT		0	0
	168	71 LU	Q	(6-)	EC	100	0	4.48
168M		71 LU	Q	3+	EC>	95	0.22	4.7
168M		71 LU	Q	3+	IT<	5	0.22	0.22
	169	71 LU	Q	7/2+	EC	100	0	2.293
169M		71 LU	Q	1/2-	IT	100	0.029	0.029
	170	71 LU	Q	0+	EC	100	0	3.459
170M		71 LU	Q	(4-)	IT	100	0.0929	0.093
	171	71 LU	Q	7/2+	EC	100	0	1.479
171M		71 LU	Q	1/2-	IT	100	0.0711	0.071
	172	71 LU	Q		-4 EC	100	0	2.519
172M		71 LU	Q		-1 IT	100	0.0419	0.042
!172M		71 LU	Q	(1)+	IT	100	0.1094	0.109
	173	71 LU	Q	7/2+	EC	100	0	0.671
	174	71 LU	Q	(1)-	EC	100	0	1.374
174M		71 LU	Q	(6)-	IT	99.38	0.1708	0.171
174M		71 LU	Q	(6)-	EC	0.62	0.1708	1.545
	175	71 LU	Q	7/2+			0	0

	176	71 LU	Q		-7 B-	100	0	1.193
176M		71 LU	Q		-1 B-	99.91	0.1229	1.316
176M		71 LU	Q		-1 EC	0.1	0.1229	0.229
	177	71 LU	Q	7/2+	B-	100	0	0.498
177M		71 LU	Q	23/2-	B-	78.6	0.9702	1.468
177M		71 LU	Q	23/2-	IT	21.4	0.9702	0.97
177M		71 LU	Q	(39/2-)	B-&	100	2.7	3.198
177M		71 LU	Q	(39/2-)	IT		2.7	2.7
	178	71 LU	Q	1(+)	B-	100	0	2.099
178M		71 LU	Q	(9-)	B-	100	0.12	2.219
	179	71 LU	Q	7/2(+)	B-	100	0	1.406
!179M		71 LU	Q	1/2(+)	IT	100	0.5924	0
	180	71 LU	Q	5+	B-	100	0	3.1
!180M		71 LU	Q	(9-)	IT		0.624	0.624
	181	71 LU	Q	(7/2+)	B-	100	0	2.700S
	182	71 LU	Q	(0,1,2)	B-	100	0	4.300S
	183	71 LU	Q	(7/2+)	B-	100	0	3.800S
	184	71 LU	Q	(3+)	B-	100	0	5.300S
	153	72 HF	Q		EC?		0	0
	154	72 HF	Q	0+	EC@	100	0	6.700S
	154	72 HF	Q	0+	A @	0	0	3.400S
!154M		72 HF	Q	(10+)	IT	100	2.671	2.671
	155	72 HF	Q		EC	100	0	7.900S
	156	72 HF	Q	0+	A	100	0	6.033
!156M		72 HF	Q	8+	A	100	1.959	7.992
	157	72 HF	Q	7/2-	A	86	0	5.88
	157	72 HF	Q	7/2-	EC	14	0	7.500S
	158	72 HF	Q	0+	EC	55.7	0	5.1
	158	72 HF	Q	0+	A	44.3	0	5.403
	159	72 HF	Q	7/2-	EC	65	0	6.900S
	159	72 HF	Q	7/2-	A	35	0	5.22
	160	72 HF	Q	0+	EC	99.3	0	4.370S
	160	72 HF	Q	0+	A	0.7	0	4.903
	161	72 HF	Q		EC>	99.87	0	6.300S
	161	72 HF	Q		A <	0.13	0	4.72
	162	72 HF	Q	0+	EC	99.99	0	3.710S
	162	72 HF	Q	0+	A	8.00E-03	0	4.417
	163	72 HF	Q		EC	100	0	5.500S
	163	72 HF	Q		A <	1.00E-04	0	4.000S
	164	72 HF	Q	0+	EC	100	0	2.990S
	165	72 HF	Q	(5/2-)	EC	100	0	4.600S
	166	72 HF	Q	0+	EC	100	0	2.300S
	167	72 HF	Q	(5/2-)	EC	100	0	4.000S
	168	72 HF	Q	0+	EC	100	0	1.800S
	169	72 HF	Q	(5/2-)	EC	100	0	3.27
	170	72 HF	Q	0+	EC	100	0	1.100S
	171	72 HF	Q	7/2(+)	EC	100	0	2.400S
171M		72 HF	Q	1/2(-)	IT&	100	0.0219	0.022
171M		72 HF	Q	1/2(-)	EC		0.0219	2.422S
	172	72 HF	Q	0+	EC	100	0	0.35
	173	72 HF	Q	1/2-	EC	100	0	1.610S
	174	72 HF	Q	0+	A	100	0	2.495

	175	72 HF	Q	5/2(-)	EC	100	0	0.685
	176	72 HF	Q	0+			0	0
	177	72 HF	Q	7/2-			0	0
177M		72 HF	Q	23/2+	IT	100	1.3155	1.316
177M		72 HF	Q	37/2-	IT	100	2.74	2.74
	178	72 HF	Q	0+			0	0
178M		72 HF	Q		-8 IT	100	1.147	1.147
178M		72 HF	Q	16+	IT	100	2.446	2.446
	179	72 HF	Q	9/2+			0	0
179M		72 HF	Q	1/2-	IT	100	0.375	0.375
179M		72 HF	Q	25/2-	IT	100	1.1058	1.106
	180	72 HF	Q	0+			0	0
180M		72 HF	Q		-8 IT	99.7	1.1415	1.141
180M		72 HF	Q		-8 B-	0.3	1.1415	0.288
	181	72 HF	Q	1/2-	B-	100	0	1.027
!181M		72 HF	Q	(25/2-)	IT	100	1.7419	1.742
	182	72 HF	Q	0+	B-	100	0	0.373
182M		72 HF	Q		-8 B-	58	1.173	1.546
182M		72 HF	Q		-8 IT	42	1.173	1.173
	183	72 HF	Q	(3/2-)	B-	100	0	2.01
	184	72 HF	Q	0+	B-	100	0	1.34
184M		72 HF	Q		-8 B-	100	1.2724	1.34
	185	72 HF	Q		B-	100	0	3.000S
	186	72 HF	Q	0+	B-	100	0	2.200S
	187	72 HF	W		B-?			
	188	72 HF	Q	0+	B-		0	0
155M		73 TA	Q	11/2-	P	100	0	0
	156	73 TA	Q	(2-)	P @	100	0	1.029
	156	73 TA	Q	(2-)	EC		0	11.600S
156M		73 TA	Q	9+	EC	95.8	0.102	11.702S
156M		73 TA	Q	9+	P	4.2	0.102	1.131
	157	73 TA	Q	1/2+	A	96.6	0	6.38
	157	73 TA	Q	1/2+	P	3.4	0	1.000S
157M		73 TA	Q	11/2-	A	100	0.022	6.402
157M		73 TA	Q	(25/2-)	A	100	1.589	7.969
	158	73 TA	Q	(2-)	A @	91	0	6.21
	158	73 TA	Q	(2-)	EC@	9	0	10.900S
158M		73 TA	Q	(9+)	A	95	0.141	6.351
158M		73 TA	Q	(9+)	EC	5	0.141	11.041S
	159	73 TA	Q	(1/2-)	EC	66	0	8.300S
	159	73 TA	Q	(1/2-)	A	34	0	5.66
159M		73 TA	Q	(11/2-)	A	55	0.064	5.724
159M		73 TA	Q	(11/2-)	EC	45	0.064	8.364S
	160	73 TA	Q		EC	66	0	9.900S
	160	73 TA	Q		A	34	0	5.45
160M		73 TA	Q		A ?		0	0
	161	73 TA	Q		EC	95	0	0
	161	73 TA	Q		A ?		0	0
	162	73 TA	Q		EC	99.93	0	9.260S
	162	73 TA	Q		A	0.07	0	5.01
	163	73 TA	Q		EC@	99.8	0	6.800S
	163	73 TA	Q		A @	0.2	0	4.75

164	73 TA	Q	(3+)	EC	100	0	8.500S
165	73 TA	Q		EC	100	0	5.800S
166	73 TA	Q	(2)+	EC	100	0	7.700S
167	73 TA	Q	(3/2+)	EC	100	0	5.000S
168	73 TA	Q	(2-,3+)	EC	100	0	6.700S
169	73 TA	Q	(5/2+)	EC	100	0	4.440S
170	73 TA	Q	(3+)	EC	100	0	6.000S
171	73 TA	Q	(5/2-)	EC	100	0	3.700S
172	73 TA	Q	(3+)	EC	100	0	4.92
173	73 TA	Q	5/2-	EC	100	0	2.690S
174	73 TA	Q	3+	EC	100	0	3.85
175	73 TA	Q	7/2+	EC	100	0	2.000S
176	73 TA	Q	(1)-	EC	100	0	3.11
!176M	73 TA	Q	(+)	IT	100	0.103	0.103
!176M	73 TA	Q	(20-)	IT	100	2.7748	2.775
177	73 TA	Q	7/2+	EC	100	0	1.166
178	73 TA	Q	1+	EC	100	0	1.91
178	73 TA	Q	(7)-	EC	100	0	1.91
!178M	73 TA	Q	(15-)	IT		1.471	1.471
179	73 TA	Q	7/2+	EC	100	0	0.111
!179M	73 TA	Q	(25/2+)	IT		1.3173	0
!179M	73 TA	Q	(37/2+)	IT		2.6393	0
180	73 TA	Q	1+	EC	86	0	0.854
180	73 TA	Q	1+	B-	14	0	0.708
180M	73 TA	Q		-9 2EC?		0.0771	0
181	73 TA	Q	7/2+			0	0
182	73 TA	Q		-3 B-	100	0	1.814
182M	73 TA	Q	5+	IT	100	0.016	0.016
182M	73 TA	Q		-10 IT	100	0.52	0.52
183	73 TA	Q	7/2+	B-	100	0	1.07
184	73 TA	Q	(5-)	B-	100	0	2.87
185	73 TA	Q	(7/2+)	B-	100	0	1.992
!185M	73 TA	Q	(21/2)	IT		1.2585	0
186	73 TA	Q	(2-,3-)	B-	100	0	3.9
186M	73 TA	N		B-	100	0	3.9
187	73 TA	W		B-?		0	3.000S
188	73 TA	Q		B-		0	4.900S
189	73 TA	Q	(7/2+)	B-?		0	0
190	73 TA	W		B-?			
158	74 W	Q	0+	A	100	0	6.6
!158M	74 W	Q	(8+)	A		1.888	8.488
!158M	74 W	Q	(8+)	IT		1.888	1.888
159	74 W	Q		A @	99.9	0	6.44
159	74 W	Q		EC@	0.1	0	8.700S
160	74 W	Q	0+	A	87	0	6.072
161	74 W	Q		A	73	0	5.92
162	74 W	Q	0+	EC	54.8	0	5.77
162	74 W	Q	0+	A	45.2	0	5.674
163	74 W	Q		EC	87	0	7.700S
163	74 W	Q		A	13	0	5.52
164	74 W	Q	0+	EC	96.2	0	5.000S
164	74 W	Q	0+	A	3.8	0	5.279

	165	74 W	Q	(5/2-)	EC	100	0	7.000S
	165	74 W	Q	(5/2-)	A <	0.2	0	5.03
	166	74 W	Q	0+	EC	99.97	0	4.200S
	166	74 W	Q	0+	A	0.04	0	4.857
	167	74 W	Q	(+)	EC	99.96	0	6.200S
	167	74 W	Q	(+)	A	0.04	0	4.67
	168	74 W	Q	0+	EC@	100	0	3.800S
	168	74 W	Q	0+	A	3.20E-03	0	4.506
	169	74 W	Q	(5/2-)	EC	100	0	5.400S
	170	74 W	Q	0+	EC	100	0	3.000S
	171	74 W	Q	(5/2-)	EC	100	0	4.700S
	172	74 W	Q	0+	EC	100	0	2.500S
	173	74 W	Q	5/2-	EC	100	0	4
	174	74 W	Q	0+	EC	100	0	1.900S
	175	74 W	Q	(1/2-)	EC	100	0	2.910S
	176	74 W	Q	0+	EC	100	0	0.790S
	177	74 W	Q	1/2-	EC	100	0	2.000S
	178	74 W	Q	0+	EC	100	0	0.091
	179	74 W	Q	(7/2-)	EC	100	0	1.06
179M		74 W	Q	(1/2-)	IT	99.72	0.2219	0.222
179M		74 W	Q	(1/2-)	EC	0.28	0.2219	1.282
	180	74 W	Q	0+	A	100	0	2.516
	181	74 W	Q	9/2+	EC	100	0	0.188
	182	74 W	Q	0+	A		0	1.774
	183	74 W	Q	1/2-	A		0	1.682
183M		74 W	Q	11/2+	IT	100	0.3095	0.31
	184	74 W	Q	0+	A		0	1.659
	185	74 W	Q	3/2-	B-	100	0	0.433
185M		74 W	Q	11/2+	IT	100	0.1974	0.197
	186	74 W	Q	0+	A		0	1.123
!186M		74 W	Q	(16+)	IT		3.5428	3.543
	187	74 W	Q	3/2-	B-	100	0	1.311
	188	74 W	Q	0+	B-	100	0	0.349
	189	74 W	Q	(3/2-)	B-	100	0	2.5
	190	74 W	Q	0+	B-	100	0	1.27
!190M		74 W	Q	(10-)	IT	100	2.381	2.381
	191	74 W	W		B-?			
	192	74 W	W	0+	B-?			
	160	75 RE	Q	(2-)	P	91	0	1.29
	160	75 RE	Q	(2-)	A	9	0	6.699
	161	75 RE	Q	1/2+	P	100	0	1.400S
161M		75 RE	Q	11/2-	A	95.2	0.1238	6.564
161M		75 RE	Q	11/2-	P	4.8	0.1238	1.524S
	162	75 RE	Q	(2-)	A	94	0	6.27
	162	75 RE	Q	(2-)	EC	6	0	11.500S
162M		75 RE	Q	(9+)	A	91	0.173	6.443
162M		75 RE	Q	(9+)	EC	9	0.173	11.673S
	163	75 RE	Q	(1/2+)	EC	68	0	8.800S
	163	75 RE	Q	(1/2+)	A	32	0	6.01
163M		75 RE	Q	(11/2-)	A	66	0.115	6.125
163M		75 RE	Q	(11/2-)	EC	34	0.115	8.915S
	164	75 RE	Q		A @	58	0	5.92

	164	75 RE	Q		EC@	42	0	10.600S
	165	75 RE	Q	(1/2+)	EC		0	8.12
	165	75 RE	Q	(1/2+)	A		0	5.66
165M		75 RE	Q	(11/2-)	EC	87	0.048	8.168
165M		75 RE	Q	(11/2-)	A	13	0.048	5.708
	166	75 RE	Q		A #	8	0	5.64
	167	75 RE	Q	(9/2-)	EC@	99	0	7.400S
	167	75 RE	Q	(9/2-)	A @	1	0	5.260S
167M		75 RE	Q		A @	100	0	5.260S
	168	75 RE	Q	(5+,6+,7+)	EC@	100	0	9.100S
	168	75 RE	Q	(5+,6+,7+)	A @	5.00E-03	0	5.063
	169	75 RE	Q	(9/2-)	EC	100	0	6.600S
	169	75 RE	Q	(9/2-)	A <	0.01	0	5.040S
169M		75 RE	Q		A @	0.2	0	5.040S
	170	75 RE	Q	(5+)	EC	100	0	8.300S
	171	75 RE	Q	(9/2-)	EC	100	0	5.67
172M		75 RE	Q		-5 EC	100	0	7.300S
172M		75 RE	Q		-2 EC	100	0	7.300S
	173	75 RE	Q	(5/2-)	EC	100	0	4.900S
	174	75 RE	Q		EC	100	0	6.500S
	175	75 RE	Q	(5/2-)	EC	100	0	4.300S
	176	75 RE	Q	3+	EC	100	0	5.600S
	177	75 RE	Q	5/2-	EC	100	0	3.400S
	178	75 RE	Q	(3+)	EC	100	0	4.66
	179	75 RE	Q	(5/2+)	EC	100	0	2.71
	180	75 RE	Q	(1)-	EC	100	0	3.8
	181	75 RE	Q	5/2+	EC	100	0	1.739
	182	75 RE	Q	7+	EC	100	0	2.8
182M		75 RE	Q	2+	EC	100	0	2.8
	183	75 RE	Q	5/2+	EC	100	0	0.556
!183M		75 RE	Q	(25/2)+	IT	100	1.9076	1.908
	184	75 RE	Q	3(-)	EC	100	0	1.483
184M		75 RE	Q	8(+)	IT	75.4	0.188	0.188
184M		75 RE	Q	8(+)	EC	24.6	0.188	1.671
	185	75 RE	Q	5/2+			0	0
	186	75 RE	Q		-1 B-	92.53	0	1.069
	186	75 RE	Q		-1 EC	7.47	0	0.582
186M		75 RE	Q	(8+)	IT	100	0.149	0.149
	187	75 RE	Q	5/2+	B-	100	0	0.003
	187	75 RE	Q	5/2+	A <	1.00E-04	0	1.653
	188	75 RE	Q		-1 B-	100	0	2.12
188M		75 RE	Q	(6)-	IT	100	0.1721	0.172
	189	75 RE	Q	5/2+	B-	100	0	1.009
	190	75 RE	Q	(2)-	B-	100	0	3.14
190M		75 RE	Q	(6)-	B-	54.4	0.21	3.35
190M		75 RE	Q	(6)-	IT	45.6	0.21	0.21
	191	75 RE	Q	(3/2+,1/2+)	B-	100	0	2.045
	192	75 RE	Q		B-	100	0	4.170S
	193	75 RE	W		B-?			
	194	75 RE	Q		B-		0	4.879S
	162	76 OS	Q	0+	A	100	0	6.78
	163	76 OS	Q		A @	100	0	6.67

163	76 OS	Q		EC		0	9.400S
164	76 OS	Q	0+	A	98	0	6.478
164	76 OS	Q	0+	EC	2	0	7.09
165	76 OS	Q	(7/2-)	A >	60	0	6.32
165	76 OS	Q	(7/2-)	EC <	40	0	8.800S
166	76 OS	Q	0+	A	72	0	6.131
166	76 OS	Q	0+	EC	18	0	6.26
167	76 OS	Q		A	57	0	5.98
167	76 OS	Q		EC	43	0	8.400S
168	76 OS	Q	0+	A	40	0	5.818
168	76 OS	Q	0+	EC		0	5.800S
169	76 OS	Q		EC	88.8	0	7.680S
169	76 OS	Q		A	11.2	0	5.717
170	76 OS	Q	0+	EC	91.4	0	5.000S
170	76 OS	Q	0+	A	8.6	0	5.539
171	76 OS	Q	(5/2-)	EC	98.2	0	7.000S
171	76 OS	Q	(5/2-)	A	1.8	0	5.37
172	76 OS	Q	0+	A	1.1	0	5.227
172	76 OS	Q	0+	EC		0	4.500S
173	76 OS	Q	(5/2-)	A	0.4	0	5.06
173	76 OS	Q	(5/2-)	EC		0	6.300S
174	76 OS	Q	0+	EC	99.98	0	3.700S
174	76 OS	Q	0+	A	0.02	0	4.872
175	76 OS	Q	(5/2-)	EC	100	0	5.300S
176	76 OS	Q	0+	EC	100	0	3.100S
177	76 OS	Q	1/2-	EC	100	0	4.400S
178	76 OS	Q	0+	EC	100	0	2.3
179	76 OS	Q	(1/2-)	EC	100	0	3.700S
180	76 OS	Q	0+	EC	100	0	1.460S
181	76 OS	Q	1/2-	EC	100	0	2.99
181M	76 OS	Q	7/2-	EC@	100	0.0492	3.039
181M	76 OS	Q	7/2-	IT&	3	0.0492	0.049
182	76 OS	Q	0+	EC	100	0	0.91
183	76 OS	Q	9/2+	EC	100	0	2.130S
183M	76 OS	Q	1/2-	EC	85	0.1707	2.301S
183M	76 OS	Q	1/2-	IT	15	0.1707	0.171
184	76 OS	Q	0+	A		0	2.964
185	76 OS	Q	1/2-	EC	100	0	1.013
186	76 OS	Q	0+	A	100	0	2.822
187	76 OS	Q	1/2-			0	0
188	76 OS	Q	0+			0	0
189	76 OS	Q	3/2-			0	0
189M	76 OS	Q	9/2-	IT	100	0.0308	0.031
190	76 OS	Q	0+			0	0
190M	76 OS	Q	(10)-	IT	100	1.7054	1.705
191	76 OS	Q	9/2-	B-	100	0	0.314
191M	76 OS	Q	3/2-	IT	100	0.074	0.074
192	76 OS	Q	0+			0	0
192M	76 OS	Q	(10-)	IT >	87	2.0154	2.015
192M	76 OS	Q	(10-)	B <	13	2.0154	0.969
193	76 OS	Q	3/2-	B-	100	0	1.14
194	76 OS	Q	0+	B-	100	0	0.097

	195	76 OS	Q		B-?		0	2
	196	76 OS	Q	0+	B-	100	0	1.16
	197	76 OS	Q		B-	100	0	0
	164	77 IR	Q	(9+)	P	100	0	0
!164M		77 IR	Q		P	100	0	0
	165	77 IR	Q	(1/2+)	P ?		0	0
	165	77 IR	Q	(1/2+)	A ?		0	0
!165M		77 IR	Q	11/2-	P	87	0.23	1.930S
!165M		77 IR	Q	11/2-	A	13	0.23	7.030S
	166	77 IR	Q	(2-)	A	93.1	0	6.7
	166	77 IR	Q	(2-)	P	6.9	0	1.100S
166M		77 IR	Q	(9+)	A	98.2	0.172	6.872
166M		77 IR	Q	(9+)	P	1.8	0.172	1.272S
	167	77 IR	Q	1/2+	A	48	0	6.49
	167	77 IR	Q	1/2+	P	32	0	1.11
	167	77 IR	Q	1/2+	EC	20	0	9.300S
167M		77 IR	Q	11/2-	A	80	0.1753	6.665
167M		77 IR	Q	11/2-	EC	20	0.1753	9.475S
167M		77 IR	Q	11/2-	P	0.4	0.1753	1.285
	168	77 IR	Q		A	82	0	6.560S
	169	77 IR	Q	(1/2+)	A	50	0	6.28
	169	77 IR	Q	(1/2+)	EC		0	8.68
	169	77 IR	Q	(1/2+)	P		0	0.68
169M		77 IR	Q	(11/2-)	A	81	0.153	6.433
	170	77 IR	Q		EC	94.8	0	10.680S
	170	77 IR	Q		A	5.2	0	6.17
170M		77 IR	Q		EC&	64	0	10.680S
170M		77 IR	Q		IT&	64	0	0
170M		77 IR	Q		A	36	0	6.17
	171	77 IR	Q	(1/2+)	EC		0	8.100S
	171	77 IR	Q	(1/2+)	A >	0	0	6.159
	171	77 IR	Q	(1/2+)	P		0	0.360S
171M		77 IR	Q	(11/2-)	A	58	0	6.159
171M		77 IR	Q	(11/2-)	EC&	42	0	8.100S
171M		77 IR	Q	(11/2-)	P &	42	0	0.360S
	172	77 IR	Q	(3+)	EC	98	0	9.800S
	172	77 IR	Q	(3+)	A @	2	0	5.991
172M		77 IR	Q	(7+)	EC	77	0.139	9.939S
172M		77 IR	Q	(7+)	A	23	0.139	6.13
173M		77 IR	Q	(11/2-)	A	7	0	5.840S
173M		77 IR	Q	(11/2-)	EC		0	7.400S
173M		77 IR	Q	(3/2+,5/2 +)	EC>	93	0	7.400S
173M		77 IR	Q	(3/2+,5/2 +)	A <	7	0	5.840S
	174	77 IR	Q	(3+)	EC	99.5	0	9.000S
	174	77 IR	Q	(3+)	A	0.5	0	5.624
174M		77 IR	Q	(7+)	EC	97.5	0.193	9.193S
174M		77 IR	Q	(7+)	A	2.5	0.193	5.817
	175	77 IR	Q	(5/2-)	EC	99.15	0	6.700S
	175	77 IR	Q	(5/2-)	A	0.85	0	5.709
	176	77 IR	Q		EC	96.9	0	8.000S
	176	77 IR	Q		A	3.1	0	5.24
	177	77 IR	Q	5/2-	EC	99.94	0	5.700S

177	77 IR	Q	5/2-	A	0.06	0	5.13
178	77 IR	Q		EC	100	0	7.200S
179	77 IR	Q	(5/2)-	EC	100	0	4.800S
180	77 IR	Q	(4,5)	EC	100	0	6.430S
181	77 IR	Q	5/2-	EC	100	0	4.07
182	77 IR	Q	(5+)	EC	100	0	5.53
183	77 IR	Q	5/2-	EC	100	0	3.45
184	77 IR	Q		-5 EC	100	0	4.6
185	77 IR	Q	5/2-	EC	100	0	2.370S
186	77 IR	Q	5+	EC	100	0	3.831
186M	77 IR	Q		-2 EC@	75	0	3.831
186M	77 IR	Q		-2 IT@	25	0	0
187	77 IR	Q	3/2+	EC	100	0	1.502
!187M	77 IR	Q	9/2-	IT	100	0.1861	0.186
188	77 IR	Q		-1 EC	100	0	2.809
!188M	77 IR	Q		IT		0.9235	0
!188M	77 IR	Q		EC?		0.9235	0
189	77 IR	Q	3/2+	EC	100	0	0.532
!189M	77 IR	Q	11/2-	IT	100	0.3722	0.372
!189M	77 IR	Q	(25/2)+	IT	100	2.3332	2.333
190	77 IR	Q		-4 EC	100	0	2
190	77 IR	Q		-4 EC<	2.00E-03	0	2
190M	77 IR	Q	(1-)	IT	100	0.0261	0.026
190M	77 IR	Q	(11)-	EC	91.4	0.3764	2.376
190M	77 IR	Q	(11)-	IT	8.6	0.3764	0.376
191	77 IR	Q	3/2+			0	0
191M	77 IR	Q	11/2-	IT	100	0.171	0.171
191M	77 IR	Q		IT	100	2.047	2.047
192	77 IR	Q	4+	B-	95.13	0	1.46
192	77 IR	Q	4+	EC	4.87	0	1.046
192M	77 IR	Q		-1 IT	99.98	0.0567	0.057
192M	77 IR	Q		-1 B-	0.02	0.0567	1.517
192M	77 IR	Q	(11-)	IT	100	0.1681	0.168
193	77 IR	Q	3/2+			0	0
193M	77 IR	Q	11/2-	IT	100	0.0802	0.08
194	77 IR	Q		-1 B-	100	0	2.247
!194M	77 IR	Q	4+	IT	100	0.1471	0.147
194M	77 IR	Q	(10,11)	B-	100	0.19	2.437
195	77 IR	Q	3/2+	B-	100	0	1.12
195M	77 IR	Q	11/2-	B-	95	0.1	1.22
195M	77 IR	Q	11/2-	IT	5	0.1	0.1
196	77 IR	Q	(0-)	B-	100	0	3.21
196M	77 IR	Q	(10,11-)	B-@	100	0.41	3.62
196M	77 IR	Q	(10,11-)	IT<	0.3	0.41	0.41
197	77 IR	Q	3/2+	B-	100	0	2.155
197M	77 IR	Q	11/2-	B-	99.75	0.115	2.27
197M	77 IR	Q	11/2-	IT	0.25	0.115	0.115
198	77 IR	Q		B-	100	0	4.100S
199	77 IR	Q		B-		0	2.99
166	78 PT	Q	0+	A	100	0	0
167	78 PT	Q		A	100	0	7.159
168	78 PT	Q	0+	A &	100	0	6.991

169	78 PT	Q		A @	100	0	6.84
170	78 PT	Q	0+	A		0	6.704
171	78 PT	Q		A @	98	0	6.61
171	78 PT	Q		EC	2	0	8.800S
172	78 PT	Q	0+	A	94	0	6.465
172	78 PT	Q	0+	EC	6	0	6.300S
173	78 PT	Q		A	83	0	6.35
173	78 PT	Q		EC		0	8.190S
174	78 PT	Q	0+	A	76	0	6.184
174	78 PT	Q	0+	EC	24	0	5.600S
175	78 PT	Q	(7/2-)	A	64	0	6.178
175	78 PT	Q	(7/2-)	EC	36	0	7.400S
176	78 PT	Q	0+	EC	62	0	5.100S
176	78 PT	Q	0+	A	38	0	5.886
177	78 PT	Q	5/2-	EC	94.3	0	6.800S
177	78 PT	Q	5/2-	A	5.7	0	5.644
178	78 PT	Q	0+	EC	92.3	0	4.300S
178	78 PT	Q	0+	A	7.7	0	5.573
179	78 PT	Q	1/2-	EC	99.76	0	5.900S
179	78 PT	Q	1/2-	A	0.24	0	5.395
180	78 PT	Q	0+	EC	100	0	3.690S
180	78 PT	Q	0+	A @	0.3	0	5.275
181	78 PT	Q	1/2-	EC	100	0	5.200S
181	78 PT	Q	1/2-	A @	0.08	0	5.15
182	78 PT	Q	0+	EC	99.96	0	2.92
182	78 PT	Q	0+	A	0.04	0	4.952
183	78 PT	Q	1/2-	EC	100	0	4.600S
183	78 PT	Q	1/2-	A @	1.30E-03	0	4.82
183M	78 PT	Q	(7/2)-	EC@	100	0.0345	4.635S
183M	78 PT	Q	(7/2)-	A <	4.00E-04	0.0345	4.855
183M	78 PT	Q	(7/2)-	IT		0.0345	0.034
184	78 PT	Q	0+	EC	100	0	2.300S
184	78 PT	Q	0+	A @	0.001	0	4.602
!184M	78 PT	Q		-8 IT	100	1.839	1.839
185	78 PT	Q	9/2+	EC	100	0	3.900S
185M	78 PT	Q	1/2-	EC	99	0.1034	4.003S
185M	78 PT	Q	1/2-	IT<	2	0.1034	0.103
186	78 PT	Q	0+	EC	100	0	1.38
186	78 PT	Q	0+	A @	1.40E-04	0	4.325
187	78 PT	Q	3/2-	EC	100	0	2.980S
188	78 PT	Q	0+	EC	100	0	0.506
188	78 PT	Q	0+	A	2.60E-05	0	4.007
189	78 PT	Q	3/2-	EC	100	0	1.971
190	78 PT	Q	0+	A	100	0	3.249
191	78 PT	Q	3/2-	EC	100	0	1.019
192	78 PT	Q	0+			0	0
193	78 PT	Q	1/2-	EC	100	0	0.057
193M	78 PT	Q	13/2+	IT	100	0.1498	0.15
194	78 PT	Q	0+			0	0
195	78 PT	Q	1/2-			0	0
195M	78 PT	Q	13/2+	IT	100	0.2593	0.259
196	78 PT	Q	0+			0	0

	197	78 PT	Q	1/2-	B-	100	0	0.719
197M		78 PT	Q	13/2+	IT	96.7	0.3996	0.4
197M		78 PT	Q	13/2+	B-	3.3	0.3996	1.119
	198	78 PT	Q	0+			0	0
	199	78 PT	Q	5/2-	B-	100	0	1.703
199M		78 PT	Q	(13/2)+	IT	100	0.424	0.424
	200	78 PT	Q	0+	B-	100	0	0.66
	201	78 PT	Q	(5/2-)	B-	100	0	2.66
	202	78 PT	Q	0+	B-	100	0	1.800S
	169	79 AU	W		A ?			
	169	79 AU	W		P ?			
	170	79 AU	Q	(2-)	P	89	0	0
	170	79 AU	Q	(2-)	A	11	0	0
!170M		79 AU	Q	(9+)	P	58	0	0
!170M		79 AU	Q	(9+)	A	42	0	0
	171	79 AU	Q	(1/2+)	P @	100	0	1.510S
171M		79 AU	Q	(11/2-)	A	66	0.25	7.360S
171M		79 AU	Q	(11/2-)	P	36	0.25	1.760S
	172	79 AU	Q		A &	100	0	7.02
	172	79 AU	Q		P <	2	0	1.000S
	173	79 AU	Q	(1/2+)	A	94	0	6.9
	173	79 AU	Q	(1/2+)	EC		0	9.22
	173	79 AU	Q	(1/2+)	P		0	1.11
173M		79 AU	Q	(11/2-)	A	92	0.214	7.114
173M		79 AU	Q	(11/2-)	EC		0.214	9.434
173M		79 AU	Q	(11/2-)	P		0.214	1.324
	174	79 AU	Q		A >	0	0	6.782
	175	79 AU	Q	(1/2+)	A ?		0	0
	175	79 AU	Q	(1/2+)	EC?		0	0
175M		79 AU	Q	(11/2-)	A	94	0	6.680S
175M		79 AU	Q	(11/2-)	EC	6	0	8.600S
	176	79 AU	Q		A		0	6.542
	176	79 AU	Q		EC		0	10.500S
	177	79 AU	Q	(1/2+,3/2+)	A &	100	0	6.431
	177	79 AU	Q	(1/2+,3/2+)	EC		0	8.200S
177M		79 AU	Q	11/2-	A &	100	0.1579	6.589
177M		79 AU	Q	11/2-	EC		0.1579	8.358S
	178	79 AU	Q		EC&	60	0	9.600S
	178	79 AU	Q		A #	40	0	6.12
	179	79 AU	Q		EC	78	0	7.400S
	179	79 AU	Q		A	22	0	6.082
	180	79 AU	Q		EC&	98.2	0	8.600S
	180	79 AU	Q		A #	1.8	0	5.851
	181	79 AU	Q	(3/2-)	EC	97.3	0	6.300S
	181	79 AU	Q	(3/2-)	A	2.7	0	5.752
	182	79 AU	Q		EC	99.87	0	7.800S
	182	79 AU	Q		A	0.13	0	5.527
	183	79 AU	Q	(5/2-)	EC	99.45	0	5.500S
	183	79 AU	Q	(5/2-)	A	0.55	0	5.466
	184	79 AU	Q	5+	A &	0.02	0	5.232
	184	79 AU	Q	5+	EC		0	7.060S
184M		79 AU	Q	2+	EC	70	0.0685	7.128S

184M	79 AU	Q	2+	IT	30	0.0685	0.068
184M	79 AU	Q	2+	A &	0.02	0.0685	5.3
185	79 AU	Q	5/2-	EC	99.74	0	4.71
185	79 AU	Q	5/2-	A	0.26	0	5.181
185M	79 AU	Q		EC<	100	0	4.71
185M	79 AU	Q		IT		0	0
186	79 AU	Q		-3 EC	100	0	6.12
186	79 AU	Q		-3 A	8.00E-04	0	4.906
187	79 AU	Q	1/2+	EC	100	0	3.730S
187	79 AU	Q	1/2+	A	3.00E-03	0	4.79
187M	79 AU	Q	9/2-	IT	100	0.121	0.121
188	79 AU	Q	1(-)	EC	100	0	5.300S
189	79 AU	Q	1/2+	EC	100	0	2.850S
189	79 AU	Q	1/2+	A <	3.00E-05	0	4.400S
189M	79 AU	Q	11/2-	EC	100	0.2472	3.097S
190	79 AU	Q		-1 EC	100	0	4.442
190	79 AU	Q		-1 A <	1.00E-06	0	3.86
190M	79 AU	Q	(11-)	IT@	100	0	0
191	79 AU	Q	3/2+	EC	100	0	1.83
191M	79 AU	Q	(11/2-)	IT	100	0.266	0.266
192	79 AU	Q		-1 EC	100	0	3.516
!192M	79 AU	Q	(5)+	IT	100	0.1354	0.135
192M	79 AU	Q	(11-)	IT	100	0.4316	0.432
193	79 AU	Q	3/2+	EC	100	0	1.069
193M	79 AU	Q	11/2-	IT	99.97	0.2902	0.29
193M	79 AU	Q	11/2-	EC@	0.03	0.2902	1.359
194	79 AU	Q		-1 EC	100	0	2.492
194M	79 AU	Q	(5+)	IT	100	0.1074	0.107
194M	79 AU	Q	(11-)	IT	100	0.4758	0.476
195	79 AU	Q	3/2+	EC	100	0	0.227
195M	79 AU	Q	11/2-	IT	100	0.3186	0.319
196	79 AU	Q		-2 EC	92.8	0	1.506
196	79 AU	Q		-2 B-	7.2	0	0.686
196M	79 AU	Q	5+	IT	100	0.0847	0.085
196M	79 AU	Q		-12 IT	100	0.5957	0.596
197	79 AU	Q	3/2+			0	0
197M	79 AU	Q	11/2-	IT	100	0.4092	0.409
198	79 AU	Q		-2 B-	100	0	1.372
198M	79 AU	Q	(12-)	IT	100	0.8117	0.812
199	79 AU	Q	3/2+	B-	100	0	0.452
!199M	79 AU	Q	(11/2)-	IT	100	0.549	0.549
200	79 AU	Q	1(-)	B-	100	0	2.24
200M	79 AU	Q		-12 B-	82	0.962	3.202
200M	79 AU	Q		-12 IT	18	0.962	0.962
201	79 AU	Q	3/2+	B-	100	0	1.263
202	79 AU	Q	(1-)	B-	100	0	2.95
203	79 AU	Q	(3/2+)	B-	100	0	2.124
204	79 AU	Q	(2-)	B-	100	0	3.940S
205	79 AU	Q	(3/2+)	B-	100	0	3.300S
171	80 HG	Q		A @	100	0	7.667
172	80 HG	Q	0+	A			0
173	80 HG	Q		A @	100	0	7.382

174	80 HG	Q	0+	A	99.6	0	7.235
175	80 HG	Q	(7/2-,9/2-	) A	100	0	7.04
176	80 HG	Q	0+	A @	100	0	6.925
177	80 HG	Q	(13/2+)	A	85	0	6.74
177	80 HG	Q	(13/2+)	EC	15	0	8.500S
178	80 HG	Q	0+	A @	70	0	6.578
178	80 HG	Q	0+	EC@	30	0	6.100S
179	80 HG	Q		A @	53	0	6.431
179	80 HG	Q		EC@	47	0	7.800S
179	80 HG	Q		EP@	0.15	0	7.700S
180	80 HG	Q	0+	EC	52	0	5.500S
180	80 HG	Q	0+	A	48	0	6.258
181	80 HG	Q	1/2-	EC	73	0	7.300S
181	80 HG	Q	1/2-	A	27	0	6.287
181	80 HG	Q	1/2-	EP	0.01	0	6.300S
181	80 HG	Q	1/2-	EA	9.00E-06	0	13.100S
182	80 HG	Q	0+	EC	84.8	0	4.800S
182	80 HG	Q	0+	A	15.2	0	5.997
183	80 HG	Q	1/2-	EC	88.3	0	6.500S
183	80 HG	Q	1/2-	A	11.7	0	6.039
183	80 HG	Q	1/2-	EP	2.60E-04	0	5.100S
184	80 HG	Q	0+	EC	98.89	0	4.120S
184	80 HG	Q	0+	A	1.11	0	5.662
185	80 HG	Q	1/2-	EC	94	0	5.800S
185	80 HG	Q	1/2-	A	6	0	5.778
185M	80 HG	Q	13/2+	IT	54	0.0993	0.099
185M	80 HG	Q	13/2+	EC	46	0.0993	5.899S
185M	80 HG	Q	13/2+	A @	0.03	0.0993	5.877
186	80 HG	Q	0+	EC	99.98	0	3.23
186	80 HG	Q	0+	A	0.02	0	5.206
187	80 HG	Q	13/2+	EC	100	0	4.900S
187	80 HG	Q	13/2+	A >	1.20E-04	0	5.080S
187M	80 HG	Q	3/2-	EC	100	0	4.900S
187M	80 HG	Q	3/2-	A >	2.50E-04	0	5.080S
188	80 HG	Q	0+	EC	100	0	2.300S
188	80 HG	Q	0+	A	3.70E-05	0	4.71
189	80 HG	Q	3/2-	EC	100	0	3.950S
189	80 HG	Q	3/2-	A <	3.00E-05	0	4.400S
189M	80 HG	Q	13/2+	EC	100	0	3.950S
189M	80 HG	Q	13/2+	A <	3.00E-05	0	4.400S
190	80 HG	Q	0+	EC	100	0	1.470S
190	80 HG	Q	0+	A <	3.40E-07	0	3.950S
191	80 HG	Q	(3/2-)	EC	100	0	3.18
191M	80 HG	Q	13/2+	EC	100	0	3.18
192	80 HG	Q	0+	EC	100	0	0.700S
193	80 HG	Q	3/2-	EC	100	0	2.34
193M	80 HG	Q	13/2+	EC	92.8	0.1408	2.481
193M	80 HG	Q	13/2+	IT	7.2	0.1408	0.141
194	80 HG	Q	0+	EC	100	0	0.04
195	80 HG	Q	1/2-	EC	100	0	1.51
195M	80 HG	Q	13/2+	IT	54.2	0.1761	0.176
195M	80 HG	Q	13/2+	EC	45.8	0.1761	1.686

	196	80 HG	Q	0+			0	0
	197	80 HG	Q	1/2-	EC	100	0	0.6
197M		80 HG	Q	13/2+	IT	91.4	0.2989	0.299
197M		80 HG	Q	13/2+	EC	8.6	0.2989	0.899
	198	80 HG	Q	0+			0	0
	199	80 HG	Q	1/2-			0	0
199M		80 HG	Q	13/2+	IT	100	0.532	0.532
	200	80 HG	Q	0+			0	0
	201	80 HG	Q	3/2-			0	0
	202	80 HG	Q	0+			0	0
	203	80 HG	Q	5/2-	B-	100	0	0.492
	204	80 HG	Q	0+			0	0
	205	80 HG	Q	1/2-	B-	100	0	1.531
!205M		80 HG	Q	13/2+	IT	100	1.5564	1.556
	206	80 HG	Q	0+	B-	100	0	1.307
	207	80 HG	Q	(9/2+)	B-	100	0	4.82
	208	80 HG	Q	0+	B-	100	0	3.700S
	209	80 HG	W		B-	100		
	210	80 HG	W	0+	B-?			
	176	81 TL	Q	(3-,4-,5-)	P @	100	0.807	0
	177	81 TL	Q	(1/2+)	A	73	0	7.340S
	177	81 TL	Q	(1/2+)	P	27	0	1.530S
!177M		81 TL	Q	(11/2-)	P	55	0.807	2.337S
!177M		81 TL	Q	(11/2-)	A	45	0.807	8.147S
	178	81 TL	W		A ?		0	7.180S
	178	81 TL	W		EC?		0	11.880S
	179	81 TL	Q	(1/2+)	A <	100	0	6.810S
	179	81 TL	Q	(1/2+)	EC		0	9.000S
179M		81 TL	Q	(11/2-)	A &	100	0	6.810S
179M		81 TL	Q	(11/2-)	IT		0	0
179M		81 TL	Q	(11/2-)	EC		0	9.000S
	180	81 TL	Q		A	7	0	6.820S
	180	81 TL	Q		EF@	1.00E-04	0	0
	180	81 TL	Q		EC		0	11.100S
	181	81 TL	Q	1/2+	EC		0	6.600S
	181	81 TL	Q	1/2+	A &	10	0	6.600S
181M		81 TL	Q	9/2-	A		0.85	0
	182	81 TL	Q	(7+)	EC>	96	0	10.100S
	182	81 TL	Q	(7+)	A <	4	0	6.55
	183	81 TL	Q	(1/2+)	EC>	0	0	7.600S
	183	81 TL	Q	(1/2+)	A		0	6.220S
183M		81 TL	Q	(9/2-)	A	2	0.63	6.850S
183M		81 TL	Q	(9/2-)	EC		0.63	8.230S
183M		81 TL	Q	(9/2-)	IT		0.63	0.63
	184	81 TL	Q	(2+)	EC	97.9	0	9.200S
	184	81 TL	Q	(2+)	A	2.1	0	6.3
	185	81 TL	Q	(1/2+)	EC		0	6.600S
185M		81 TL	Q	(9/2-)	IT		0.4548	0.455
185M		81 TL	Q	(9/2-)	A		0.4548	6.555S
186M		81 TL	Q	(7+)	EC	100	0	8.500S
186M		81 TL	Q	(7+)	A @	6.00E-03	0	5.89
186M		81 TL	Q	(10-)	IT	100	0.374	0.374

187	81 TL	Q	(1/2+)	EC<	100	0	5.900S
187	81 TL	Q	(1/2+)	A >	0	0	5.539
187M	81 TL	Q	(9/2-)	EC<	99.9	0.335	6.235S
187M	81 TL	Q	(9/2-)	IT<	99.9	0.335	0.335
187M	81 TL	Q	(9/2-)	A	0.15	0.335	5.874
188M	81 TL	Q	(2-)	EC	100	0	7.800S
188M	81 TL	Q	(7+)	EC	100	0	7.800S
!188M	81 TL	Q	(9-)	IT@	100	0.2688	0.269
!188M	81 TL	Q	(9-)	EC		0.2688	8.069S
189	81 TL	Q	(1/2+)	EC	100	0	5.18
189M	81 TL	Q	(9/2-)	EC<	100	0.2576	5.438
189M	81 TL	Q	(9/2-)	IT<	4	0.2576	0.258
190M	81 TL	Q	2(-)	EC	100	0	7
190M	81 TL	Q	7(+)	EC	100	0	7
!190M	81 TL	Q	(8-)	IT	100	0.1619	0.162
191	81 TL	Q	(1/2+)	EC?		0	4.490S
191M	81 TL	Q	9/2(-)	EC	100	0.299	4.789S
192	81 TL	Q	(2-)	EC	100	0	6.120S
192M	81 TL	Q	(7+)	EC	100	0.156	6.276S
193	81 TL	Q	1/2+	EC	100	0	3.640S
193M	81 TL	Q	9/2-	IT&	75	0.3652	0.365
193M	81 TL	Q	9/2-	EC&	25	0.3652	4.005S
194	81 TL	Q		-2 EC	100	0	5.280S
194	81 TL	Q		-2 A <	1.00E-07	0	3.490S
194M	81 TL	Q	(7+)	EC	100	0	5.280S
195	81 TL	Q	1/2+	EC	100	0	2.810S
195M	81 TL	Q	9/2-	IT	100	0.4826	0.483
196	81 TL	Q		-2 EC	100	0	4.380S
196M	81 TL	Q	(7+)	EC	95.5	0.3942	4.774S
196M	81 TL	Q	(7+)	IT	4.5	0.3942	0.394
197	81 TL	Q	1/2+	EC	100	0	2.18
197M	81 TL	Q	9/2-	IT	100	0.6082	0.608
198	81 TL	Q		-2 EC	100	0	3.46
198M	81 TL	Q	7+	EC	54	0.5435	4.003
198M	81 TL	Q	7+	IT	46	0.5435	0.544
!198M	81 TL	Q	(10-)	IT	100	0.7423	0.742
199	81 TL	Q	1/2+	EC	100	0	1.45
!199M	81 TL	Q	9/2-	IT	100	0.75	0.75
200	81 TL	Q		-2 EC	100	0	2.456
!200M	81 TL	Q	7+	IT	100	0.7536	0.754
201	81 TL	Q	1/2+	EC	100	0	0.483
!201M	81 TL	Q	(9/2-)	IT	100	0.9195	0.919
202	81 TL	Q		-2 EC	100	0	1.365
203	81 TL	Q	1/2+			0	0
204	81 TL	Q		-2 B-	97.1	0	0.764
204	81 TL	Q		-2 EC	2.9	0	0.347
205	81 TL	Q	1/2+			0	0
206	81 TL	Q		0 B-	100	0	1.533
206M	81 TL	Q	(12-)	IT	100	2.6431	2.643
207	81 TL	Q	1/2+	B-	100	0	1.423
207M	81 TL	Q	11/2-	IT	100	1.348	1.348
208	81 TL	Q	5(+)	B-	100	0	5.001

	209	81 TL	Q	(1/2+)	B-	100	0	3.982
	210	81 TL	Q	(5+)	B-	100	0	5.489
	210	81 TL	Q	(5+)	BN	7.00E-03	0	0.304
	211	81 TL	W		B-?			
	212	81 TL	W		B-?			
	178	82 PB	W	0+	A			
	178	82 PB	W	0+	EC?			
	179	82 PB	W		A ?			
	180	82 PB	Q	0+	A &	100	0	0
181M		82 PB	Q	(13/2+)	A <	100	0	7.240S
	182	82 PB	Q	0+	A &	100	0	7.076
	183	82 PB	Q	(3/2-)	A @	90	0	7.03
183M		82 PB	Q	(13/2+)	A @	100	0.097	7.127
	184	82 PB	Q	0+	EC	77	0	6.000S
	184	82 PB	Q	0+	A	23	0	6.775
185M		82 PB	Q	13/2+	A @	50	0	0
185M		82 PB	Q	13/2+	EC?		0	0
185M		82 PB	Q	3/2-	A @	50	0	0
185M		82 PB	Q	3/2-	EC?		0	0
	186	82 PB	Q	0+	EC	60	0	5.400S
	186	82 PB	Q	0+	A	40	0	6.471
	187	82 PB	Q	(3/2-)	EC	93	0	7.300S
	187	82 PB	Q	(3/2-)	A	7	0	6.395
187M		82 PB	Q	(13/2+)	EC	88	0.081	7.381S
187M		82 PB	Q	(13/2+)	A	12	0.081	6.476
	188	82 PB	Q	0+	EC	90.7	0	4.800S
	188	82 PB	Q	0+	A	9.3	0	6.111
	189	82 PB	Q	(3/2-)	EC>	99	0	6.700S
	189	82 PB	Q	(3/2-)	A @	0.4	0	5.860S
	190	82 PB	Q	0+	EC	99.6	0	4.100S
	190	82 PB	Q	0+	A	0.4	0	5.698
	191	82 PB	Q	(3/2-)	EC	99.99	0	5.900S
	191	82 PB	Q	(3/2-)	A	0.01	0	5.410S
191M		82 PB	Q	(13/2+)	EC	100	0.138	6.038S
191M		82 PB	Q	(13/2+)	A @	0.02	0.138	5.548S
	192	82 PB	Q	0+	EC	99.99	0	3.400S
	192	82 PB	Q	0+	A	5.90E-03	0	5.221
	193	82 PB	Q	(3/2-)	EC		0	5.200S
193M		82 PB	Q	(13/2+)	EC	100	0	5.200S
	194	82 PB	Q	0+	EC	100	0	2.700S
	194	82 PB	Q	0+	A	7.30E-06	0	4.738
	195	82 PB	Q	3/2-	EC	100	0	4.500S
195M		82 PB	Q	13/2+	EC	100	0.2029	4.703S
	196	82 PB	Q	0+	EC@	100	0	2.050S
	196	82 PB	Q	0+	A &	3.00E-05	0	4.200S
	197	82 PB	Q	3/2-	EC	100	0	3.580S
197M		82 PB	Q	13/2+	EC	81	0.3193	3.899S
197M		82 PB	Q	13/2+	IT	19	0.3193	0.319
	198	82 PB	Q	0+	EC	100	0	1.410S
	199	82 PB	Q	3/2-	EC	100	0	2.88
199M		82 PB	Q	(13/2+)	IT<	100	0.4248	0.425
199M		82 PB	Q	(13/2+)	EC>	0	0.4248	3.305

	200	82 PB	Q	0+	EC	100	0	0.811
	201	82 PB	Q	5/2-	EC	100	0	1.9
201M		82 PB	Q	13/2+	IT>	99	0.6291	0.629
201M		82 PB	Q	13/2+	EC<	1	0.6291	2.529
	202	82 PB	Q	0+	EC	100	0	0.05
	202	82 PB	Q	0+	A <	1	0	2.598
202M		82 PB	Q		-9 IT	90.5	2.1698	2.17
202M		82 PB	Q		-9 EC	9.5	2.1698	2.22
	203	82 PB	Q	5/2-	EC	100	0	0.975
203M		82 PB	Q	13/2+	IT	100	0.8252	0.825
203M		82 PB	Q	29/2-	IT	100	2.9492	2.949
	204	82 PB	Q	0+	A ?		0	1.972
204M		82 PB	Q		-9 IT	100	2.186	2.186
	205	82 PB	Q	5/2-	EC	100	0	0.051
!205M		82 PB	Q	13/2+	IT	100	1.0138	1.014
	206	82 PB	Q	0+			0	0
	207	82 PB	Q	1/2-			0	0
207M		82 PB	Q	13/2+	IT	100	1.6334	1.633
	208	82 PB	Q	0+			0	0
	209	82 PB	Q	9/2+	B-	100	0	0.644
	210	82 PB	Q	0+	B-	100	0	0.064
	210	82 PB	Q	0+	A	1.90E-06	0	3.792
	211	82 PB	Q	9/2+	B-	100	0	1.372
	212	82 PB	Q	0+	B-	100	0	0.574
	213	82 PB	Q	(9/2+)	B-	100	0	1.980S
	214	82 PB	Q	0+	B-	100	0	1.024
	215	82 PB	W		B-	100		
184M		83 BI	Q		A @	100	0	8.025
184M		83 BI	Q		A @	100	0	8.025
	185	83 BI	Q	1/2+	P	90	0	1.570S
	185	83 BI	Q	1/2+	A	10	0	7.600S
	186	83 BI	Q	(3+)	A @	100	0	7.700S
186M		83 BI	Q	(10-)	A @	100	0	7.700S
	187	83 BI	Q	(9/2-)	A	100	0	7.600S
!187M		83 BI	Q	(1/2+)	A	100	0.111	7.711S
188M		83 BI	Q	(3+)	A	100	0	7.27
188M		83 BI	Q	(3+)	EC?		0	10.400S
188M		83 BI	Q	(10-)	A	100	0	7.27
188M		83 BI	Q	(10-)	EC?		0	10.400S
	189	83 BI	Q	(9/2-)	A >	50	0	7.267
	189	83 BI	Q	(9/2-)	EC<	50	0	8.000S
189M		83 BI	Q	(1/2+)	A >	50	0.185	7.452
189M		83 BI	Q	(1/2+)	EC<	50	0.185	8.185S
190M		83 BI	Q	(10-)	A	70	0	6.862
190M		83 BI	Q	(10-)	EC	30	0	9.600S
190M		83 BI	Q	(3+)	A	90	0	6.862
190M		83 BI	Q	(3+)	EC	10	0	9.600S
	191	83 BI	Q	(9/2-)	A	51	0	6.781
	191	83 BI	Q	(9/2-)	EC	49	0	7.300S
191M		83 BI	Q	(1/2+)	A	68	0.24	7.021
191M		83 BI	Q	(1/2+)	EC	32	0.24	7.540S
	192	83 BI	Q	(3+)	EC	88	0	8.900S

	192	83 BI	Q	(3+)	A	12	0	6.376
192M		83 BI	Q	(10-)	EC	90	0	8.900S
192M		83 BI	Q	(10-)	A	10	0	6.376
	193	83 BI	Q	(9/2-)	EC	96.2	0	6.500S
	193	83 BI	Q	(9/2-)	A	3.8	0	6.305
193M		83 BI	Q	(1/2+)	A	84	0.307	6.612
193M		83 BI	Q	(1/2+)	EC	16	0.307	6.807S
	194	83 BI	Q	(3+)	EC	99.54	0	8.2
	194	83 BI	Q	(3+)	A	0.46	0	5.918
194M		83 BI	Q	(10-)	EC	99.8	0	8.2
194M		83 BI	Q	(10-)	A	0.2	0	5.918
194M		83 BI	Q	(6+,7+)	EC	100	0	8.2
	195	83 BI	Q	(9/2-)	EC	99.97	0	5.900S
	195	83 BI	Q	(9/2-)	A	0.03	0	5.833
195M		83 BI	Q	(1/2+)	EC	67	0.401	6.301S
195M		83 BI	Q	(1/2+)	A	33	0.401	6.234
	196	83 BI	Q	(3+)	EC@	100	0	7.360S
	196	83 BI	Q	(3+)	A	1.20E-03	0	5.46
196M		83 BI	Q	(7+)	IT		0.167	0.167
196M		83 BI	Q	(7+)	EC		0.167	7.527S
196M		83 BI	Q	(10-)	EC	74.2	0.269	7.629S
196M		83 BI	Q	(10-)	IT	25.8	0.269	0.269
196M		83 BI	Q	(10-)	A	3.80E-04	0.269	5.729
	197	83 BI	Q	(9/2-)	EC	100	0	5.200S
	197	83 BI	Q	(9/2-)	A	1.00E-04	0	5.390S
197M		83 BI	Q	(1/2+)	A	55	0.5	5.890S
197M		83 BI	Q	(1/2+)	EC	45	0.5	5.700S
197M		83 BI	Q	(1/2+)	IT<	0.3	0.5	0.5
	198	83 BI	Q	(2+,3+)	EC	100	0	6.560S
198M		83 BI	Q	(7+)	EC	100	0	6.560S
198M		83 BI	Q		-10 IT	100	0.2485	0.249
	199	83 BI	Q	9/2-	EC	100	0	4.35
199M		83 BI	Q	(1/2+)	EC#	98	0.68	5.03
199M		83 BI	Q	(1/2+)	IT&	2	0.68	0.68
199M		83 BI	Q	(1/2+)	A @	0.01	0.68	5.640S
	200	83 BI	Q	7+	EC	100	0	5.89
200M		83 BI	Q	(2+)	EC>	90	0	5.89
200M		83 BI	Q	(2+)	IT<	10	0	0
200M		83 BI	Q	(10-)	IT	100	0.4282	0.428
	201	83 BI	Q	9/2-	EC	100	0	3.84
	201	83 BI	Q	9/2-	A <	1.00E-04	0	4.5
201M		83 BI	Q	1/2+	EC>	93	0.846	4.686
201M		83 BI	Q	1/2+	IT&	6.8	0.846	0.846
201M		83 BI	Q	1/2+	A @	0.3	0.846	5.346
	202	83 BI	Q	5+	EC	100	0	5.15
	202	83 BI	Q	5+	A <	1.00E-05	0	4.29
	203	83 BI	Q	9/2-	EC	100	0	3.253
203M		83 BI	Q	1/2+	IT	100	1.0981	1.098
	204	83 BI	Q	6+	EC	100	0	4.45
!204M		83 BI	Q		-10 IT	100	0.8055	0.805
!204M		83 BI	Q	(17+)	IT	100	2.8334	2.833
	205	83 BI	Q	9/2-	EC	100	0	2.708

	206	83 BI	Q	6(+)	EC	100	0	3.758
!206M		83 BI	Q	(10-)	IT	100	1.0448	1.045
	207	83 BI	Q	9/2-	EC	100	0	2.398
!207M		83 BI	Q	21/2+	IT	100	2.1015	2.102
	208	83 BI	Q	(5)+	EC	100	0	2.879
!208M		83 BI	Q	(10)-	IT	100	1.5711	1.571
	209	83 BI	Q	9/2-	A		0	3.137
	210	83 BI	Q		-1 B-	100	0	1.162
	210	83 BI	Q		-1 A	1.30E-04	0	5.036
210M		83 BI	Q		-9 A	100	0.2713	5.307
	211	83 BI	Q	9/2-	A	99.72	0	6.751
	211	83 BI	Q	9/2-	B-	0.28	0	0.579
	212	83 BI	Q	1(-)	B-	64.06	0	2.254
	212	83 BI	Q	1(-)	A	35.94	0	6.207
212M		83 BI	Q	(8-,9-)	A	67	0.25	6.457
212M		83 BI	Q	(8-,9-)	B-	33	0.25	2.504
212M		83 BI	Q	(8-,9-)	BA	30	0.25	11.458
212M		83 BI	Q	>16	B-@	100	1.91	4.164
	213	83 BI	Q	9/2-	B-	97.91	0	1.427
	213	83 BI	Q	9/2-	A	2.09	0	5.982
	214	83 BI	Q		-1 B-	99.98	0	3.272
	214	83 BI	Q		-1 A	0.02	0	5.617
	215	83 BI	Q	(9/2-)	B-	100	0	2.25
215M		83 BI	Q	(25/2-)	IT		1.3475	1.347
215M		83 BI	Q	(25/2-)	B-		1.3475	3.598
	216	83 BI	Q	(1-)	B-&	100	0	4.000S
	217	83 BI	Q		B-	100	0	2.920S
	218	83 BI	Q		B-	100	0	4.977S
	188	84 PO	Q	0+	EC<	100	0	0
	188	84 PO	Q	0+	A >	0	0	8.087
	189	84 PO	Q		A		0	0
	190	84 PO	Q	0+	A	100	0	7.643
	191	84 PO	Q	(3/2-)	A	100	0	7.471
191M		84 PO	Q	(13/2+)	A	100	0.13	7.601
	192	84 PO	Q	0+	A @	99.5	0	7.32
	192	84 PO	Q	0+	EC@	0.5	0	5.700S
193M		84 PO	Q	(13/2+)	A &	100	0	7.1
193M		84 PO	Q	(3/2-)	A &	100	0	7.1
	194	84 PO	Q	0+	A @	100	0	6.987
	194	84 PO	Q	0+	EC		0	5.200S
	195	84 PO	Q	(3/2-)	A	75	0	6.75
	195	84 PO	Q	(3/2-)	EC	25	0	6.800S
195M		84 PO	Q	(13/2+)	A @	90	0.23	6.98
195M		84 PO	Q	(13/2+)	EC@	10	0.23	7.030S
195M		84 PO	Q	(13/2+)	IT<	0.01	0.23	0.23
	196	84 PO	Q	0+	A @	98	0	6.657
	196	84 PO	Q	0+	EC@	2	0	4.600S
	197	84 PO	Q	(3/2-)	EC	56	0	6.200S
	197	84 PO	Q	(3/2-)	A	44	0	6.41
197M		84 PO	Q	(13/2+)	A	84	0.204	6.614
197M		84 PO	Q	(13/2+)	EC	16	0.204	6.404S
197M		84 PO	Q	(13/2+)	IT	0.01	0.204	0.204

	198	84 PO	Q	0+	A	57	0	6.309
	198	84 PO	Q	0+	EC	43	0	4.020S
	199	84 PO	Q	(3/2-)	EC	92.5	0	5.600S
	199	84 PO	Q	(3/2-)	A	7.5	0	6.074
199M		84 PO	Q	13/2+	EC	73.5	0.31	5.910S
199M		84 PO	Q	13/2+	A	24	0.31	6.384
199M		84 PO	Q	13/2+	IT	2.5	0.31	0.31
	200	84 PO	Q	0+	EC	88.9	0	3.350S
	200	84 PO	Q	0+	A	11.1	0	5.982
	201	84 PO	Q	3/2-	EC	98.4	0	4.880S
	201	84 PO	Q	3/2-	A	1.6	0	5.799
201M		84 PO	Q	13/2+	IT	56	0.424	0.424
201M		84 PO	Q	13/2+	EC	41	0.424	5.304S
201M		84 PO	Q	13/2+	A @	2.9	0.424	6.223
	202	84 PO	Q	0+	EC	98.08	0	2.820S
	202	84 PO	Q	0+	A	1.92	0	5.701
	203	84 PO	Q	5/2-	EC	99.89	0	4.23
	203	84 PO	Q	5/2-	A	0.11	0	5.496
203M		84 PO	Q	13/2+	IT	100	0.6417	0
	204	84 PO	Q	0+	EC	99.34	0	2.33
	204	84 PO	Q	0+	A	0.66	0	5.485
	205	84 PO	Q	5/2-	EC	99.96	0	3.53
	205	84 PO	Q	5/2-	A	0.04	0	5.324
!205M		84 PO	Q	13/2+	IT	100	0.8803	0.88
!205M		84 PO	Q	19/2-	IT	100	1.4612	1.461
	206	84 PO	Q	0+	EC	94.55	0	1.847
	206	84 PO	Q	0+	A	5.45	0	5.326
	207	84 PO	Q	5/2-	EC	99.98	0	2.909
	207	84 PO	Q	5/2-	A	0.02	0	5.216
207M		84 PO	Q	19/2-	IT	100	1.383	1.383
	208	84 PO	Q	0+	A	100	0	5.215
	208	84 PO	Q	0+	EC		0	1.401
	209	84 PO	Q	1/2-	A	99.52	0	4.979
	209	84 PO	Q	1/2-	EC	0.48	0	1.893
	210	84 PO	Q	0+	A	100	0	5.407
	211	84 PO	Q	9/2+	A	100	0	7.595
211M		84 PO	Q	(25/2+)	A	99.98	1.462	9.057
211M		84 PO	Q	(25/2+)	IT	0.02	1.462	1.462
!212		84 PO	Q	0+	A	100	0	8.954
!212M		84 PO	Q	6+	A @	71	1.3555	10.31
!212M		84 PO	Q	8+	A @	42	1.4764	10.43
212M		84 PO	Q	(18+)	A	99.93	2.922	11.876
	213	84 PO	Q	9/2+	A	100	0	8.537
	214	84 PO	Q	0+	A	100	0	7.833
!214M		84 PO	Q	0+	IT	99.86	1.4155	1.416
!214M		84 PO	Q	0+	A	0.14	1.4155	9.248
	215	84 PO	Q	9/2+	A	100	0	7.526
	215	84 PO	Q	9/2+	B-	2.30E-04	0	0.72
	216	84 PO	Q	0+	A	100	0	6.906
	217	84 PO	Q	(9/2+)	A		0	6.66
	218	84 PO	Q	0+	A	99.98	0	6.115
	218	84 PO	Q	0+	B-	0.02	0	0.265

	219	84 PO	N		A ?			0
	219	84 PO	N		B-?			0
	220	84 PO	W	0+	B-?			
	191	85 AT	Q	(1/2+)	A	100	0	7.49
191M		85 AT	Q	(7/2-)	A	100	0	7.49
	193	85 AT	Q	(1/2+)	A @	100	0	7.49
193M		85 AT	Q	(7/2-)	A @	100	0.005	7.495
193M		85 AT	Q	(13/2+)	A	24	0.039	7.529
194M		85 AT	Q		A		0	7.310S
194M		85 AT	Q		EC		0	10.000S
194M		85 AT	Q		A		0	7.310S
194M		85 AT	Q		EC		0	10.000S
194M		85 AT	Q		IT		0	0
	195	85 AT	Q	(1/2+)	A	100	0	7.36
195M		85 AT	Q	(7/2-)	A	100	0.037	7.397
	196	85 AT	Q		A	94	0	7.2
196		85 AT	Q		EC		0	9.500S
197		85 AT	Q	(9/2-)	A	96.1	0	7.1
197		85 AT	Q	(9/2-)	EC	3.9	0	7.200S
197M		85 AT	Q	(1/2+)	A &	100	0.052	7.152
197M		85 AT	Q	(1/2+)	IT&	4.00E-03	0.052	0.052
197M		85 AT	Q	(1/2+)	EC		0.052	7.252S
	198	85 AT	Q	(3+)	A	90	0	6.893
	198	85 AT	Q	(3+)	EC	10	0	8.8
198M		85 AT	Q	(10-)	A	84	0.102	6.995
198M		85 AT	Q	(10-)	EC	16	0.102	8.902
	199	85 AT	Q	(9/2-)	A	90	0	6.78
	199	85 AT	Q	(9/2-)	EC	10	0	6.600S
	200	85 AT	Q	(3+)	A	57	0	6.596
	200	85 AT	Q	(3+)	EC	43	0	7.970S
200M		85 AT	Q	(7+)	EC&	57	0.104	8.074S
200M		85 AT	Q	(7+)	A	43	0.104	6.7
200M		85 AT	Q	(10-)	IT@	84	0.335	0.335
200M		85 AT	Q	(10-)	A @	10.5	0.335	6.931
200M		85 AT	Q	(10-)	EC@	4.5	0.335	8.305S
	201	85 AT	Q	(9/2-)	A	71	0	6.473
	201	85 AT	Q	(9/2-)	EC	29	0	5.800S
	202	85 AT	Q	(2,3)+	EC	82	0	7.210S
	202	85 AT	Q	(2,3)+	A	18	0	6.354
202M		85 AT	Q	(7+)	EC	91.3	0	7.210S
202M		85 AT	Q	(7+)	A	8.7	0	6.354
202M		85 AT	Q	(10-)	IT	99.7	0.3917	0.392
202M		85 AT	Q	(10-)	EC	0.25	0.3917	7.602S
202M		85 AT	Q	(10-)	A	0.1	0.3917	6.746
	203	85 AT	Q	9/2-	EC	69	0	5.06
	203	85 AT	Q	9/2-	A	31	0	6.21
	204	85 AT	Q	7+	EC	96.2	0	6.48
	204	85 AT	Q	7+	A	3.8	0	6.07
204M		85 AT	Q	(10-)	IT	100	0.587	0.587
	205	85 AT	Q	9/2-	EC	90	0	4.54
	205	85 AT	Q	9/2-	A	10	0	6.02
	206	85 AT	Q	(5)+	EC	99.11	0	5.71

	206	85 AT	Q	(5)+	A	0.89	0	5.888
	207	85 AT	Q	9/2-	EC	91.4	0	3.91
	207	85 AT	Q	9/2-	A	8.6	0	5.873
	208	85 AT	Q	6+	EC	99.45	0	4.98
	208	85 AT	Q	6+	A	0.55	0	5.751
	209	85 AT	Q	9/2-	EC	95.9	0	3.486
	209	85 AT	Q	9/2-	A	4.1	0	5.757
	210	85 AT	Q	(5)+	EC	99.82	0	3.981
	210	85 AT	Q	(5)+	A	0.18	0	5.631
	211	85 AT	Q	9/2-	EC	58.2	0	0.786
	211	85 AT	Q	9/2-	A	41.8	0	5.982
	212	85 AT	Q	(1-)	A	100	0	7.829
	212	85 AT	Q	(1-)	EC<	0.03	0	1.754
	212	85 AT	Q	(1-)	B-<	2.00E-06	0	0.043
212M		85 AT	Q	(9-)	A >	99	0.223	8.052
212M		85 AT	Q	(9-)	IT<	1	0.223	0.223
	213	85 AT	Q	9/2-	A	100	0	9.254
	214	85 AT	Q		-1 A	100	0	8.987
!214M		85 AT	Q		A <	100	0.059	9.046
!214M		85 AT	Q		-9 A &	100	0.231	9.218
	215	85 AT	Q	9/2-	A	100	0	8.178
	216	85 AT	Q		-1 A	100	0	7.949
	216	85 AT	Q		-1 B-<	6.00E-03	0	2.003
	216	85 AT	Q		-1 EC<	3.00E-07	0	0.469
!216M		85 AT	Q	(9-)	A	100	0.413	8.362
	217	85 AT	Q	9/2-	A	99.99	0	7.202
	217	85 AT	Q	9/2-	B-	7.00E-03	0	0.741
	218	85 AT	Q		A	99.9	0	6.874
	218	85 AT	Q		B-	0.1	0	2.883
	219	85 AT	Q		A @	97	0	6.39
	219	85 AT	Q		B-@	3	0	1.7
	220	85 AT	Q		3 B-	92	0	3.650S
	220	85 AT	Q		3 A	8	0	6.05
	221	85 AT	Q		B-	100	0	2.500S
	222	85 AT	Q		B-	100	0	4.400S
	223	85 AT	Q		B-	100	0	3.300S
	195	86 RN	Q		A	100	0	7.62
195M		86 RN	Q		A	100	0.059	7.62
	196	86 RN	Q	0+	A	100	0	7.62
	197	86 RN	Q	(3/2-)	A @	100	0	7.41
197M		86 RN	Q	(13/2+)	A @	100	0	7.41
	198	86 RN	Q	0+	A		0	7.352
	198	86 RN	Q	0+	EC		0	5.600S
	199	86 RN	Q	(3/2-)	A	94	0	7.14
	199	86 RN	Q	(3/2-)	EC	6	0	7.200S
199M		86 RN	Q	(13/2+)	A	97	0	7.14
199M		86 RN	Q	(13/2+)	EC	3	0	7.200S
	200	86 RN	Q	0+	A @	98	0	7.043
	200	86 RN	Q	0+	EC@	2	0	5.000S
	201	86 RN	Q	(3/2-)	A @	80	0	6.86
	201	86 RN	Q	(3/2-)	EC@	20	0	6.600S
201M		86 RN	Q	(13/2+)	A @	90	0.28	7.14

201M	86 RN	Q	(13/2+)	EC@	10	0.28	6.880S
201M	86 RN	Q	(13/2+)	IT@	0	0.28	0.28
202	86 RN	Q	0+	A	86	0	6.774
202	86 RN	Q	0+	EC	14	0	4.440S
203	86 RN	Q	(3/2-)	A	66	0	6.63
203	86 RN	Q	(3/2-)	EC	34	0	6.000S
203M	86 RN	Q	(13/2+)	A	75	0.362	6.992
203M	86 RN	Q	(13/2+)	EC	25	0.362	6.362S
204	86 RN	Q	0+	A	73	0	6.546
204	86 RN	Q	0+	EC	27	0	3.820S
205	86 RN	Q	5/2-	EC	75.4	0	5.250S
205	86 RN	Q	5/2-	A	24.6	0	6.39
206	86 RN	Q	0+	A	62	0	6.384
206	86 RN	Q	0+	EC	38	0	3.320S
207	86 RN	Q	5/2-	EC	79	0	4.61
207	86 RN	Q	5/2-	A	21	0	6.251
!207M	86 RN	Q	(13/2+)	IT	100	0.899	0.899
208	86 RN	Q	0+	A	62	0	6.26
208	86 RN	Q	0+	EC	38	0	2.84
209	86 RN	Q	5/2-	EC	83	0	3.93
209	86 RN	Q	5/2-	A	17	0	6.155
210	86 RN	Q	0+	A	96	0	6.159
210	86 RN	Q	0+	EC	4	0	2.374
211	86 RN	Q	1/2-	EC	72.6	0	2.892
211	86 RN	Q	1/2-	A	27.4	0	5.965
212	86 RN	Q	0+	A	100	0	6.385
213	86 RN	Q	(9/2+)	A	100	0	8.243
214	86 RN	Q	0+	A	100	0	9.208
!214M	86 RN	Q	6+	IT<	100	1.4427	1.443
!214M	86 RN	Q	6+	A >	0	1.4427	10.651
!214M	86 RN	Q	8+	IT@	90	1.6251	1.625
!214M	86 RN	Q	8+	A @	10	1.6251	10.833
215	86 RN	Q	9/2+	A	100	0	8.839
216	86 RN	Q	0+	A	100	0	8.2
217	86 RN	Q	9/2+	A	100	0	7.889
218	86 RN	Q	0+	A	100	0	7.263
219	86 RN	Q	5/2+	A	100	0	6.946
220	86 RN	Q	0+	A	100	0	6.405
221	86 RN	Q	7/2(+)	B-	78	0	1.130S
221	86 RN	Q	7/2(+)	A	22	0	6.146
222	86 RN	Q	0+	A	100	0	5.59
223	86 RN	Q		2-Jul B-	100	0	1.900S
224	86 RN	Q	0+	B-	100	0	0.800S
225	86 RN	Q	7/2-	B-	100	0	2.600S
226	86 RN	Q	0+	B-	100	0	1.400S
227	86 RN	Q		B-	100	0	3.300S
228	86 RN	Q	0+	B-	100	0	2.200S
199	87 FR	Q		A >	0	0	7.812
199	87 FR	Q		EC		0	0
200	87 FR	Q	(3+)	A	100	0	7.63
200M	87 FR	Q	(10-)	A	100	0.2	7.83
201	87 FR	Q	(9/2-)	A	100	0	7.54

	201	87 FR	Q	(9/2-)	EC<	1	0	7.900S
201M		87 FR	Q		A	100	0	7.54
	202	87 FR	Q	(3+)	A @	97	0	7.389
	202	87 FR	Q	(3+)	EC@	3	0	9.4
202M		87 FR	Q	(10-)	A @	97	0.102	7.491
202M		87 FR	Q	(10-)	EC@	3	0.102	9.502
	203	87 FR	Q	(9/2-)	A &	100	0	7.28
	204	87 FR	Q	(3+)	A @	80	0	7.17
	204	87 FR	Q	(3+)	EC@	20	0	8.600S
204M		87 FR	Q	(7+)	A &	100	0.041	7.211
204M		87 FR	Q	(10-)	A &	100	0.316	7.486
204M		87 FR	Q	(10-)	IT		0.316	0.316
	205	87 FR	Q	(9/2-)	A &	100	0	7.05
	206	87 FR	Q	(2+,3+)	A @	84	0	6.926
	206	87 FR	Q	(2+,3+)	EC@	16	0	7.760S
206M		87 FR	Q	(7+)	A	84	0	6.926
206M		87 FR	Q	(7+)	EC	16	0	7.760S
206M		87 FR	Q	(10-)	A @	12	0.531	7.457
206M		87 FR	Q	(10-)	IT		0.531	0.531
	207	87 FR	Q	9/2-	A	95	0	6.9
	207	87 FR	Q	9/2-	EC	5	0	5.71
	208	87 FR	Q	7+	A	90	0	6.77
	208	87 FR	Q	7+	EC	10	0	6.99
	209	87 FR	Q	9/2-	A	89	0	6.777
	209	87 FR	Q	9/2-	EC	11	0	5.16
	210	87 FR	Q	6+	A	60	0	6.7
	210	87 FR	Q	6+	EC	40	0	6.258
	211	87 FR	Q	9/2-	A >	80	0	6.66
	211	87 FR	Q	9/2-	EC<	20	0	4.605
	212	87 FR	Q	5+	EC	57	0	5.13
	212	87 FR	Q	5+	A	43	0	6.529
	213	87 FR	Q	9/2-	A	99.45	0	6.905
	213	87 FR	Q	9/2-	EC	0.55	0	2.148
	214	87 FR	Q	(1-)	A	100	0	8.589
214M		87 FR	Q	(8-)	A	100	0.122	8.711
	215	87 FR	Q	9/2-	A	100	0	9.54
	216	87 FR	Q	(1-)	A	100	0	9.175
	216	87 FR	Q	(1-)	EC<	2.00E-07	0	2.729
!216M		87 FR	Q	(3-)	A >	50	0.1333	9.308
	217	87 FR	Q	9/2-	A	100	0	8.469
	218	87 FR	Q		-1 A	100	0	8.014
218M		87 FR	Q		A &	100	0.086	8.1
218M		87 FR	Q		IT		0.086	0.086
	219	87 FR	Q	9/2-	A	100	0	7.449
	220	87 FR	Q	1+	A	99.65	0	6.801
	220	87 FR	Q	1+	B-	0.35	0	1.209
	221	87 FR	Q	5/2-	A	100	0	6.458
	221	87 FR	Q	5/2-	B-<	0.1	0	0.315
	221	87 FR	Q	5/2-	14C	9.00E-13	0	31.294
	222	87 FR	Q		-2 B-	100	0	2.033
	223	87 FR	Q	3/2(-)	B-	99.99	0	1.149
	223	87 FR	Q	3/2(-)	A	6.00E-03	0	5.43

	224	87 FR	Q		-1 B-	100	0	2.83
	225	87 FR	Q	3/2-	B-	100	0	1.865
	226	87 FR	Q		-1 B-	100	0	3.67
	227	87 FR	Q	1/2+	B-	100	0	2.48
	228	87 FR	Q		-2 B-&	100	0	4.340S
	229	87 FR	Q	(1/2+)	B-	100	0	3.400S
	230	87 FR	Q		B-	100	0	5.100S
	231	87 FR	Q	(1/2+)	B-	100	0	3.900S
	232	87 FR	Q		B-	100	0	5.600S
	202	88 RA	Q	0+	A		0	0
	203	88 RA	Q	(3/2-)	A @	100	0	7.73
203M		88 RA	Q	(13/2+)	A @	100	0	7.73
	204	88 RA	Q	0+	A		0	7.636
	205	88 RA	Q	(3/2-)	A &	100	0	7.5
	205	88 RA	Q	(3/2-)	EC		0	7.000S
205M		88 RA	Q	(13/2+)	A &	100	0	7.5
205M		88 RA	Q	(13/2+)	EC		0	7.000S
	206	88 RA	Q	0+	A	100	0	7.416
	207	88 RA	Q	(5/2-,3/2-	) A @	90	0	7.27
	207	88 RA	Q	(5/2-,3/2-	) EC@	10	0	6.400S
207M		88 RA	Q	(13/2+)	IT	85	0.47	0.47
207M		88 RA	Q	(13/2+)	A	15	0.47	7.74
207M		88 RA	Q	(13/2+)	EC@	0.35	0.47	6.870S
	208	88 RA	Q	0+	A	95	0	7.273
	208	88 RA	Q	0+	EC	5	0	4.320S
	209	88 RA	Q	5/2-	A @	90	0	7.15
	209	88 RA	Q	5/2-	EC@	10	0	5.620S
	210	88 RA	Q	0+	A @	96	0	7.157
	210	88 RA	Q	0+	EC@	4	0	3.770S
	211	88 RA	Q	5/2(-)	A >	93	0	7.046
	211	88 RA	Q	5/2(-)	EC<	7	0	5
	212	88 RA	Q	0+	A @	85	0	7.032
	212	88 RA	Q	0+	EC@	15	0	3.34
	213	88 RA	Q	1/2-	A	80	0	6.861
	213	88 RA	Q	1/2-	EC	20	0	3.89
213M		88 RA	Q		IT@	99	1.77	1.77
213M		88 RA	Q		A @	1	1.77	8.631
	214	88 RA	Q	0+	A	99.94	0	7.273
	214	88 RA	Q	0+	EC	0.06	0	1.059
	215	88 RA	Q	(9/2+)	A	100	0	8.864
	216	88 RA	Q	0+	A	100	0	9.526
	216	88 RA	Q	0+	EC<	1.00E-08	0	0.308
!216M		88 RA	Q	6+	A	0.58	1.5076	11.034
!216M		88 RA	Q	8+	A	1.86	1.7111	11.237
!216M		88 RA	Q	10+	A	0.12	2.026	11.552
	217	88 RA	Q	(9/2+)	A @	100	0	9.161
	218	88 RA	Q	0+	A	100	0	8.546
	219	88 RA	Q	(7/2)+	A	100	0	8.138
	220	88 RA	Q	0+	A	100	0	7.595
	221	88 RA	Q	5/2+	A	100	0	6.884
	221	88 RA	Q	5/2+	14C	1.00E-12	0	32.402
	222	88 RA	Q	0+	A	100	0	6.681

	222	88 RA	Q	0+	14C	3.00E-08	0	33.053
	223	88 RA	Q	3/2+	A	100	0	5.979
	223	88 RA	Q	3/2+	14C	8.90E-08	0	31.839
	224	88 RA	Q	0+	A	100	0	5.789
	224	88 RA	Q	0+	14C	4.00E-09	0	30.541
	225	88 RA	Q	1/2+	B-	100	0	0.358
	226	88 RA	Q	0+	A	100	0	4.871
	226	88 RA	Q	0+	14C	3.20E-09	0	28.199
	227	88 RA	Q	3/2+	B-	100	0	1.326
	228	88 RA	Q	0+	B-	100	0	0.046
	229	88 RA	Q	5/2(+)	B-	100	0	1.76
	230	88 RA	Q	0+	B-	100	0	0.99
	231	88 RA	Q	(5/2+)	B-	100	0	2.500S
	232	88 RA	Q	0+	B-	100	0	1.600S
	233	88 RA	Q		B-	100	0	3.200S
	234	88 RA	Q	0+	B-	100	0	2.000S
206M		89 AC	Q		A	100	0	7.944
206M		89 AC	Q	(3+)	A	100	0	7.944
206M		89 AC	Q	(10-)	A	100	0	7.944
	207	89 AC	Q	(9/2-)	A		0	7.86
	208	89 AC	Q	(3+)	EC	1	0	9.040S
	208	89 AC	Q	(3+)	A		0	7.721
208M		89 AC	Q	(10-)	IT<	10	0.506	0.506
208M		89 AC	Q	(10-)	EC	1	0.506	9.546S
208M		89 AC	Q	(10-)	A		0.506	8.227
	209	89 AC	Q	(9/2-)	A @	99	0	7.73
	209	89 AC	Q	(9/2-)	EC@	1	0	7.100S
	210	89 AC	Q		A	91	0	7.61
	210	89 AC	Q		EC@	9	0	8.210S
	211	89 AC	Q		A @	100	0	7.62
	212	89 AC	Q		A @	57	0	7.52
	212	89 AC	Q		EC@	43	0	7.48
	213	89 AC	Q		A &	100	0	7.5
	214	89 AC	Q		A #	89	0	7.35
	214	89 AC	Q		EC&	11	0	6.34
	215	89 AC	Q	9/2-	A	99.91	0	7.75
	215	89 AC	Q	9/2-	EC	0.09	0	3.49
	216	89 AC	Q	(1-)	A	100	0	9.243
!216M		89 AC	Q	(9-)	A	100	0.037	9.28
	217	89 AC	Q	9/2-	A @	100	0	9.832
	217	89 AC	Q	9/2-	EC&	2	0	2.819
!217M		89 AC	Q	21/2-	IT#	99.6	1.5285	1.528
!217M		89 AC	Q	21/2-	A &	0.48	1.5285	11.36
!217M		89 AC	Q	(29/2)+	IT	95.7	2.013	2.013
!217M		89 AC	Q	(29/2)+	A	4.3	2.013	11.845
	218	89 AC	Q	(1-)	A	100	0	9.38
	219	89 AC	Q	9/2-	A	100	0	8.83
	220	89 AC	Q	(3-)	A	100	0	8.35
	220	89 AC	Q	(3-)	EC	5.00E-04	0	3.48
	221	89 AC	Q		A	100	0	7.78
	222	89 AC	Q		-1 A	99	0	7.137
	222	89 AC	Q		-1 EC	1	0	2.298

222M	89 AC	Q		A #	88	0	7.137
222M	89 AC	Q		IT&	10	0	0
222M	89 AC	Q		EC#	0.7	0	2.298
223	89 AC	Q	(5/2-)	A	99	0	6.783
223	89 AC	Q	(5/2-)	EC	1	0	0.586
224	89 AC	Q		0 EC	90.9	0	1.403
224	89 AC	Q		0 A	9.1	0	6.327
224	89 AC	Q		0 B-<	1.6	0	0.232
225	89 AC	Q	(3/2-)	A	100	0	5.935
225	89 AC	Q	(3/2-)	14C	5.00E-10	0	30.479
226	89 AC	Q		-1 B-	83	0	1.117
226	89 AC	Q		-1 EC	17	0	0.64
226	89 AC	Q		-1 A	6.00E-03	0	5.536
227	89 AC	Q	3/2-	B-	98.62	0	0.045
227	89 AC	Q	3/2-	A	1.38	0	5.042
228	89 AC	Q	3+	B-	100	0	2.127
229	89 AC	Q	(3/2+)	B-	100	0	1.1
230	89 AC	Q	(1+)	B-	100	0	2.7
231	89 AC	Q	(1/2+)	B-	100	0	2.1
232	89 AC	Q	(1+)	B-	100	0	3.7
233	89 AC	Q	(1/2+)	B-	100	0	2.800S
234	89 AC	Q		B-	100	0	4.500S
235	89 AC	N		B-?			3.400S
236	89 AC	N		B-?			5.100S
209	90 TH	Q	(5/2-)	A		0	0
210	90 TH	Q	0+	A	99	0	8.053
210	90 TH	Q	0+	EC@	1	0	5.380S
211	90 TH	Q		A		0	7.94
212	90 TH	Q	0+	A	100	0	7.952
212	90 TH	Q	0+	EC@	0.3	0	4.760S
213	90 TH	Q		A &	100	0	7.84
214	90 TH	Q	0+	A	100	0	7.826
215	90 TH	Q	(1/2-)	A	100	0	7.666
216	90 TH	Q	0+	A	100	0	8.071
216	90 TH	Q	0+	EC@	0.01	0	2.17
!216M	90 TH	Q	(8+)	IT@	97	2.028	2.028
!216M	90 TH	Q	(8+)	A @	3	2.028	10.099
217	90 TH	Q	(9/2+)	A	100	0	9.424
!217M	90 TH	Q	(15/2-)	IT	100	0.6738	0.674
218	90 TH	Q	0+	A	100	0	9.849
219	90 TH	Q		A	100	0	9.51
220	90 TH	Q	0+	A	100	0	8.953
220	90 TH	Q	0+	EC	2.00E-07	0	0.91
221	90 TH	Q	(7/2+)	A	100	0	8.628
222	90 TH	Q	0+	A	100	0	8.129
223	90 TH	Q	(5/2+)	A	100	0	7.567
224	90 TH	Q	0+	A	100	0	7.304
225	90 TH	Q	(3/2+)	A @	90	0	6.921
225	90 TH	Q	(3/2+)	EC@	10	0	0.671
226	90 TH	Q	0+	A	100	0	6.451
227	90 TH	Q	1/2+	A	100	0	6.146
228	90 TH	Q	0+	A	100	0	5.52

	228	90 TH	Q	0+	200	1.00E-11	0	5.52
	229	90 TH	Q	5/2+	A	100	0	5.168
229M		90 TH	Q		A	100	0.0035	5.172
	230	90 TH	Q	0+	A	100	0	4.77
	230	90 TH	Q	0+	SF<	4.00E-11	0	0
	231	90 TH	Q	5/2+	B-	100	0	0.389
	231	90 TH	Q	5/2+	A @	4.00E-11	0	4.213
	232	90 TH	Q	0+	A	100	0	4.083
	232	90 TH	Q	0+	SF	1.20E-08	0	0
	232	90 TH	Q	0+	Ne			0
	233	90 TH	Q	1/2+	B-	100	0	1.245
!233M		90 TH	Q		IT@	100	1.85	1.85
	234	90 TH	Q	0+	B-	100	0	0.273
	235	90 TH	Q	(1/2+)	B-	100	0	1.93
	236	90 TH	Q	0+	B-	100	0	1.000S
	237	90 TH	Q	(5/2+)	B-	100	0	2.600S
	238	90 TH	Q	0+	B-	100	0	1.600S
	212	91 PA	Q		A @	100	0	8.43
	213	91 PA	Q	(9/2-)	A	100	0	8.39
	214	91 PA	Q		A	100	0	8.27
	215	91 PA	Q		A	100	0	8.24
	216	91 PA	Q		A @	98	0	8.1
	216	91 PA	Q		EC@	2	0	7.51
	217	91 PA	Q		A	100	0	8.49
217M		91 PA	Q		A	73	1.85	10.34
217M		91 PA	Q		IT	27	1.85	1.85
	218	91 PA	Q		A	100	0	9.79
219M		91 PA	Q	9/2-	A	100	0	10.08
220?		91 PA	Q		A	100	0	9.83
220?		91 PA	Q		EC	3.00E-07	0	5.72
	221	91 PA	Q	9/2-	A	100	0	9.25
	222	91 PA	Q		A	100	0	8.850S
	223	91 PA	Q		A	100	0	8.34
	224	91 PA	Q		A	100	0	7.694
	225	91 PA	Q		A	100	0	7.39
	226	91 PA	Q		A	74	0	6.987
	226	91 PA	Q		EC	26	0	2.834
	227	91 PA	Q	(5/2-)	A	85	0	6.58
	227	91 PA	Q	(5/2-)	EC	15	0	1.019
	228	91 PA	Q	3+	EC	98	0	2.148
	228	91 PA	Q	3+	A	2	0	6.265
	229	91 PA	Q	(5/2+)	EC	99.52	0	0.31
	229	91 PA	Q	(5/2+)	A	0.48	0	5.836
	230	91 PA	Q	(2-)	EC	91.6	0	1.31
	230	91 PA	Q	(2-)	B-	8.4	0	0.564
	230	91 PA	Q	(2-)	A	3.20E-03	0	5.439
	231	91 PA	Q	3/2-	A	100	0	5.15
	231	91 PA	Q	3/2-	SF&	3.00E-10	0	0
	232	91 PA	Q	(2-)	B-	100	0	1.337
	232	91 PA	Q	(2-)	EC	3.00E-03	0	0.495
	233	91 PA	Q	3/2-	B-	100	0	0.57
	234	91 PA	Q	4+	B-	100	0	2.195

234M	91 PA	Q	(0-)	B-	99.84	0.074	2.269
234M	91 PA	Q	(0-)	IT	0.16	0.074	0.074
235	91 PA	Q	(3/2-)	B-	100	0	1.41
236	91 PA	Q	1(-)	B-	100	0	2.9
237	91 PA	Q	(1/2+)	B-	100	0	2.25
238	91 PA	Q	(3-)	B-	100	0	3.46
238	91 PA	Q	(3-)	SF<	2.60E-06	0	3.46
239	91 PA	Q	(3/2)	B-	100	0	2.600S
240	91 PA	N		B-?			4.100S
217	92 U	Q		A &	100	0	8.155
218	92 U	Q	0+	A	100	0	8.79
219	92 U	Q		A	100	0	9.86
220	92 U	W	0+	A ?		0	10.300S
220	92 U	W	0+	EC?		0	2.640S
221	92 U	W		A ?		0	9.950S
221	92 U	W		EC?		0	4.180S
222	92 U	Q	0+	A	100	0	9.500S
223	92 U	Q		A	100	0	8.94
223	92 U	Q		EC	0.2	0	3.5
224	92 U	Q	0+	A	100	0	8.62
225	92 U	Q		A	100	0	8.02
226	92 U	Q	0+	A	100	0	7.715
227	92 U	Q	(3/2+)	A	100	0	7.211
228	92 U	Q	0+	A >	95	0	6.804
228	92 U	Q	0+	EC<	5	0	0.307
229	92 U	Q	(3/2+)	EC@	80	0	1.311
229	92 U	Q	(3/2+)	A @	20	0	6.475
230	92 U	Q	0+	A	100	0	5.993
230	92 U	Q	0+	SF<	1.00E-10	0	5.993
231	92 U	Q	(5/2-)	EC	100	0	0.382
231	92 U	Q	(5/2-)	A @	4.00E-03	0	5.577
232	92 U	Q	0+	A	100	0	5.414
232	92 U	Q	0+	Ne	9.00E-10	0	5.414
232	92 U	Q	0+	Mg<	5.00E-12	0	5.414
232	92 U	Q	0+	SF	3.00E-12	0	5.414
233	92 U	Q	5/2+	A	100	0	4.909
233	92 U	Q	5/2+	SF<	6.00E-09	0	0
234	92 U	Q	0+	A	100	0	4.859
234	92 U	Q	0+	SF	1.60E-09	0	0
234	92 U	Q	0+	Mg	1.00E-11	0	-6.844
234	92 U	Q	0+	Ne	9.00E-12	0	-6.844
235	92 U	Q	7/2-	A	100	0	4.679
235	92 U	Q	7/2-	SF	7.00E-09	0	0
235	92 U	Q	7/2-	Ne@	8.00E-10	0	0
235	92 U	Q	7/2-	28Mg	8.00E-10	0	0
235M	92 U	Q	1/2+	IT	100	0.0001	0
236	92 U	Q	0+	A	100	0	4.572
236	92 U	Q	0+	SF	9.40E-08	0	0
236	92 U	Q	0+	30Mg		0	0
!236M	92 U	Q		SF	0.013	0	0
!236M	92 U	Q	(0+)	IT	87	2.75	2.75
!236M	92 U	Q	(0+)	SF	13	2.75	0

!236M	92 U	Q	(0+)	A <	10	2.75	7.322
237	92 U	Q	1/2+	B-	100	0	0.519
238	92 U	Q	0+	A	100	0	4.27
238	92 U	Q	0+	SF	5.50E-05	0	0
239	92 U	Q	5/2+	B-	100	0	1.263
240	92 U	Q	0+	B-	100	0	0.388
241	92 U	N		B-?			1.900S
242	92 U	Q	0+	B-	100	0	1.200S
225	93 NP	Q	(9/2-)	A	100	0	8.79
226	93 NP	Q		A	100	0	8.2
227	93 NP	Q		A	100	0	7.816
228	93 NP	Q		EC	60	0	4.480S
228	93 NP	Q		A	40	0	7.420S
229	93 NP	Q		A	68	0	7.01
229	93 NP	Q		EC	32	0	2.56
230	93 NP	Q		EC&	97	0	3.62
230	93 NP	Q		A #	3	0	6.78
231	93 NP	Q	(5/2)	EC	98	0	1.81
231	93 NP	Q	(5/2)	A	2	0	6.37
232	93 NP	Q	(4+)	EC	100	0	2.750S
233	93 NP	Q	(5/2+)	EC	100	0	1.03
233	93 NP	Q	(5/2+)	A &	1.00E-03	0	5.63
234	93 NP	Q	(0+)	EC	100	0	1.81
235	93 NP	Q	5/2+	EC	100	0	0.124
235	93 NP	Q	5/2+	A	2.60E-03	0	5.192
236	93 NP	Q	(6-)	EC	87.3	0	0.93
236	93 NP	Q	(6-)	B-	12.5	0	0.48
236	93 NP	Q	(6-)	A	0.16	0	5.01
236M	93 NP	Q		1 EC	52	0.06	0.99
236M	93 NP	Q		1 B-	48	0.06	0.54
237	93 NP	Q	5/2+	A	100	0	4.959
237	93 NP	Q	5/2+	SF&	2.00E-10	0	0
!237M	93 NP	Q		SF&	100	2.8	0
238	93 NP	Q	2+	B-	100	0	1.292
239	93 NP	Q	5/2+	B-	100	0	0.722
240	93 NP	Q	(5+)	B-	100	0	2.2
240M	93 NP	Q	(1+)	B-	99.88	0	2.2
240M	93 NP	Q	(1+)	IT	0.12	0	0
241	93 NP	Q	(5/2+)	B-	100	0	1.31
242	93 NP	Q	(1+)	B-	100	0	2.700S
242M	93 NP	Q	(6+)	B-	100	0	2.700S
243	93 NP	Q	(5/2-)	B-	100	0	2.120S
244	93 NP	Q	(7-)	B-	100	0	3.400S
228	94 PU	Q	0+	A	100	0	7.95
229	94 PU	Q	(3/2+)	A	100	0	7.59
230	94 PU	Q	0+	A	84	0	7.175
230	94 PU	Q	0+	EC	16	0	1.71
231	94 PU	Q	(3/2+)	EC&	99.8	0	2.820S
231	94 PU	Q	(3/2+)	A >	0.2	0	7.000S
232	94 PU	Q	0+	EC	80	0	1.010S
232	94 PU	Q	0+	A	20	0	6.716
233	94 PU	Q		EC	99.88	0	2.1

	233	94 PU	Q		A	0.12	0	6.42
	234	94 PU	Q	0+	EC@	94	0	0.388
	234	94 PU	Q	0+	A @	6	0	6.31
	235	94 PU	Q	(5/2+)	EC	100	0	1.142
	235	94 PU	Q	(5/2+)	A	2.80E-03	0	5.951
!	235M	94 PU	Q		SF&	100	3	0
	236	94 PU	Q	0+	A	100	0	5.867
	236	94 PU	Q	0+	SF	1.90E-07	0	0
	237	94 PU	Q	7/2-	EC	100	0	0.22
	237	94 PU	Q	7/2-	A	4.20E-03	0	5.749
237M		94 PU	Q	1/2+	IT		0.146	0.146
!	237M	94 PU	Q		SF&	100	2.6	0
!	237M	94 PU	Q		SF&	100	2.9	0
	238	94 PU	Q	0+	A	100	0	5.593
	238	94 PU	Q	0+	SF	1.90E-07	0	0
	239	94 PU	Q	1/2+	A	100	0	5.245
	239	94 PU	Q	1/2+	SF	3.00E-10	0	0
!	239M	94 PU	Q	(5/2+)	SF&	100	3.1	0
!	239M	94 PU	Q	(9/2-)	SF&	100	3.303	0
	240	94 PU	Q	0+	A	100	0	5.256
	240	94 PU	Q	0+	SF	5.70E-06	0	0
!	240M	94 PU	Q	(0+)	SF>	0	0	0
	241	94 PU	Q	5/2+	B-	100	0	0.021
	241	94 PU	Q	5/2+	A	2.50E-03	0	5.14
	241	94 PU	Q	5/2+	SF>	2.00E-14	0	0
!	241M	94 PU	Q		SF	100	2.2	0
!	241M	94 PU	Q		SF	100	2.2	0
	242	94 PU	Q	0+	A	100	0	4.984
	242	94 PU	Q	0+	SF	5.50E-04	0	0
!	242M	94 PU	Q		SF&	100	2	0
!	242M	94 PU	Q		SF&	100	2	0
	243	94 PU	Q	7/2+	B-	100	0	0.582
!	243M	94 PU	Q		SF	100	1.7	0
	244	94 PU	Q	0+	A	99.88	0	4.666
	244	94 PU	Q	0+	SF	0.12	0	0
!	244M	94 PU	Q		SF&	100	2.4	0
	245	94 PU	Q	(9/2-)	B-	100	0	1.205
	246	94 PU	Q	0+	B-	100	0	0.401
	247	94 PU	Q		B-	100	0	1.800S
	231	95 AM	N		EC?			4.000S
	231	95 AM	N		A ?			7.500S
	232	95 AM	Q		EC@	98	0	5.000S
	232	95 AM	Q		A @	2	0	7.300S
	233	95 AM	Q		A >	3	0	7.100S
	233	95 AM	Q		EC		0	3.250S
	234	95 AM	Q		EC>	99.96	0	4.180S
	234	95 AM	Q		A <	0.04	0	6.870S
235M		95 AM	Q		EC	99.6	0	2.560S
235M		95 AM	Q		A	0.4	0	6.700S
236?		95 AM	Q		A	0.004	0	6.400S
236?		95 AM	Q		EC		0	3.280S
236M		95 AM	N		EC		0	3.280S

	237	95 AM	Q	5/2(-)	EC	99.98	0	1.46
	237	95 AM	Q	5/2(-)	A	0.03	0	6.181
!	237M	95 AM	Q		SF&	100	2.4	0
	238	95 AM	Q	1+	EC	100	0	2.26
	238	95 AM	Q	1+	A	1.00E-04	0	6.04
238M		95 AM	N		A		0	6.04
	239	95 AM	Q	(5/2)-	EC	99.99	0	0.803
	239	95 AM	Q	(5/2)-	A	0.01	0	5.924
!	239M	95 AM	Q	(7/2+)	SF&	100	2.5	0
	240	95 AM	Q	(3-)	EC	100	0	1.379
	240	95 AM	Q	(3-)	A	1.90E-04	0	5.71
!	240M	95 AM	Q		SF&	100	3	0
	241	95 AM	Q	5/2-	A	100	0	5.638
	241	95 AM	Q	5/2-	SF	4.00E-10	0	0
!	241M	95 AM	Q		SF	100	2.2	0
	242	95 AM	Q		-1 B-	82.7	0	0.665
	242	95 AM	Q		-1 EC	17.3	0	0.751
242M		95 AM	Q		-5 IT	99.55	0.0486	0.049
242M		95 AM	Q		-5 A	0.45	0.0486	5.637
242M		95 AM	Q		-5 SF<	4.70E-09	0.0486	0
242M		95 AM	Q	(2+,3-)	SF@	100	2.2	0
242M		95 AM	Q	(2+,3-)	A <	5.00E-03	2.2	7.788
242M		95 AM	Q	(2+,3-)	IT		2.2	2.2
	243	95 AM	Q	5/2-	A	100	0	5.438
	243	95 AM	Q	5/2-	SF	3.70E-09	0	0
!	243M	95 AM	Q		SF&	100	2.3	0
	244	95 AM	Q	(6-)	B-	100	0	1.428
!	244M	95 AM	Q		SF&	100	0	0
244M		95 AM	Q		SF&	100	0	0
244M		95 AM	Q	1+	B-	99.96	0.0861	1.514
244M		95 AM	Q	1+	EC	0.04	0.0861	0.162
	245	95 AM	Q	(5/2)+	B-	100	0	0.894
	246	95 AM	Q	(7-)	B-	100	0	2.376
246M		95 AM	Q	2(-)	B-	100	0	2.376
246M		95 AM	Q	2(-)	IT<	0.02	0	0
!	246M	95 AM	Q		SF&	100	2	0
	247	95 AM	Q	(5/2)	B-	100	0	1.620S
	248	95 AM	Q		B-	100	0	3.170S
	249	95 AM	N		B-?			2.400S
	232	96 CM	Q	0+	SF<	30.3	0	7.100S
	233	96 CM	Q		A		0	7.500S
	233	96 CM	Q		EC		0	4.000S
	234	96 CM	N	0+	EC?			2.300S
	234	96 CM	N	0+	A ?			7.400S
	235	96 CM	Q		EC?		0	0
	235	96 CM	Q		A ?		0	0
	236	96 CM	Q	0+	EC		0	1.710S
	236	96 CM	Q	0+	A		0	7.100S
	237	96 CM	Q		EC?		0	2.720S
	237	96 CM	Q		A ?		0	6.800S
	238	96 CM	Q	0+	EC#	90	0	0.97
	238	96 CM	Q	0+	A &	10	0	6.62

	239	96 CM	Q	(7/2-)	EC	100	0	1.800S
	239	96 CM	Q	(7/2-)	A <	0.1	0	6.580S
	240	96 CM	Q	0+	A >	99.5	0	6.397
	240	96 CM	Q	0+	EC<	0.5	0	0.215
	240	96 CM	Q	0+	SF	3.90E-06	0	0
!	240M	96 CM	Q		SF&	100	2	0
!	240M	96 CM	Q		SF@	100	3	0
	241	96 CM	Q	1/2+	EC	99	0	0.767
	241	96 CM	Q	1/2+	A	1	0	6.185
	242	96 CM	Q	0+	A	100	0	6.216
	242	96 CM	Q	0+	SF	6.20E-06	0	0
	242	96 CM	Q	0+	34SI	1.00E-14	0	0
!	242M	96 CM	Q	0+	SF&	100	0	0
!	242M	96 CM	Q		SF		2.8	0
!	242M	96 CM	Q		IT		2.8	2.8
	243	96 CM	Q	5/2+	A	99.71	0	6.169
	243	96 CM	Q	5/2+	EC	0.29	0	0.009
	243	96 CM	Q	5/2+	SF	5.30E-09	0	0
!	243M	96 CM	Q		SF&	100	1.9	0
	244	96 CM	Q	0+	A	100	0	5.902
	244	96 CM	Q	0+	SF	1.40E-04	0	0
!	244M	96 CM	Q	0+	SF&	100	0	0
!	244M	96 CM	Q	6+	IT	100	1.0402	1.04
	245	96 CM	Q	7/2+	A	100	0	5.623
	245	96 CM	Q	7/2+	SF	6.10E-07	0	0
	246	96 CM	Q	0+	A	99.97	0	5.475
	246	96 CM	Q	0+	SF	0.03	0	0
	247	96 CM	Q	9/2-	A	100	0	5.353
	248	96 CM	Q	0+	A	91.61	0	5.162
	248	96 CM	Q	0+	SF	8.39	0	0
	249	96 CM	Q	1/2(+)	B-	100	0	0.901
	250	96 CM	Q	0+	SF@	74	0	0
	250	96 CM	Q	0+	A @	18	0	5.169
	250	96 CM	Q	0+	B-@	8	0	0.037
	251	96 CM	Q	(1/2+)	B-	100	0	1.42
	252	96 CM	Q	0+	B-		0	0.500S
	235	97 BK	N		EC?			4.600S
	235	97 BK	N		A ?			7.800S
	236	97 BK	N		A ?			7.600S
	236	97 BK	N		EC?			5.500S
236M		97 BK	N		EC		0	3.280S
	237	97 Bk	W		EC?		0	3.900S
	237	97 Bk	W		A ?		0	7.500S
	238	97 BK	Q		EC	100	0	4.900S
	238	97 BK	Q		EF	0.048	0	7.3
	240	97 BK	Q		EF	2.00E-03	0	0
	240	97 BK	Q		EC		0	3.940S
	241	97 BK	Q	(7/2+)	A ?		0	7.130S
	241	97 BK	Q	(7/2+)	EC?		0	2.400S
	242	97 BK	Q		EC&	100	0	3.000S
!	242M	97 BK	Q		SF&	100	0	0
!	242M	97 BK	Q		SF&	100	0	0

	243	97 BK	Q	(3/2-)	EC@	99.85	0	1.508
	243	97 BK	Q	(3/2-)	A @	0.15	0	6.874
!	243M	97 BK	Q		SF&	100	2.2	0
	244	97 BK	Q	(4-)	EC	99.99	0	2.256
	244	97 BK	Q	(4-)	A	6.00E-03	0	6.778
!	244M	97 BK	Q		SF&	100	0	0
	245	97 BK	Q	3/2-	EC	99.88	0	0.81
	245	97 BK	Q	3/2-	A	0.12	0	6.455
246M		97 BK	Q	2(-)	EC	100	0	1.35
246M		97 BK	Q	2(-)	A <	0.2	0	6.07
	247	97 BK	Q	(3/2-)	A &	100	0	5.889
	248	97 BK	Q		A		0	5.770S
248M		97 BK	Q	1(-)	B-	70	0	0.840S
248M		97 BK	Q	1(-)	EC	30	0	0.690S
	249	97 BK	Q	7/2+	B-	100	0	0.124
	249	97 BK	Q	7/2+	A	1.40E-03	0	5.525
	249	97 BK	Q	7/2+	SF	4.70E-08	0	0
	250	97 BK	Q		-2 B-	100	0	1.78
	251	97 BK	Q	(3/2-)	B-	100	0	1.093
	252	97 BK	Q		B-?		0	2.500S
	252	97 BK	Q		A ?		0	5.500S
	253	97 BK	W		B-?		0	1.600S
	254	97 BK	N		B-?			3.100S
	237	98 CF	Q		SF@	10	0	0
	237	98 CF	Q		A ?		0	8.100S
	238	98 CF	Q	0+	SF@	100	0	0
	239	98 CF	Q		EC		0	3.900S
	239	98 CF	Q		A		0	7.810S
	240	98 CF	Q	0+	A @	98	0	7.719
	240	98 CF	Q	0+	SF@	2	0	0
	240	98 CF	Q	0+	EC		0	2.400S
	241	98 CF	Q		EC@	75	0	3.300S
	241	98 CF	Q		A @	25	0	7.660S
	242	98 CF	Q	0+	A	80	0	7.516
	242	98 CF	Q	0+	EC	20	0	1.530S
	242	98 CF	Q	0+	SF&	0.01	0	0
	243	98 CF	Q	(1/2+)	EC@	86	0	2.250S
	243	98 CF	Q	(1/2+)	A @	14	0	7.330S
	244	98 CF	Q	0+	A &	100	0	7.329
	245	98 CF	Q	(1/2+,5/2+)	EC	64	0	1.570S
	245	98 CF	Q	(1/2+,5/2+)	A	36	0	7.260S
	246	98 CF	Q	0+	A	100	0	6.862
	246	98 CF	Q	0+	EC<	4.00E-03	0	0.12
	246	98 CF	Q	0+	SF	2.50E-04	0	0
!	246M	98 CF	Q		SF&	100	2.5	0
	247	98 CF	Q	(7/2+)	EC	99.97	0	0.646
	247	98 CF	Q	(7/2+)	A	0.04	0	6.527
	248	98 CF	Q	0+	A	100	0	6.361
	248	98 CF	Q	0+	SF	2.90E-03	0	0
	249	98 CF	Q	9/2-	A	100	0	6.295
	249	98 CF	Q	9/2-	SF	5.00E-07	0	0
	250	98 CF	Q	0+	A	99.92	0	6.128

250	98 CF	Q	0+	SF	0.08	0	0
251	98 CF	Q	1/2+	A	100	0	6.176
251	98 CF	Q	1/2+	SF		0	0
252	98 CF	Q	0+	A	96.91	0	6.217
252	98 CF	Q	0+	SF	3.09	0	0
253	98 CF	Q	(7/2+)	B-	99.69	0	0.288
253	98 CF	Q	(7/2+)	A	0.31	0	6.126
254	98 CF	Q	0+	SF	99.69	0	0
254	98 CF	Q	0+	A	0.31	0	5.926
255	98 CF	Q	(7/2+)	B-	100	0	0.720S
256	98 CF	Q	0+	SF	100	0	0
256	98 CF	Q	0+	B-<	1	0	-0.100S
256	98 CF	Q	0+	A @	1.00E-06	0	5.600S
240	99 ES	W		A ?			
240	99 ES	W		EC?			
241	99 ES	Q	(3/2-)	A		0	8.320S
242	99 ES	Q		A >	0	0	8.220S
242	99 ES	Q		EC>	0	0	5.600S
243	99 ES	Q		EC&	70	0	3.900S
243	99 ES	Q		A #	30	0	8.072
244	99 ES	Q		EC	96	0	4.640S
244	99 ES	Q		A	4	0	8.030S
245	99 ES	Q	(3/2-)	EC	60	0	3.050S
245	99 ES	Q	(3/2-)	A	40	0	7.909
246M	99 ES	Q		EC	90.1	0	3.880S
246M	99 ES	Q		A	9.9	0	7.740S
246M	99 ES	Q		EC	3.00E-03	0	3.880S
247	99 ES	Q	(7/2+)	EC@	93	0	2.480S
247	99 ES	Q	(7/2+)	A @	7	0	7.490S
247M	99 ES	N		A		0	7.490S
248	99 ES	Q	(2-,0+)	EC	99.7	0	3.060S
248	99 ES	Q	(2-,0+)	A @	0.25	0	7.160S
249	99 ES	Q	7/2+	EC	99.43	0	1.450S
249	99 ES	Q	7/2+	A	0.57	0	6.940S
250	99 ES	Q	(6+)	EC>	97	0	2.100S
250	99 ES	Q	(6+)	A <	3	0	6.880S
250M	99 ES	Q	1(-)	EC&	100	0	2.100S
251	99 ES	Q	(3/2-)	EC	99.5	0	0.376
251	99 ES	Q	(3/2-)	A	0.5	0	6.597
252	99 ES	Q	(5-)	A	78	0	6.790S
252	99 ES	Q	(5-)	EC	22	0	1.26
252	99 ES	Q	(5-)	B-@	0.01	0	0.48
253	99 ES	Q	7/2+	A	100	0	6.739
253	99 ES	Q	7/2+	SF	8.70E-06	0	0
254	99 ES	Q	(7+)	A @	100	0	6.616
254	99 ES	Q	(7+)	B-	1.70E-04	0	1.088
254	99 ES	Q	(7+)	SF<	3.00E-06	0	0
254	99 ES	Q	(7+)	EC		0	0.652
254M	99 ES	Q	2+	B-	98	0.08	1.168
254M	99 ES	Q	2+	IT<	3	0.08	0.08
254M	99 ES	Q	2+	A	0.32	0.08	6.696
254M	99 ES	Q	2+	EC	0.08	0.08	0.732

254M	99 ES	Q	2+	SF<	0.05	0.08	0
	255	99 ES	(7/2+)	B-	92	0	0.29
	255	99 ES	(7/2+)	A	8	0	6.436
	255	99 ES	(7/2+)	SF	4.10E-03	0	0
	256	99 ES	(1+,0-)	B-	100	0	1.700S
256M	99 ES	Q	(8+)	B-	100	0	1.700S
	257	99 ES		B-		0	0.800S
	257	99 ES		SF		0	0
	258	99 ES		EC?			
	258	99 ES		A ?			
	242	100 FM	0+	SF&	100	0	0
	243	100 FM	(7/2+)	A &	100	0	8.69
	244	100 FM	0+	SF&	100	0	0
	245	100 FM		A &	100	0	8.440S
	245	100 FM		SF&	0.1	0	0
	246	100 FM	0+	A	92	0	8.374
	246	100 FM	0+	SF	8	0	0
	246	100 FM	0+	EC&	1	0	2.160S
	247	100 FM	(7/2+)	A #	50	0	8.19
	247	100 FM	(7/2+)	EC&	50	0	2.950S
247M	100 FM	Q	(1/2+)	A &	100	0	8.19
	248	100 FM	0+	A	93	0	8.002
	248	100 FM	0+	EC	7	0	1.610S
	248	100 FM	0+	SF	0.1	0	0
	249	100 FM	(7/2+)	EC	67	0	2.440S
	249	100 FM	(7/2+)	A	33	0	7.810S
	250	100 FM	0+	A >	90	0	7.557
	250	100 FM	0+	EC<	10	0	0.800S
	250	100 FM	0+	SF	6.90E-03	0	0
250M	100 FM	Q	0+	IT#	80	0	0
250M	100 FM	Q	0+	A <	20	0	7.557
250M	100 FM	Q	0+	SF&	8.20E-05	0	0
250M	100 FM	Q	0+	EC		0	0.800S
	251	100 FM	(9/2-)	EC	98.2	0	1.474
	251	100 FM	(9/2-)	A	1.8	0	7.425
	252	100 FM	0+	A	100	0	7.153
	252	100 FM	0+	SF	2.30E-03	0	0
	253	100 FM	(1/2)+	EC	88	0	0.334
	253	100 FM	(1/2)+	A	12	0	7.197
	254	100 FM	0+	A	99.94	0	7.307
	254	100 FM	0+	SF	0.06	0	0
	255	100 FM	7/2+	A	100	0	7.24
	255	100 FM	7/2+	SF	2.40E-05	0	0
	256	100 FM	0+	SF	91.9	0	0
	256	100 FM	0+	A	8.1	0	7.027
	257	100 FM	(9/2+)	A	99.79	0	6.864
	257	100 FM	(9/2+)	SF	0.21	0	0
	258	100 FM	0+	SF&	100	0	0
	259	100 FM		SF	100	0	0
	260	100 FM		SF	100	0	0
	245	101 MD	(1/2-)	A		0	9.080S
	245	101 MD	(1/2-)	SF		0	0

245M	101 MD	Q		A		0.3	9.380S
245M	101 MD	Q		EC		0.3	5.600S
246M	101 MD	Q		SF		0	0
246M	101 MD	Q		A >	0	0	8.970S
246M	101 MD	Q		EC>	0	0	6.200S
	247	101 MD	Q	A &	100	0	8.910S
	248	101 MD	Q	EC	80	0	5.330S
	248	101 MD	Q	A	20	0	8.700S
	248	101 MD	Q	SF&	0.05	0	8.700S
	249	101 MD	Q	A >	60	0	8.460S
	249	101 MD	Q	EC&	40	0	3.700S
	250	101 MD	Q	EC	93	0	4.600S
	250	101 MD	Q	A	7	0	8.310S
	251	101 MD	Q	EC#	90	0	3.120S
	251	101 MD	Q	A &	10	0	8.070S
	252	101 MD	Q	EC&	100	0	3.880S
	253	101 MD	Q	(1/2-) EC&	100	0	1.960S
	253	101 MD	Q	(1/2-) A		0	7.710S
254M	101 MD	Q		EC&	100	0	2.680S
254M	101 MD	Q		EC&	100	0	2.680S
	255	101 MD	Q	(7/2-) EC	92	0	1.043
	255	101 MD	Q	(7/2-) A	8	0	7.907
	255	101 MD	Q	(7/2-) SF<	0.15	0	7.907
	256	101 MD	Q	(1-) EC	90.8	0	2.13
	256	101 MD	Q	(1-) A	9.2	0	7.897
	256	101 MD	Q	(1-) SF<	3	0	0
	257	101 MD	Q	(7/2-) EC	85	0	0.406
	257	101 MD	Q	(7/2-) A	15	0	7.558
	257	101 MD	Q	(7/2-) SF<	1	0	0
	258	101 MD	Q	A	100	0	7.271
	258	101 MD	Q	SF		0	0
258M	101 MD	Q		EC#	70	0	1.260S
258M	101 MD	Q		SF		0	0
	259	101 MD	Q	SF@	100	0	0
	259	101 MD	Q	A <	1.3	0	7.110S
	260	101 MD	Q	SF#	42	0	0
	260	101 MD	Q	A &	25	0	6.900S
	260	101 MD	Q	EC&	23	0	0.940S
	260	101 MD	Q	B-&	10	0	0.900S
	261	101 MD	W	A ?			
	262	101 MD	W	SF?			
	262	101 MD	W	A ?			
	248	102 NO	W	0+ SF?			
	249	102 NO	N	SF			0
	250	102 NO	Q	0+ SF&	100	0	0
	250	102 NO	Q	0+ A	0.1	0	8.950S
	250	102 NO	Q	0+ EC	1.00E-03	0	2.800S
	251	102 NO	Q	(7/2+) A &	100	0	8.890S
	251	102 NO	Q	(7/2+) SF&	8	0	0
	251	102 NO	Q	(7/2+) EC		0	3.800S
251M	102 NO	Q	(1/2+)	A &	100	0.087	8.977S
	252	102 NO	Q	0+ A	58	0	8.549

	252	102 NO	Q	0+	EC	23	0	2.180S
	252	102 NO	Q	0+	SF	19	0	0
252M		102 NO	N		A		0	8.549
	253	102 NO	Q	(9/2-)	A &	100	0	8.400S
	253	102 NO	Q	(9/2-)	EC		0	3.100S
	254	102 NO	Q	0+	A	90	0	8.226
	254	102 NO	Q	0+	EC	10	0	1.140S
	254	102 NO	Q	0+	SF	0.17	0	0
254M		102 NO	Q	0+	IT>	80	0	0
	255	102 NO	Q	(1/2+)	A	61	0	8.442
	255	102 NO	Q	(1/2+)	EC	39	0	2.009
	256	102 NO	Q	0+	A	99.47	0	8.581
	256	102 NO	Q	0+	SF	0.53	0	0
	257	102 NO	Q	(7/2+)	A &	100	0	8.45
	257	102 NO	Q	(7/2+)	SF&	1.5	0	8.45
	258	102 NO	Q	0+	SF&	100	0	0
	259	102 NO	Q		A	75	0	7.890S
	259	102 NO	Q		EC	25	0	0.490S
	259	102 NO	Q		SF<	10	0	0
	260	102 NO	Q	0+	SF	100	0	0
	261	102 NO	W		B-		0	-1.100S
	261	102 NO	W		A		0	7.500S
	262	102 NO	Q	0+	SF	100	0	0
	263	102 NO	W		A ?			
	263	102 NO	W		SF?			
	264	102 NO	W	0+	A ?			
	251	103 LR	N		EC?			5.000S
	251	103 LR	N		A ?			9.300S
	252	103 LR	Q		A @	90	0	9.100S
	252	103 LR	Q		EC@	10	0	5.900S
	252	103 LR	Q		SF<	1	0	0
	253	103 LR	Q		A	100	0	8.990S
	253	103 LR	Q		SF<	2	0	0
253M		103 LR	Q		A	90	0	8.990S
253M		103 LR	Q		SF<	2	0	0
	254	103 LR	Q		A	76	0	8.850S
	254	103 LR	Q		EC	24	0	5.300S
	255	103 LR	Q		A	85	0	8.610S
	255	103 LR	Q		EC<	30	0	3.300S
	255	103 LR	Q		SF&	0.1	0	0.000S
	256	103 LR	Q		A	85	0	8.880S
	256	103 LR	Q		EC	15	0	4.180S
	256	103 LR	Q		SF<	0.03	0	0
	257	103 LR	Q		A &	100	0	9.060S
	257	103 LR	Q		SF&	0.03	0	9.06
	258	103 LR	Q		A >	95	0	8.9
	258	103 LR	Q		SF<	5	0	0
	259	103 LR	Q		A	78	0	8.670S
	259	103 LR	Q		SF	22	0	0
	260	103 LR	Q		A	80	0	8.310S
	260	103 LR	Q		EC<	40	0	2.740S
	260	103 LR	Q		SF<	10	0	0

	261	103 LR	Q		SF	100	0	0
	262	103 LR	Q		SF<	10	0	0
	262	103 LR	Q		EC		0	2.000S
	262	103 LR	Q		A		0	8.100S
	263	103 LR	W		A ?		0	0
	264	103 LR	W		A ?			
	264	103 LR	W		SF?			
	265	103 LR	W		A ?			
	265	103 LR	W		SF?			
	266	103 LR	W		A ?			
	266	103 LR	W		SF?			
253M		104 RF	Q		SF&	100	0	0
253M		104 RF	Q		A		0	9.600S
253M		104 RF	Q		SF@	50	0	0
253M		104 RF	Q		A @	50	0	9.600S
	254	104 RF	Q	0+	SF&	100	0	0
	255	104 RF	Q	(9/2-)	SF	52	0	9.25
	255	104 RF	Q	(9/2-)	A	48	0	9.250S
255M		104 RF	Q		A &	100	0	9.250S
	256	104 RF	Q	0+	SF	99.68	0	0
	256	104 RF	Q	0+	A	0.32	0	8.952
	257	104 RF	Q	(1/2+)	A <	100	0	9.150S
	257	104 RF	Q	(1/2+)	SF&	1.4	0	0
	257	104 RF	Q	(1/2+)	EC>	0	0	3.200S
257M		104 RF	Q		A <	100	0	9.150S
257M		104 RF	Q		SF&	1.4	0	0
257M		104 RF	Q		EC>	0	0	3.200S
	258	104 RF	Q	0+	SF	87	0	0
	258	104 RF	Q	0+	A	13	0	9.330S
	259	104 RF	Q		A	92	0	9.120S
	259	104 RF	Q		SF	8	0	0
	260	104 RF	Q	0+	SF&	100	0	0
	260	104 RF	Q	0+	A ?		0	8.900S
	261	104 RF	Q		A >	80	0	8.660S
	261	104 RF	Q		EC<	15	0	1.690S
	261	104 RF	Q		SF<	10	0	0
	262	104 RF	Q	0+	SF&	100	0	0
	262	104 RF	Q	0+	A <	3	0	8.490S
	263	104 RF	Q		SF@	100	0	0
	263	104 RF	Q		A		0	8.300S
	264	104 RF	W	0+	A ?		0	0
	265	104 RF	W		A ?			
	266	104 RF	W	0+	A ?			
	266	104 RF	W	0+	SF?			
267?		104 RF	W		SF	100		
	268	104 RF	W	0+	A ?			
	268	104 RF	W	0+	SF?			
	255	105 DB	Q		A @	80	0	9.700S
	255	105 DB	Q		SF@	20	0	0
	256	105 DB	Q		A @	64	0	9.480S
	256	105 DB	Q		EC@	36	0	6.500S
	256	105 DB	Q		SF@	0.02	0	6.500S

	257	105 DB	Q		A >	94	0	9.310S	
	257	105 DB	Q		SF<	6	0		0
257M		105 DB	Q		A #	87	0	9.310S	
257M		105 DB	Q		SF&	13	0		0
	258	105 DB	Q		A	67	0	9.550S	
	258	105 DB	Q		EC	33	0	5.500S	
	258	105 DB	Q		SF<	1	0		0
258M		105 DB	Q		EC@	100	0	5.500S	
	259	105 DB	Q		A		0	9.640S	
	260	105 DB	Q		A #	90.4	0		9.37
	260	105 DB	Q		SF&	9.6	0		0
	260	105 DB	Q		EC<	2.5	0	4.700S	
	261	105 DB	Q		A #	82	0	9.220S	
	261	105 DB	Q		SF&	18	0		0
	262	105 DB	Q		A @	67	0	9.010S	
	262	105 DB	Q		SF		0		0
	263	105 DB	Q		SF	55	0		0
	263	105 DB	Q		A	41	0	8.830S	
	263	105 DB	Q		EC	3	0	2.360S	
	264	105 DB	W		A ?		0		0
	265	105 DB	W		A ?		0		0
	266	105 DB	W		A ?				
	266	105 DB	W		SF?				
267?		105 DB	Q		SF>	0	0		0
268?		105 DB	Q		SF	100	0		0
	269	105 DB	W		A ?				
	269	105 DB	W		SF?				
	258	106 SG	Q	0+	SF&	100	0		0
	258	106 SG	Q	0+	A ?		0	9.700S	
	259	106 SG	Q	(1/2+)	A	90	0		9.83
	259	106 SG	Q	(1/2+)	SF<	20	0		0
	260	106 SG	Q	0+	A	50	0		9.92
	260	106 SG	Q	0+	SF	50	0		0
	261	106 SG	Q		A @	100	0	9.800S	
	261	106 SG	Q		SF<	1	0		0
	262	106 SG	Q	0+	SF#	78	0		0
	262	106 SG	Q	0+	A &	22	0	9.600S	
	263	106 SG	Q		A >	70	0	9.390S	
	263	106 SG	Q		SF<	30	0		0
263M		106 SG	Q		A		0	9.390S	
263M		106 SG	Q		IT		0		0
	264	106 SG	Q	0+	A ?		0		0
	265	106 SG	Q	(9/2+)	SF&	57	0		0
	265	106 SG	Q	(9/2+)	A #	43	0	9.050S	
	266	106 SG	Q	0+	SF#	50	0		0
	266	106 SG	Q	0+	A &	50	0		8.88
	268	106 SG	W	0+	A ?				
	268	106 SG	W	0+	SF?				
	270	106 SG	W	0+	A ?				
	270	106 SG	W	0+	SF?				
271?		106 SG	Q		A	50	0		8.66
271?		106 SG	Q		SF	50	0		0

	272	106 SG	W	0+	A ?			
	272	106 SG	W	0+	SF?			
	273	106 SG	W		SF?			
	260	107 BH	Q		A &	100	0	10.300S
	261	107 BH	Q		A	95	0	10.56
	261	107 BH	Q		SF<	10	0	0
262M		107 BH	Q		A &	100	0	10.220S
262M		107 BH	Q		A &	100	0	10.220S
	263	107 BH	Q		A ?		0	0
	264	107 BH	Q		A &	100	0	9.970S
	265	107 BH	Q		A		0	9.800S
266?		107 BH	Q		A	100	0	9.22
267?		107 BH	Q		A	100	0	9.37
271?		107 BH	Q		A ?		0	
272?		107 BH	Q		A	100	0	9.15
	273	107 BH	W		A ?			
	273	107 BH	W		SF?			
	274	107 BH	W		A ?			
	274	107 BH	W		SF?			
	275	107 BH	W		SF?			
	263	108 HS	Q		A &	100	0	10.700S
	264	108 HS	Q	0+	A @	50	0	10.591
	264	108 HS	Q	0+	SF@	50	0	0
	265	108 HS	Q		A @	100	0	10.430S
	265	108 HS	Q		SF&	1	0	0
!265M		108 HS	Q		A @	100	0.3	10.730S
!265M		108 HS	Q		SF&	1	0.3	0
	266	108 HS	Q	0+	A @	100	0	10.336
266?		108 HS	Q	0+	SF<	1.4	0	0
	267	108 HS	Q		A #	80	0	9.978
	267	108 HS	Q		SF<	20	0	0
267M		108 HS	Q		A >	0	0	9.978
269?		108 HS	Q		A	100	0	9.315
270?		108 HS	Q	0+	A	100	0	9.3
	271	108 HS	N		A ?		0	9.44
	271	108 HS	N		SF?		0	9.44
	272	108 HS	N	0+	A ?		0	9.44
	272	108 HS	N	0+	SF?		0	9.44
	273	108 HS	N	(3/2+)	A ?		0	9.44
	274	108 HS	W	0+	A ?			
	274	108 HS	W	0+	SF?			
275?		108 HS	N		A		0	9.44
	276	108 HS	W	0+	A ?			
	276	108 HS	W	0+	SF?			
	265	109 MT	W		A ?			
266?		109 MT	Q		A &	100	0	10.996
	267	109 MT	W		A ?		0	0
268?		109 MT	Q		A	100	0	10.486
270?		109 MT	Q		A	100	0	10.18
	271	109 MT	N		A ?			
	272	109 MT	N		A ?			
	272	109 MT	N		SF?			

	273	109 MT	N		A ?			
	273	109 MT	N		SF?			
	274	109 MT	N		A ?			
	274	109 MT	N		SF?			
275?		109 MT	A		A		0	10.48
276?		109 MT	Q		A	100	0	9.85
	279	109 MT	W		A ?			
	279	109 MT	W		SF?			
267?		110 DS	Q		A	100	0	12.28
	268	110 DS	W	0+	A?			
269?		110 DS	Q		A	100	0	11.58
	270	110 DS	Q	0+	A	100	0	11.2
	270	110 DS	Q	0+	SF<	0.2	0	0
270M		110 DS	Q		A >	70	1.13	12.33
270M		110 DS	Q		IT&	30	1.13	11.13
	271	110 DS	Q		A	100	0	10.899
271M		110 DS	Q		A >	0	0	10.899
271M		110 DS	Q		IT?		0	0
	272	110 DS	Q	0+	SF		0	0
	273	110 DS	Q		A	100	0	11.37
	274	110 DS	W	0+	A ?			
	274	110 DS	W	0+	SF?			
	275	110 DS	W		A ?			
	276	110 DS	W	0+	A ?			
	276	110 DS	W	0+	SF?			
	277	110 DS	W		A ?			
	278	110 DS	W	0+	A ?			
	278	110 DS	W	0+	SF?			
279?		110 DS	Q		SF	90	0	0
279M		110 DS	Q		A	10	0	9.84
281?		110 DS	Q		SF	100	0	0
272?		111 RG	Q		A	100	0	11.15
	273	111 RG	W		A ?			
274?		111 RG	W		A	100		
	275	111 RG	W		A ?			
	276	111 RG	W		A ?			
	276	111 RG	W		SF?			
	277	111 RG	W		A ?			
	277	111 RG	W		SF?			
	278	111 RG	W		A ?			
	278	111 RG	W		SF?			
279?		111 RG	Q		A	100	0	10.52
280?		111 RG	Q		A	100	0	9.87
	281	111 RG	W		A ?			
	281	111 RG	W		SF?			
	282	111 RG	W		A ?			
	282	111 RG	W		SF?			
	283	111 RG	W		A ?			
	283	111 RG	W		SF?			
	277	112	12 Q		A	100	0	11.594
	278	112	12 W	0+	A ?			
	278	112	12 W	0+	SF?			

	279	112	12 W		A ?			
	279	112	12 W		SF?			
	280	112	12 W	0+	A ?			
	280	112	12 W	0+	SF?			
282?		112	12 Q		SF	100	0	0
283?		112	12 Q		A #	99	0	9.67
283?		112	12 Q		SF&	1	0	0
284?		112	12 Q		SF	100	0	0
285?		112	12 Q		A	100	0	9.28
278?		113	13 Q		A	100	0	
283?		113	13 Q		A	100	0	
284?		113	13 Q		A	100	0	10.15
	285	113	13 W		A ?			
	285	113	13 W		SF?			
	286	113	13 W		A ?			
	286	113	13 W		SF?			
	287	113	13 W		A ?			
	287	113	13 W		SF?			
286?		114	14 Q		SF	60	0	0
286?		114	14 Q		A	40	0	10.7
287?		114	14 Q		A	100	0	10.16
288?		114	14 Q		A	100	0	10.08
289?		114	14 Q		A	100	0	9.96
287?		115	15 W		A	100		
288?		115	15 W		A	100		
	289	115	15 W		A ?			
	289	115	15 W		SF?			
	290	115	15 W		A ?			
	290	115	15 W		SF?			
	291	115	15 W		A ?			
	291	115	15 W		SF?			
	290	116	16 Q	0+	A	100	0	11
	291	116	16 Q		A	100	0	
292?		116	16 Q	0+	A	100	0	10.8
293?		116	16 Q		A	100	0	10.69
	291	117	17 W		A ?			
	291	117	17 W		SF?			
	292	117	17 W		A ?			
	292	117	17 W		SF?			
294?		118	18 Q	0+	A >	0	0	10.69
294?		118	18 Q	0+	SF?		0	10.69

half life		Mass Exc			half life (sec)
10.24 M 2		8.0713		0 work05	6.14E+02
STABLE	99.985% 1	7.289		0 941006	0.00E+00
STABLE	0.015% 1	13.1357		0 200309	0.00E+00
12.32 Y 2		14.9498		0 200007	3.89E+08
4.6 MEV 9		25.9015	0.1033	NUBASE	1.03E-22
5.7 MEV 21		32.8924	0.1	NUBASE	8.33E-23
1.6 MEV 4		41.8638	0.2649	200212	2.97E-22
29E-23 Y 7		49.135	1.0050	S 03KO11	9.15E-15
STABLE	0.000137%	14.9312		0 870312	0.00E+00
STABLE	99.999863'	2.4249		0 199807	0.00E+00
0.60 MEV 2		11.3862	0.05	840808	7.91E-22
0.60 MEV 2		11.3862	0.05	840808	7.91E-22
806.7 MS 15		17.5951	0.0008	200212	8.07E-01
150 KEV 20		26.101	0.0167	200302	3.16E-21
119.0 MS 15		31.598	0.0069	199902	1.19E-01
119.0 MS 15		31.598	0.0069	199902	1.19E-01
65 KEV 37		40.9394	0.0294	199902	7.30E-21
0.17 MEV 11		48.8092	0.07	971209	2.79E-21
unstable		28.667	2.0000	S	0.00E+00
6.03 MEV		25.3232	0.2121	980707	7.87E-23
1.5 MEV AP		11.6789	0.05	840808	3.16E-22
1.5 MEV AP		11.6789	0.05	840808	3.16E-22
STABLE	7.59% 4	14.0868		0 200212	0.00E+00
STABLE	92.41% 4	14.9081	0.0001	200302	0.00E+00
838 MS 6		20.9468	0.0001	199902	8.38E-01
838 MS 6		20.9468	0.0001	199902	8.38E-01
178.3 MS 4		24.9543	0.0019	199902	1.78E-01
178.3 MS 4		24.9543	0.0019	199902	1.78E-01
1.2 MEV 3		33.0506	0.0151	199902	3.96E-22
8.59 MS 14		40.7973	0.0193	200006	8.59E-03
8.59 MS 14		40.7973	0.0193	920826	8.59E-03
8.59 MS 14		40.7973	0.0193	920826	8.59E-03
10 NS LT		50.096	0.9970	S NUBASE	1.00E-08
?		37.996	3.9960	S 840808	0.00E+00
92 KEV 6		18.3749	0.0054	200212	5.16E-21
92 KEV 6		18.3749	0.0054	200212	5.16E-21
53.22 D 6		15.77	0.0001	200302	4.60E+06
6.8 EV 17		4.9417	0	199902	6.98E-17
STABLE	100%	11.3476	0.0004	199902	0.00E+00
1.51E+6 Y 6		12.6067	0.0004	199902	4.77E+13
13.81 S 8		20.1741	0.0064	200006	1.38E+01
13.81 S 8		20.1741	0.0064	199208	1.38E+01
21.49 MS 3		25.0765	0.015	02BE53	2.15E-02
21.49 MS 3		25.0765	0.015	02BE53	2.15E-02
2.7E-21 S 18		33.2478	0.0716	200006	2.70E-21
4.84 MS 10		39.9545	0.1322	02AO03	4.84E-03
4.84 MS 10		39.9545	0.1322	02AO03	4.84E-03
4.84 MS 10		39.9545	0.1322	02AO03	4.84E-03
200 NS LT		49.798	0.5030	S NUBASE	2.00E-07
200 NS LT		57.678	0.5030	S NUBASE	2.00E-07
unstable		43.603	0.6990	S	0.00E+00

1.4 MEV 2		27.8683	0.0707	200302	3.39E-22
1.4 MEV 2		27.8683	0.0707	200302	3.39E-22
770 MS 3		22.9215	0.001	199902	7.70E-01
770 MS 3		22.9215	0.001	199902	7.70E-01
0.54 KEV 21		12.4157	0.001	199902	8.79E-19
0.54 KEV 21		12.4157	0.001	199902	8.79E-19
STABLE	19.8% 3	12.0507	0.0004	199902	0.00E+00
STABLE	80.2% 3	8.6679	0.0004	200006	0.00E+00
20.20 MS 2		13.3689	0.0014	200006	2.02E-02
20.20 MS 2		13.3689	0.0014	199208	2.02E-02
17.33 MS 17		16.5622	0.0011	200006	1.73E-02
12.5 MS 5		23.6637	0.0212	200110	1.25E-02
12.5 MS 5		23.6637	0.0212	95RE	1.25E-02
9.93 MS 7		28.9723	0.0224	200204	9.93E-03
9.93 MS 7		28.9723	0.0224	95RE	9.93E-03
9.93 MS 7		28.9723	0.0224	95RE	9.93E-03
190 PS LT		37.0817	0.06	199902	1.90E-10
5.08 MS 5		43.7708	0.1709	199902	5.08E-03
5.08 MS 5		43.7708	0.1709	990203	5.08E-03
5.08 MS 5		43.7708	0.1709	990203	5.08E-03
5.08 MS 5		43.7708	0.1709	990203	5.08E-03
5.08 MS 5		43.7708	0.1709	990203	5.08E-03
26 NS LT		52.322	0.8010 S	NUBASE	2.60E-08
2.92 MS 13		59.364	0.4010 S	03Yo02	2.92E-03
2.92 MS 13		59.364	0.4010 S	03Yo02	2.92E-03
2.92 MS 13		59.364	0.4010 S	03Yo02	2.92E-03
230 KEV 50		35.0941	0.0231	199902	2.06E-21
230 KEV 50		35.0941	0.0231	199902	2.06E-21
126.5 MS 9		28.9105	0.0021	199902	1.27E-01
126.5 MS 9		28.9105	0.0021	199902	1.27E-01
126.5 MS 9		28.9105	0.0021	199902	1.27E-01
19.26 S 5		15.6987	0.0004	199902	1.93E+01
20.334 M 24		10.6503	0.001	02wo02	1.22E+03
STABLE	98.89% 1	0	0	200006	0.00E+00
STABLE	1.11% 1	3.125	0	200107	0.00E+00
5700 Y 30		3.0199	0	200110	1.80E+11
2.449 S 5		9.8731	0.0008	200204	2.45E+00
0.747 S 8		13.6941	0.0036	199902	7.47E-01
0.747 S 8		13.6941	0.0036	199902	7.47E-01
193 MS 13		21.0388	0.0174	199902	1.93E-01
193 MS 13		21.0388	0.0174	199902	1.93E-01
92 MS 2		24.9262	0.03	199607	9.20E-02
92 MS 2		24.9262	0.03	199607	9.20E-02
49 MS 4		32.4207	0.0984	90MU06	4.90E-02
49 MS 4		32.4207	0.0984	90MU06	4.90E-02
14 MS +6-5		37.5576	0.2392	199810	1.40E-02
14 MS +6-5		37.5576	0.2392	199810	1.40E-02
30 NS LT		45.96	0.5030 S	NUBASE	3.00E-08
6.1 MS +14-12		53.281	0.9040 S	Work04	6.10E-03
6.1 MS +14-12		53.281	0.9040 S	Work04	6.10E-03
6.1 MS +14-12		53.281	0.9040 S	Work04	6.10E-03
20E-23 Y 14		38.8001	0.4	02LE16	6.31E-15

1.58 MEV +75-5	2	24.6236	0.0462	95FO	3.00E-22
11.000 MS 16		17.3381	0.001	200006	1.10E-02
9.965 M 4		5.3455	0.0003	200006	5.98E+02
STABLE	99.634% 2	2.8634	0	200110	0.00E+00
13.2 FS 21		11.3534	0	200110	1.32E-14
13.2 FS 21		11.3534	0	200110	1.32E-14
73 FS 12		11.8274	0	200110	7.30E-14
73 FS 12		11.8274	0	200110	7.30E-14
9 FS 4		11.9924	0	200110	9.00E-15
9 FS 4		11.9924	0	200110	9.00E-15
STABLE	0.366% 20	0.1014	0	200204	0.00E+00
12 FS 6		10.7946	0	200204	1.20E-14
12 FS 6		10.7946	0	200204	1.20E-14
7.13 S 2		5.6837	0.0026	199902	7.13E+00
7.13 S 2		5.6837	0.0026	199902	7.13E+00
4.173 S 4		7.8714	0.015	199902	4.17E+00
4.173 S 4		7.8714	0.015	199902	4.17E+00
624 MS 12		13.1145	0.0186	199607	6.24E-01
624 MS 12		13.1145	0.0186	199607	6.24E-01
624 MS 12		13.1145	0.0186	199607	6.24E-01
271 MS 8		15.8621	0.0164	199611	2.71E-01
271 MS 8		15.8621	0.0164	199611	2.71E-01
130 MS 7		21.7651	0.0556	199807	1.30E-01
130 MS 7		21.7651	0.0556	199807	1.30E-01
85 MS 7		25.2512	0.095	200412	8.50E-02
85 MS 7		25.2512	0.095	200412	8.50E-02
18 MS 4		32.0387	0.1922	Work04	1.80E-02
18 MS 4		32.0387	0.1922	Work04	1.80E-02
18 MS 4		32.0387	0.1922	Work04	1.80E-02
14.1 MS +12-15		38.396	0.2980	S 03YO02	1.41E-02
14.1 MS +12-15		38.396	0.2980	S 03YO02	1.41E-02
14.1 MS +12-15		38.396	0.2980	S 03YO02	1.41E-02
52 NS LT		47.543	0.4010	S 200004	5.20E-08
260 NS LT		56.504	0.5030	S NUBASE	2.60E-07
0.40 MEV 25		32.048	0.0185	200006	1.19E-21
8.58 MS 5		23.1124	0.0095	200006	8.58E-03
8.58 MS 5		23.1124	0.0095	200006	8.58E-03
70.641 S 20		8.0074	0.0001	04BA78	7.06E+01
122.24 S 16		2.8556	0.0005	200204	1.22E+02
STABLE	99.762% 1	-4.737	0	199902	0.00E+00
STABLE	0.038% 1	-0.8088	0.0001	199902	0.00E+00
STABLE	0.200% 14	-0.7815	0.0006	960724	0.00E+00
26.88 S 5		3.3349	0.0028	199607	2.69E+01
13.51 S 5		3.7975	0.0011	199807	1.35E+01
3.42 S 10		8.0629	0.012	200412	3.42E+00
2.25 S 15		9.2842	0.0569	Work04	2.25E+00
2.25 S 15		9.2842	0.0569	Work04	2.25E+00
82 MS 37		14.613	0.1219	200004	8.20E-02
82 MS 37		14.613	0.1219	200004	8.20E-02
65 MS 5		19.0704	0.2362	200004	6.50E-02
65 MS 5		19.0704	0.2362	200004	6.50E-02
50 NS LT		27.442	0.2570	S 200004	5.00E-08

40 NS LT		35.713	0.2570	S	NUBASE	4.00E-08
260 NS LT		44.954	0.5030	S	NUBASE	2.60E-07
100 NS LT		53.85	0.5960	S	NUBASE	1.00E-07
?		32.658	0.4010	S		0.00E+00
1.0 MEV 2		16.7754	0.1338		200204	4.75E-22
40 KEV 20		10.6803	0.0083		199902	1.19E-20
64.49 S 16		1.9517	0.0002		199902	6.45E+01
1.8291 H 4		0.8737	0.0005		04SC04	6.58E+03
STABLE	100%	-1.4874	0.0001		960724	0.00E+00
11.07 S 6		-0.0174	0.0001		199808	1.11E+01
4.158 S 20		-0.0476	0.0018		200412	4.16E+00
4.23 S 4		2.7934	0.0124		Work04	4.23E+00
4.23 S 4		2.7934	0.0124		Work04	4.23E+00
2.23 S 14		3.3297	0.0795		200004	2.23E+00
400 MS 50		7.5595	0.0723		200004	4.00E-01
400 MS 50		7.5595	0.0723		200004	4.00E-01
50 MS 6		11.2727	0.0982		200004	5.00E-02
50 MS 6		11.2727	0.0982		200004	5.00E-02
9.6 MS 8		18.2718	0.1666		200004	9.60E-03
9.6 MS 8		18.2718	0.1666		200004	9.60E-03
5.0 MS 2		24.9269	0.3767		200103	5.00E-03
5.0 MS 2		24.9269	0.3767		200103	5.00E-03
40 NS LT		33.226	0.5120	S	200103	4.00E-08
2.5 MS 4		40.296	0.5780	S	200103	2.50E-03
2.5 MS 4		40.296	0.5780	S	200103	2.50E-03
2.5 MS 4		40.296	0.5780	S	200103	2.50E-03
260 NS LT		48.903	0.5960	S	NUBASE	2.60E-07
260 NS GT		56.289	0.5970	S	99SA06	2.60E-07
260 NS GT		56.289	0.5970	S	99SA06	2.60E-07
122 KEV 37		23.9965	0.0205		199902	3.89E-21
109.2 MS 6		16.4609	0.027		199902	1.09E-01
109.2 MS 6		16.4609	0.027		199902	1.09E-01
109.2 MS 6		16.4609	0.027		199902	1.09E-01
1672 MS 8		5.3172	0.0003		199607	1.67E+00
17.22 S 2		1.7514	0.0003		199607	1.72E+01
STABLE	90.48% 3	-7.0419	0		199902	0.00E+00
STABLE	0.27% 1	-5.7318	0		200412	0.00E+00
STABLE	9.25% 3	-8.0247	0		Work04	0.00E+00
37.24 S 12		-5.154	0.0001		200004	3.72E+01
3.38 M 2		-5.9515	0.0004		200004	2.03E+02
602 MS 8		-2.1081	0.0256		200004	6.02E-01
192 MS 6		0.4296	0.0268		04WE11	1.92E-01
192 MS 6		0.4296	0.0268		04WE11	1.92E-01
32 MS 2		7.0699	0.1104		200103	3.20E-02
32 MS 2		7.0699	0.1104		200103	3.20E-02
19 MS 3		11.2446	0.1467		200103	1.90E-02
19 MS 3		11.2446	0.1467		200103	1.90E-02
15.6 MS 5		18.0579	0.2687		200103	1.56E-02
15.6 MS 5		18.0579	0.2687		200103	1.56E-02
15.6 MS 5		18.0579	0.2687		200103	1.56E-02
5.8 MS 2		23.102	0.5707		200103	5.80E-03
5.8 MS 2		23.102	0.5707		200103	5.80E-03

3.4 MS 8		30.842	0.9040 S	200103	3.40E-03
3.5 MS 9		37.278	0.8010 S	200103	3.50E-03
260 NS LT		45.997	0.8010 S	02NO11	2.60E-07
1.5 US GT		53.121	0.8070 S	NUBASE	1.50E-06
1.5 US GT		53.121	0.8070 S	NUBASE	1.50E-06
1.3E-21 S 4		24.19	0.0503	NUBASE	1.30E-21
1.3E-21 S 4		24.19	0.0503	NUBASE	1.30E-21
40 NS LT		12.9268	0.012	NUBASE	4.00E-08
447.9 MS 23		6.8477	0.0067	199810	4.48E-01
447.9 MS 23		6.8477	0.0067	199810	4.48E-01
22.49 S 4		-2.1842	0.0007	200412	2.25E+01
2.6027 Y 10		-5.1824	0.0004	Work04	8.21E+07
STABLE	100%	-9.5299	0	200005	0.00E+00
14.951 H 3		-8.4181	0.0001	04un01	5.38E+04
20.20 MS 7		-7.9459	0.0001	200004	2.02E-02
20.20 MS 7		-7.9459	0.0001	200004	2.02E-02
59.1 S 6		-9.3578	0.0012	200004	5.91E+01
1.077 S 5		-6.8623	0.0058	200004	1.08E+00
301 MS 6		-5.5174	0.0035	200103	3.01E-01
301 MS 6		-5.5174	0.0035	200103	3.01E-01
30.5 MS 4		-0.9892	0.013	200103	3.05E-02
30.5 MS 4		-0.9892	0.013	200103	3.05E-02
44.9 MS 12		2.665	0.013	200103	4.49E-02
44.9 MS 12		2.665	0.013	200103	4.49E-02
48 MS 2		8.3611	0.0251	200103	4.80E-02
48 MS 2		8.3611	0.0251	200103	4.80E-02
48 MS 2		8.3611	0.0251	200103	4.80E-02
48 MS 2		8.3611	0.0251	200103	4.80E-02
17.0 MS 4		12.6548	0.2113	200103	1.70E-02
17.0 MS 4		12.6548	0.2113	200103	1.70E-02
17.0 MS 4		12.6548	0.2113	200103	1.70E-02
13.2 MS 4		19.0645	0.3562	200103	1.32E-02
13.2 MS 4		19.0645	0.3562	200103	1.32E-02
13.2 MS 4		19.0645	0.3562	200103	1.32E-02
8.1 MS 4		24.8893	0.875	02RA16	8.10E-03
8.1 MS 4		24.8893	0.875	02RA16	8.10E-03
8.1 MS 4		24.8893	0.875	02RA16	8.10E-03
5.5 MS 10		32.761	0.8980 S	200103	5.50E-03
5.5 MS 10		32.761	0.8980 S	200103	5.50E-03
5.5 MS 10		32.761	0.8980 S	200103	5.50E-03
1.5 MS 5		39.582	0.9460 S	200103	1.50E-03
1.5 MS 5		39.582	0.9460 S	200103	1.50E-03
260 NS LT		47.953	0.9520 S	02NO11	2.60E-07
1.5 US GT		55.275	0.9580 S	NUBASE	1.50E-06
1.5 US GT		55.275	0.9580 S	NUBASE	1.50E-06
?		33.0401	0.2515		0.00E+00
90.8 MS 24		17.5703	0.027	199810	9.08E-02
90.8 MS 24		17.5703	0.027	199810	9.08E-02
122 MS 3		10.9105	0.0164	200412	1.22E-01
122 MS 3		10.9105	0.0164	200412	1.22E-01
122 MS 3		10.9105	0.0164	200412	1.22E-01
3.8755 S 12		-0.397	0.0013	Work04	3.88E+00

11.317 S 11		-5.4738	0.0013	200004	1.13E+01
STABLE	78.99% 4	13.9336	0	200004	0.00E+00
STABLE	10.00% 1	13.1928	0	200004	0.00E+00
STABLE	11.01% 3	16.2146	0	200004	0.00E+00
9.458 M 12	-	14.5867	0	200103	5.67E+02
20.915 H 9	-	15.0186	0.002	200103	7.53E+04
1.30 S 12	-	10.619	0.014	200103	1.30E+00
335 MS 17		-8.9107	0.0084	200103	3.35E-01
230 MS 20		-3.2174	0.0121	200103	2.30E-01
230 MS 20		-3.2174	0.0121	200103	2.30E-01
86 MS 5		-0.9548	0.0177	04GR08	8.60E-02
86 MS 5		-0.9548	0.0177	04GR08	8.60E-02
90.5 MS 16		4.8941	0.0196	02MO29	9.05E-02
90.5 MS 16		4.8941	0.0196	02MO29	9.05E-02
20 MS 10		8.8086	0.2314	200103	2.00E-02
20 MS 10		8.8086	0.2314	200103	2.00E-02
70 MS 40		16.152	0.4010 S	200103	7.00E-02
70 MS 40		16.152	0.4010 S	200103	7.00E-02
3.9 MS 13		21.424	0.5030 S	04GR20	3.90E-03
260 NS GT		29.249	0.9040 S	200103	2.60E-07
260 NS GT		29.249	0.9040 S	200103	2.60E-07
260 NS GT		34.996	0.5030 S	200103	2.60E-07
260 NS GT		43.568	0.5130 S	02NO11	2.60E-07
1 MS SY		50.235	0.9040 S	NUBASE	1.00E-03
1 MS SY		50.235	0.9040 S	NUBASE	1.00E-03
35 NS LT		26.119	0.2980 S	200412	3.50E-08
59 MS 3		18.183	0.0930 S	Work04	5.90E-02
59 MS 3		18.183	0.0930 S	Work04	5.90E-02
59 MS 3		18.183	0.0930 S	Work04	5.90E-02
59 MS 3		18.183	0.0930 S	Work04	5.90E-02
0.47 S 3		6.7696	0.0186	200004	4.70E-01
0.47 S 3		6.7696	0.0186	200004	4.70E-01
2.053 S 4		-0.0569	0.0028	200004	2.05E+00
2.053 S 4		-0.0569	0.0028	200004	2.05E+00
2.053 S 4		-0.0569	0.0028	200004	2.05E+00
131.3 MS 25		0.3689	0.0028	200004	1.31E-01
131.3 MS 25		0.3689	0.0028	200004	1.31E-01
131.3 MS 25		0.3689	0.0028	200004	1.31E-01
7.183 S 12		-8.9162	0.0005	200004	7.18E+00
7.17E+5 Y 24	-	12.2103	0.0001	200004	2.26E+13
6.3452 S 19	-	11.982	0.0001	200004	6.35E+00
STABLE	-100%	17.1967	0.0001	200103	0.00E+00
2.2414 M 12	-	16.8504	0.0001	200103	1.34E+02
6.56 M 6	-	18.2153	0.0012	200103	3.94E+02
3.60 S 6	-	15.8724	0.014	200103	3.60E+00
644 MS 25	-	14.9536	0.0203	200103	6.44E-01
33 MS 4	-	11.062	0.0859	200103	3.30E-02
41.7 MS 2		-8.5294	0.0727	02MO29	4.17E-02
41.7 MS 2		-8.5294	0.0727	02MO29	4.17E-02
42 MS 6		-2.9325	0.113	200103	4.20E-02
42 MS 6		-2.9325	0.113	200103	4.20E-02
38.6 MS 4		-0.1302	0.1751	02NU02	3.86E-02

38.6 MS 4		-0.1302	0.1751	02NU02	3.86E-02
90 MS 40		5.782	0.2147	200103	9.00E-02
90 MS 40		5.782	0.2147	200103	9.00E-02
10.7 MS 13		9.9463	0.331	04GR20	1.07E-02
7.6 MS 6		16.0506	0.7305	04GR20	7.60E-03
7.6 MS 16		21.3964	1.4718	04GR20	7.60E-03
260 NS GT		29.295	0.6990	S 200408	2.60E-07
260 NS GT		29.295	0.6990	S 200408	2.60E-07
260 NS GT		35.704	0.8010	S 200201	2.60E-07
1 MS SY		43.678	0.9040	S NUBASE	1.00E-03
1 MS SY		43.678	0.9040	S NUBASE	1.00E-03
29 MS 2		32.164	0.2000	S Work04	2.90E-02
29 MS 2		32.164	0.2000	S Work04	2.90E-02
42.3 MS 4		23.772	0.1960	S 200004	4.23E-02
42.3 MS 4		23.772	0.1960	S 200004	4.23E-02
42.3 MS 4		23.772	0.1960	S 200004	4.23E-02
140 MS 8		10.7547	0.0195	200004	1.40E-01
140 MS 8		10.7547	0.0195	200004	1.40E-01
220 MS 3		3.8243	0.01	04TH09	2.20E-01
220 MS 3		3.8243	0.01	04TH09	2.20E-01
2.234 S 13		-7.1446	0.003	200004	2.23E+00
4.16 S 2	-	12.3843	0.0002	200103	4.16E+00
STABLE	92.230% 1	21.4928	0	200103	0.00E+00
STABLE	4.683% 8	21.895	0	200103	0.00E+00
STABLE	3.087% 5	24.4329	0	200103	0.00E+00
157.3 M 3	-	22.949	0	200103	9.44E+03
132 Y 13	-	24.0809	0	200103	4.17E+09
6.18 S 18	-	20.4927	0.0158	200103	6.18E+00
2.77 S 20	-	19.9568	0.0141	200103	2.77E+00
0.78 S 12	-	14.3603	0.0384	200103	7.80E-01
0.45 S 6	-	12.4825	0.1235	200103	4.50E-01
0.45 S 6	-	12.4825	0.1235	200103	4.50E-01
90 MS 60		-6.58	0.1687	200103	9.00E-02
90 MS 60		-6.58	0.1687	200103	9.00E-02
1 US GT		-4.0673	0.1375	200103	1.00E-06
1 US GT		-4.0673	0.1375	200103	1.00E-06
47.5 MS 20		1.9282	0.338	04GR28	4.75E-02
33.0 MS 10		5.4671	0.556	200408	3.30E-02
33.0 MS 10		5.4671	0.556	200408	3.30E-02
20.0 MS 25		13.5626	1.8444	04GR28	2.00E-02
13 MS 4		18.434	0.5030	S 04GR28	1.30E-02
260 NS GT		26.697	0.6990	S NUBASE	2.60E-07
260 NS GT		26.697	0.6990	S NUBASE	2.60E-07
10 MS SY		32.844	0.8010	S NUBASE	1.00E-02
10 MS SY		32.844	0.8010	S NUBASE	1.00E-02
?		31.997	0.5030	S	0.00E+00
?		31.997	0.5030	S	0.00E+00
30 NS LT		18.872	0.1960	S 200004	3.00E-08
43.7 MS 6		10.973	0.1960	S 04TH09	4.37E-02
43.7 MS 6		10.973	0.1960	S 04TH09	4.37E-02
260 MS 80		-0.717	0.0263	200103	2.60E-01
260 MS 80		-0.717	0.0263	200103	2.60E-01

270.3 MS 5		-7.1588	0.0033	200103	2.70E-01
270.3 MS 5		-7.1588	0.0033	200103	2.70E-01
270.3 MS 5		-7.1588	0.0033	200103	2.70E-01
4.142 S 15	-	16.9526	0.0006	200103	4.14E+00
2.498 M 4	-	20.2006	0.0003	200103	1.50E+02
STABLE	-100%	24.4409	0.0002	200103	0.00E+00
14.262 D 14	-	24.3052	0.0002	200103	1.23E+06
25.34 D 12	-	26.3375	0.0011	200103	2.19E+06
12.43 S 8	-	24.5577	0.005	200103	1.24E+01
47.3 S 7	-	24.8577	0.0019	200103	4.73E+01
5.6 S 3	-	20.251	0.0131	200103	5.60E+00
2.31 S 13	-	18.9941	0.0379	200103	2.31E+00
0.64 S 14	-	14.7578	0.1034	200103	6.40E-01
0.64 S 14	-	14.7578	0.1034	200103	6.40E-01
0.25 S 8	-	12.8737	0.1034	04GR20	2.50E-01
0.25 S 8	-	12.8737	0.1034	04GR20	2.50E-01
125 MS 25		-8.1068	0.1391	04GR20	1.25E-01
125 MS 25		-8.1068	0.1391	04GR20	1.25E-01
100 MS 5		-5.2765	0.2162	04GR20	1.00E-01
100 MS 5		-5.2765	0.2162	04GR20	1.00E-01
48.5 MS 15		0.9389	0.4468	04GR20	4.85E-02
48.5 MS 15		0.9389	0.4468	04GR20	4.85E-02
36.5 MS 15		5.7659	0.9688	04GR20	3.65E-02
36.5 MS 15		5.7659	0.9688	04GR20	3.65E-02
18.5 MS 25		12.1	0.6990	S 04GR20	1.85E-02
200 NS GT		17.903	0.8010	S 90LE03	2.00E-07
200 NS GT		25.504	0.9040	S 200011	2.00E-07
10 MS AP		25.97	0.2980	S NUBASE	1.00E-02
15.5 MS 15		17.543	0.2020	S 01CA60	1.55E-02
15.5 MS 15		17.543	0.2020	S 01CA60	1.55E-02
15.5 MS 15		17.543	0.2020	S 01CA60	1.55E-02
125 MS 10		4.0732	0.16	200103	1.25E-01
125 MS 10		4.0732	0.16	200103	1.25E-01
187 MS 4		-3.1596	0.05	200103	1.87E-01
187 MS 4		-3.1596	0.05	200103	1.87E-01
1.178 S 5	-	14.0625	0.003	200103	1.18E+00
2.572 S 13	-	19.0446	0.0015	200103	2.57E+00
STABLE	95.02% 9	26.0157	0.0001	200404	0.00E+00
STABLE	0.75% 1	26.586	0.0001	200103	0.00E+00
STABLE	4.21% 8	29.9318	0.0001	200103	0.00E+00
87.51 D 12	-	28.8464	0.0001	200103	7.56E+06
STABLE	0.02% 1	30.6641	0.0002	200103	0.00E+00
5.05 M 2	-	26.8964	0.0002	200103	3.03E+02
170.3 M 7	-	26.8612	0.0072	200103	1.02E+04
11.5 S 5	-	23.1622	0.05	200103	1.15E+01
8.8 S 22	-	22.8666	0.1413	200408	8.80E+00
1.99 S 5	-	19.0191	0.1183	200201	1.99E+00
1.99 S 5	-	19.0191	0.1183	200201	1.99E+00
1.013 S 15	-	17.6775	0.1242	200103	1.01E+00
0.28 S 3	-	11.9652	0.202	04GR20	2.80E-01
0.28 S 3	-	11.9652	0.202	04GR20	2.80E-01
100 MS 1		-9.1162	0.3945	04GR20	1.00E-01

100 MS 1		-9.1162	0.3945	04GR20	1.00E-01
68 MS 2		-3.2527	1.7424	04GR20	6.80E-02
68 MS 2		-3.2527	1.7424	04GR20	6.80E-02
50 MS 8		0.699	0.6990	S 04GR20	5.00E-02
200 NS GT		8.002	0.8010	S 89GU03	2.00E-07
200 NS GE		13.199	0.9040	S Work04	2.00E-07
200 NS LT		22.001	0.9520	S 971209	2.00E-07
?		26.557	0.5030	S	0.00E+00
20 NS LT		13.143	0.1960	S 200103	2.00E-08
30 NS LT		4.443	0.1960	S 200103	3.00E-08
150 MS 25		-7.0672	0.05	200103	1.50E-01
150 MS 25		-7.0672	0.05	200103	1.50E-01
298 MS 1	-	13.3298	0.0066	200103	2.98E-01
298 MS 1	-	13.3298	0.0066	200103	2.98E-01
298 MS 1	-	13.3298	0.0066	200103	2.98E-01
2.511 S 3	-	21.0034	0.0005	200103	2.51E+00
1.5264 S 14	-	24.4398	0.0002	200103	1.53E+00
32.00 M 4	-	24.2934	0.0002	200103	1.92E+03
32.00 M 4	-	24.2934	0.0002	200103	1.92E+03
STABLE	75.77% 4	29.0135	0	200103	0.00E+00
3.01E+5 Y 2	-	29.5219	0.0001	200103	9.50E+12
3.01E+5 Y 2	-	29.5219	0.0001	200103	9.50E+12
STABLE	24.23% 4	31.7615	0	200103	0.00E+00
37.24 M 5	-	29.7981	0.0001	200103	2.23E+03
715 MS 3	-	29.1267	0.0001	200103	7.15E-01
55.6 M 2	-	29.8002	0.0017	200103	3.34E+03
1.35 M 2	-	27.5578	0.0321	200408	8.10E+01
38.4 S 8	-	27.3072	0.0687	200201	3.84E+01
6.8 S 3	-	24.913	0.1438	200103	6.80E+00
3.07 S 7	-	24.1682	0.1574	200105	3.07E+00
0.56 S 11	-	20.2311	0.108	199910	5.60E-01
0.56 S 11	-	20.2311	0.108	199910	5.60E-01
400 MS 43	-	18.3626	0.1238	199506	4.00E-01
400 MS 43	-	18.3626	0.1238	199506	4.00E-01
232 MS 2	-	14.7083	0.7173	04GR20	2.32E-01
232 MS 2	-	14.7083	0.7173	04GR20	2.32E-01
101 MS 6	-	10.517	0.5960	S 04GR20	1.01E-01
101 MS 6	-	10.517	0.5960	S 04GR20	1.01E-01
200 NS GE		-4.704	0.6990	S Work04	2.00E-07
170 NS GE		0.298	0.8010	S 199512	1.70E-07
20 MS SY		7.303	0.9040	S NUBASE	2.00E-02
200 NS GT		13.497	0.9970	S 971209	2.00E-07
20 NS LT		20.083	0.2980	S NUBASE	2.00E-08
15.1 MS 13		11.293	0.2060	S 200103	1.51E-02
15.1 MS 13		11.293	0.2060	S 200103	1.51E-02
15.1 MS 13		11.293	0.2060	S 200103	1.51E-02
98 MS 2		-2.2002	0.0018	200103	9.80E-02
98 MS 2		-2.2002	0.0018	200103	9.80E-02
173.0 MS 20		-9.3841	0.0004	200103	1.73E-01
173.0 MS 20		-9.3841	0.0004	200103	1.73E-01
844.5 MS 34	-	18.3772	0.0004	200103	8.45E-01
1.775 S 4	-	23.0474	0.0007	200103	1.77E+00

STABLE	0.3365% 3	30.2315	0	200106	0.00E+00
34.95 D 4	-	30.9477	0.0002	01RE07	3.02E+06
STABLE	0.0632% 5	34.7146	0.0003	200103	0.00E+00
269 Y 3	-	33.242	0.005	200103	8.49E+09
STABLE	99.6003% :	35.0399	0	200408	0.00E+00
109.61 M 4	-	33.0675	0.0003	200201	6.58E+03
32.9 Y 11	-	34.4227	0.0058	200103	1.04E+09
5.37 M 6	-	32.0098	0.0053	200105	3.22E+02
11.87 M 5	-	32.6731	0.0016	199910	7.12E+02
21.48 S 15	-	29.7706	0.0005	199506	2.15E+01
8.4 S 6	-	29.7201	0.0409	200011	8.40E+00
1.23 S 3	-	25.9078	0.1001	04WE09	1.23E+00
1.23 S 3	-	25.9078	0.1001	04WE09	1.23E+00
0.48 S 40	-	23.716	0.2980	S Work04	4.80E-01
170 NS GE	-	18.146	0.5030	S 199512	1.70E-07
170 NS GE	-	14.503	0.6990	S 199509	1.70E-07
200 NS GT	-	-7.797	0.6990	S 89GU03	2.00E-07
10 MS	-	-2.999	0.9040	S 200005	1.00E-02
3 MS SY	-	4.602	0.9970	S 199910	3.00E-03
3 MS SY	-	4.602	0.9970	S 199910	3.00E-03
?	-	20.418	0.5030	S	0.00E+00
25 NS LT	-	6.763	0.1960	S 200103	2.50E-08
25 NS LT	-	-1.481	0.2980	S 200103	2.50E-08
178 MS 8	-	11.1689	0.02	200103	1.78E-01
178 MS 8	-	11.1689	0.02	200103	1.78E-01
342 MS 2	-	17.4262	0.0078	200103	3.42E-01
342 MS 2	-	17.4262	0.0078	200103	3.42E-01
342 MS 2	-	17.4262	0.0078	200103	3.42E-01
1.226 S 7	-	24.8002	0.0001	200103	1.23E+00
7.636 M 18	-	28.8007	0.0004	200103	4.58E+02
924.2 MS 3	-	28.6703	0.0004	00BB01	9.24E-01
STABLE	93.2581% .	33.807	0.0002	200103	0.00E+00
1.248E+9 Y 3	0.0117% 1	33.5352	0.0002	200408	3.94E+16
1.248E+9 Y 3	-	33.5352	0.0002	200408	3.94E+16
STABLE	6.7302% 4	35.5591	0.0002	200201	0.00E+00
12.321 H 25	-	35.0216	0.0002	04un01	4.44E+04
22.3 H 1	-	36.5932	0.0089	200105	8.03E+04
22.13 M 19	-	35.8096	0.0358	199910	1.33E+03
17.3 M 6	-	36.6082	0.0103	950622	1.04E+03
105 S 10	-	35.4183	0.0155	200011	1.05E+02
17.50 S 24	-	35.6963	0.008	199503	1.75E+01
6.8 S 2	-	32.1239	0.0241	Work04	6.80E+00
6.8 S 2	-	32.1239	0.0241	Work04	6.80E+00
1.26 S 5	-	30.3193	0.0701	199512	1.26E+00
1.26 S 5	-	30.3193	0.0701	199512	1.26E+00
472 MS 4	-	25.3521	0.2784	199509	4.72E-01
472 MS 4	-	25.3521	0.2784	199509	4.72E-01
365 MS 5	-	22.002	0.5030	S 970617	3.65E-01
365 MS 5	-	22.002	0.5030	S 970617	3.65E-01
105 MS 5	-	16.199	0.6990	S 200005	1.05E-01
105 MS 5	-	16.199	0.6990	S 200005	1.05E-01
105 MS 5	-	16.199	0.6990	S 200005	1.05E-01

30 MS 5	-	11.998	0.6990	S	199910	3.00E-02
30 MS 5	-	11.998	0.6990	S	199910	3.00E-02
30 MS 5	-	11.998	0.6990	S	199910	3.00E-02
10 MS 5	-	-5.403	0.9040	S	200107	1.00E-02
10 MS 5	-	-5.403	0.9040	S	200107	1.00E-02
3 MS SY	-	-0.27	0.9970	S	NUBASE	3.00E-03
3 MS SY	-	-0.27	0.9970	S	NUBASE	3.00E-03
35 NS LT	-	13.153	0.2980	S	200103	3.50E-08
25.7 MS 2	-	4.602	0.1960	S	200103	2.57E-02
25.7 MS 2	-	4.602	0.1960	S	200103	2.57E-02
25.7 MS 2	-	4.602	0.1960	S	200103	2.57E-02
102 MS 2	-	-6.4394	0.04		200103	1.02E-01
102 MS 2	-	-6.4394	0.04		200103	1.02E-01
181.1 MS 10	-	13.1618	0.0224		200103	1.81E-01
181.1 MS 10	-	13.1618	0.0224		200103	1.81E-01
440 MS 8	-	22.0592	0.0046		200103	4.40E-01
859.6 MS 14	-	27.2744	0.0019		200103	8.60E-01
3.0E+21 Y GT	96.94% 16	34.8463	0.0002		200408	9.47E+28
1.02E+5 Y 7	-	35.1378	0.0002		200201	3.22E+12
STABLE	0.647% 23	38.5471	0.0002		200103	0.00E+00
STABLE	0.135% 10	38.4086	0.0003		200105	0.00E+00
STABLE	2.09% 11	41.4685	0.0004		199910	0.00E+00
162.61 D 9	-	40.812	0.0004		950622	1.40E+07
0.28E+16 Y GT	0.004% 3	43.1351	0.0023	98BE18		8.84E+22
4.536 D 3	-	42.3401	0.0023	950315		3.92E+05
2.3E19 Y +12-6	0.187% 21	44.2141	0.0041	04OG01		7.26E+26
2.3E19 Y +12-6	-	44.2141	0.0041	Work04		7.26E+26
8.718 M 6	-	41.2893	0.0041	951212		5.23E+02
13.9 S 6	-	39.5708	0.0093	950530		1.39E+01
10.0 S 8	-	35.8633	0.0938	970617		1.00E+01
10.0 S 8	-	35.8633	0.0938	970617		1.00E+01
4.6 S 3	-	32.5091	0.6986	200005		4.60E+00
4.6 S 3	-	32.5091	0.6986	200005		4.60E+00
90 MS 15	-	27.898	0.5030	S	199910	9.00E-02
90 MS 15	-	27.898	0.5030	S	199910	9.00E-02
300 NS GT	-	23.893	0.6990	S	200107	3.00E-07
300 NS GT	-	18.118	0.6990	S	NUBASE	3.00E-07
10 MS SY	-	13.441	0.9040	S	199904	1.00E-02
5 MS SY	-	-7.12	1.0000	S	NUBASE	5.00E-03
5 MS SY	-	-7.12	1.0000	S	NUBASE	5.00E-03
?	-	13.898	0.5030	S		0.00E+00
?	-	2.841	0.2980	S		0.00E+00
300 NS LT	-	-4.937	0.2980	S	200103	3.00E-07
300 NS LT	-	14.168	0.024		200103	3.00E-07
182.3 MS 7	-	20.5232	0.0028		200408	1.82E-01
182.3 MS 7	-	20.5232	0.0028		200408	1.82E-01
182.3 MS 7	-	20.5232	0.0028		200408	1.82E-01
596.3 MS 17	-	28.6424	0.0002		200201	5.96E-01
681.3 MS 7	-	32.1212	0.0003		200103	6.81E-01
61.7 S 4	-	31.5049	0.0003		200103	6.17E+01
3.891 H 12	-	36.1879	0.0019		200105	1.40E+04
438 US 7	-	36.0365	0.0019		200105	4.38E-04

3.97 H 4	-	37.8161	0.0018	199910	1.43E+04
58.61 H 10	-	37.5452	0.0018	199910	2.11E+05
58.61 H 10	-	37.5452	0.0018	199910	2.11E+05
STABLE	-100%	41.0678	0.0008	950622	0.00E+00
318 MS 7	-	41.0558	0.0008	950622	3.18E-01
83.79 D 4	-	41.7571	0.0008	200011	7.24E+06
18.75 S 4	-	41.6146	0.0008	200011	1.88E+01
3.3492 D 6	-	44.3321	0.002	950315	2.89E+05
43.67 H 9	-	44.4961	0.0054	Work04	1.57E+05
57.2 M 2	-	46.5524	0.004	951212	3.43E+03
102.5 S 5	-	44.5369	0.0155	950530	1.03E+02
0.35 S 4	-	44.2799	0.0155	950530	3.50E-01
0.35 S 4	-	44.2799	0.0155	950530	3.50E-01
12.4 S 1	-	43.2182	0.0204	970617	1.24E+01
8.2 S 2	-	40.3565	0.1933	200005	8.20E+00
3 S GT	-	37.623	0.2980 S	98SO03	3.00E+00
3 S GT	-	37.623	0.2980 S	98SO03	3.00E+00
0.36 S 6	-	34.2188	0.3701	04Li75	3.60E-01
0.115 S 15	-	29.5806	0.7360 S	04Li75	1.15E-01
0.115 S 15	-	29.5806	0.7360 S	04Li75	1.15E-01
35 MS 5	-	25.271	0.6990 S	04Li75	3.50E-02
35 MS 5	-	25.271	0.6990 S	04Li75	3.50E-02
60 MS 7	-	25.271	0.6990 S	04Li75	6.00E-02
60 MS 7	-	25.271	0.6990 S	04Li75	6.00E-02
13 MS 4	-	20.688	0.6990 S	05GA01	1.30E-02
13 MS 4	-	20.688	0.6990 S	05GA01	1.30E-02
12 MS 5	-	15.174	0.8010 S	05GA01	1.20E-02
10 MS SY	-	10.042	0.9040 S	NUBASE	1.00E-02
10 MS SY	-	10.042	0.9040 S	NUBASE	1.00E-02
3 MS SY	-	-3.996	0.9040 S	NUBASE	3.00E-03
120 NS LT	-	9.101	0.2520 S	200103	1.20E-07
31 MS +6-4	-	1.5	0.2050 S	01GI02	3.10E-02
31 MS +6-4	-	1.5	0.2050 S	200103	3.10E-02
53.3 MS 15	-	-8.8503	0.16	200408	5.33E-02
53.3 MS 15	-	-8.8503	0.16	200408	5.33E-02
80.4 MS 9	-	15.7	0.1000 S	200201	8.04E-02
80.4 MS 9	-	15.7	0.1000 S	200201	8.04E-02
199 MS 6	-	25.1216	0.0055	200103	1.99E-01
509 MS 5	-	29.3211	0.0069	200105	5.09E-01
60.0 Y 11	-	37.5485	0.0007	199910	1.89E+09
184.8 M 5	-	39.0057	0.001	950622	1.11E+04
STABLE	8.25% 3	44.1234	0.0008	200011	0.00E+00
STABLE	7.44% 2	44.9324	0.0008	950315	0.00E+00
STABLE	73.72% 3	48.4877	0.0008	Work04	0.00E+00
STABLE	5.41% 2	48.5588	0.0008	951212	0.00E+00
STABLE	5.18% 2	51.4267	0.0008	950530	0.00E+00
5.76 M 1	-	49.7278	0.001	970617	3.46E+02
1.7 M 1	-	49.4648	0.0071	200005	1.02E+02
32.7 S 9	-	46.8288	0.1001	199910	3.27E+01
1.5 S 4	-	45.5944	0.1247	200107	1.50E+00
1.3 S 1	-	41.6703	0.1521	03MA56	1.30E+00
200 MS 5	-	38.9368	0.196	03MA56	2.00E-01

200 MS 5	-	38.9368	0.196	03MA56	2.00E-01
60 MS 16	-	33.5439	0.4554	NUB03	6.00E-02
60 MS 16	-	33.5439	0.4554	NUB03	6.00E-02
59 MS 9	-	30.767	0.6990	S 05GA01	5.90E-02
30 MS 3	-	25.216	0.6990	S 05GA01	3.00E-02
22 MS 2	-	21.648	0.8010	S 05GA01	2.20E-02
300 NS GT	-	15.649	0.9040	S NUBASE	3.00E-07
10 MS SY	-	11.653	0.9040	S NUBASE	1.00E-02
3 MS SY	-	-5.198	0.9970	S NUBASE	3.00E-03
3 MS SY	-	-5.198	0.9970	S NUBASE	3.00E-03
?		10.33	0.5030	S	0.00E+00
?		-0.205	0.2050	S	0.00E+00
55 NS LT		-8.169	0.1960	S 200103	5.50E-08
800 MS GT	-	18.024	0.2330	S 200105	8.00E-01
111 MS 7	-	24.1164	0.1211	199910	1.11E-01
111 MS 7	-	24.1164	0.1211	199910	1.11E-01
150 MS 3	-	24.1164	0.1211	199910	1.50E-01
547 MS 6	-	31.8796	0.017	950622	5.47E-01
422.50 MS 11	-	37.073	0.001	200011	4.23E-01
1.02 MS 7	-	36.2715	0.001	200011	1.02E-03
32.6 M 3	-	42.0021	0.0008	199503	1.96E+03
15.9735 D 25	-	44.4754	0.0026	Work04	1.38E+06
329 D 3	-	47.9569	0.0012	00ro05	2.84E+07
1.4E+17 Y 4	0.250% 2	49.2216	0.001	950530	4.42E+24
1.4E+17 Y 4	-	49.2216	0.001	950530	4.42E+24
STABLE	99.750% 2	52.2014	0.001	970626	0.00E+00
3.743 M 5	-	51.4413	0.001	200005	2.25E+02
1.60 M 4	-	51.8488	0.0032	199910	9.60E+01
49.8 S 5	-	49.891	0.015	200107	4.98E+01
6.54 S 15	-	49.1515	0.1	200108	6.54E+00
216 MS 4	-	46.0801	0.2043	03MA02	2.16E-01
216 MS 4	-	46.0801	0.2043	98AM04	2.16E-01
0.35 S 1	-	44.1887	0.233	03MA02	3.50E-01
0.35 S 1	-	44.1887	0.233	98AM04	3.50E-01
185 MS 10	-	40.2087	0.2479	03MA02	1.85E-01
75 MS 7	-	37.0666	0.3074	200204	7.50E-02
68 MS 5	-	32.5773	0.4747	03SO02	6.80E-02
40 MS 15	-	32.5773	0.4747	200311	4.00E-02
40 MS 15	-	32.5773	0.4747	200311	4.00E-02
122 MS 18	-	32.5773	0.4747	200311	1.22E-01
122 MS 18	-	32.5773	0.4747	200311	1.22E-01
47 MS 1	-	29.361	0.4010	S 05GA01	4.70E-02
33.5 MS 2	-	24.424	0.5030	S 03SO02	3.35E-02
17 MS 3	-	20.912	0.5960	S 03SO02	1.70E-02
150 NS GT	-	15.398	0.6990	S 971209	1.50E-07
10 MS SY	-	11.252	0.8010	S NUBASE	1.00E-02
10 MS SY	-	11.252	0.8010	S NUBASE	1.00E-02
13 MS +4-2		5.99	0.2980	S 01GI02	1.30E-02
21.6 MS 7		-2.133	0.2190	S 01GI02	2.16E-02
21.6 MS 7		-2.133	0.2190	S 200105	2.16E-02
21.6 MS 7		-2.133	0.2190	S 200105	2.16E-02
53 MS +4-3	-	13.461	0.0500	S 199910	5.30E-02

53 MS +4-3	-	13.461	0.0500	S	199910	5.30E-02
50 MS 6	-	18.9652	0.503		199506	5.00E-02
50 MS 6	-	18.9652	0.503		199506	5.00E-02
0.26 S 6	-	29.4737	0.02		200011	2.60E-01
500 MS 15	-	34.5584	0.014		950315	5.00E-01
21.56 H 3	-	42.8192	0.0074	Work04		7.76E+04
42.3 M 1	-	45.3305	0.0024	951212		2.54E+03
1.3E+18 Y GT	4.345% 13	50.2595	0.001	03BI05		4.10E+25
27.7025 D 24	-	51.4488	0.001	970617		2.39E+06
STABLE	83.789% 1	55.4169	0.0008	200005		0.00E+00
STABLE	9.501% 17	55.2847	0.0008	199910		0.00E+00
STABLE	2.365% 7	56.9325	0.0008	200107		0.00E+00
3.497 M 3	-	55.1075	0.0008	200108		2.10E+02
5.94 M 10	-	55.2812	0.0019	199904		3.56E+02
21.1 S 10	-	52.5241	0.0019	199812		2.11E+01
7.0 S 3	-	51.8347	0.2029	970508		7.00E+00
0.46 S 5	-	47.8915	0.2443	200204		4.60E-01
0.57 S 6	-	46.5039	0.2134	200311		5.70E-01
0.27 S 2	-	42.1807	0.2546	199910		2.70E-01
209 MS 12	-	40.4146	0.337	05GA01		2.09E-01
209 MS 12	-	40.4146	0.337	05GA01		2.09E-01
129 MS 2	-	35.527	0.2980	S 05GA01		1.29E-01
129 MS 2	-	35.527	0.2980	S 05GA01		1.29E-01
43 MS 1	-	33.152	0.4010	S 05GA01		4.30E-02
27 MS 3	-	27.796	0.5030	S 05GA01		2.70E-02
27 MS 3	-	27.796	0.5030	S 05GA01		2.70E-02
10 MS 6	-	24.796	0.5960	S 05GA01		1.00E-02
50 MS AP	-	19.049	0.6990	S NUBASE		5.00E-02
105 NS LT		6.399	0.5030	S 971209		1.05E-07
105 NS LT		6.399	0.5030	S 971209		1.05E-07
70 NS LT		-5.114	0.2980	S 971209		7.00E-08
34 MS +5-4	-	12.37	0.1120	S 01GI02		3.40E-02
34 MS +5-4	-	12.37	0.1120	S 200011		3.40E-02
100 MS 50	-	22.263	0.1580	S 199503		1.00E-01
100 MS 50	-	22.263	0.1580	S 199503		1.00E-01
158.1 MS 22	-	29.3234	0.1118	Work04		1.58E-01
158.1 MS 22	-	29.3234	0.1118	Work04		1.58E-01
158.1 MS 22	-	29.3234	0.1118	Work04		1.58E-01
382 MS 7	-	37.6156	0.024	200111		3.82E-01
283.29 MS 8	-	42.6268	0.001	97KO65		2.83E-01
1.75 M 3	-	42.3978	0.001	950530		1.05E+02
46.2 M 1	-	48.2413	0.001	970617		2.77E+03
5.591 D 3	-	50.7054	0.002	200005		4.83E+05
21.1 M 2	-	50.3277	0.002	200005		1.27E+03
21.1 M 2	-	50.3277	0.002	200005		1.27E+03
3.74E+6 Y 4	-	54.6879	0.0008	199910		1.18E+14
312.12 D 6	-	55.5554	0.0013	200107		2.70E+07
312.12 D 6	-	55.5554	0.0013	200107		2.70E+07
STABLE	-100%	57.7106	0.0007	200108		0.00E+00
2.5789 H 1	-	56.9097	0.0007	199904		9.28E+03
85.4 S 18	-	57.4868	0.0019	981203		8.54E+01
3.0 S 1	-	55.9068	0.03	970508		3.00E+00

65.2 S 5	-	55.835	0.03	970508	6.52E+01
65.2 S 5	-	55.835	0.03	970508	6.52E+01
4.59 S 5	-	55.4796	0.03	200204	4.59E+00
51 S 6	-	53.1778	0.0861	200311	5.10E+01
1.77 S 2	-	52.9059	0.0861	200311	1.77E+00
1.77 S 2	-	52.9059	0.0861	200311	1.77E+00
0.67 S 4	-	51.5557	0.2279	199910	6.70E-01
92 MS 13	-	48.0388	0.2231	05GA01	9.20E-02
671 MS 5	-	48.0388	0.2231	05GA01	6.71E-01
671 MS 5	-	48.0388	0.2231	200101	6.71E-01
0.29 S 2	-	46.3512	0.2583	200103	2.90E-01
89 MS 4	-	42.6167	0.2667	99HA05	8.90E-02
89 MS 4	-	42.6167	0.2667	98AM04	8.90E-02
92 MS 1	-	40.6727	0.5367	03SO21	9.20E-02
92 MS 1	-	40.6727	0.5367	03SO21	9.20E-02
64 MS 2	-	36.254	0.4010 S	03SO21	6.40E-02
64 MS 2	-	36.254	0.4010 S	03SO21	6.40E-02
47 MS 4	-	33.403	0.5030 S	03SO21	4.70E-02
47 MS 4	-	33.403	0.5030 S	03SO21	4.70E-02
28 MS 4	-	28.597	0.5960 S	200211	2.80E-02
28 MS 4	-	28.597	0.5960 S	200211	2.80E-02
14 MS 4	-	25.299	0.8010 S	200006	1.40E-02
3.8 MS +20-8		13.579	0.2220 S	04BL05	3.80E-03
12 MS +4-3		0.755	0.3540 S	01GI02	1.20E-02
21.8 MS 7		-6.623	0.2610 S	01GI02	2.18E-02
21.8 MS 7		-6.623	0.2610 S	01GI02	2.18E-02
44 MS 7	-	18.16	0.0700 S	Work04	4.40E-02
44 MS 7	-	18.16	0.0700 S	Work04	4.40E-02
70 MS 3	-	24.582	0.1490 S	200111	7.00E-02
70 MS 3	-	24.582	0.1490 S	200111	7.00E-02
155 MS 11	-	34.4755	0.06	200111	1.55E-01
155 MS 11	-	34.4755	0.06	200111	1.55E-01
305 MS 5	-	40.2223	0.015	970617	3.05E-01
8.275 H 8	-	48.3316	0.0065	200005	2.98E+04
45.9 S 6	-	41.5116	0.0065	200005	4.59E+01
8.51 M 2	-	50.9453	0.0018	199910	5.11E+02
2.526 M 24	-	47.9049	0.0018	199910	1.52E+02
STABLE	5.845% 35	56.2525	0.0007	200104	0.00E+00
2.737 Y 11	-	57.4794	0.0007	200108	8.64E+07
STABLE	91.754% 3	60.6054	0.0007	199904	0.00E+00
STABLE	2.119% 10	60.1801	0.0007	981203	0.00E+00
STABLE	0.282% 4	62.1534	0.0007	970730	0.00E+00
44.495 D 9	-	60.6631	0.0007	200204	3.84E+06
1.5E+6 Y 3	-	61.4118	0.0035	200311	4.73E+13
5.98 M 6	-	58.9214	0.02	199910	3.59E+02
68 S 2	-	58.9007	0.0145	200101	6.80E+01
6.1 S 6	-	55.5458	0.1681	200103	6.10E+00
2.0 S 2	-	54.7707	0.2766	960916	2.00E+00
1.3 S 3	-	50.8779	0.2433	99Le67	1.30E+00
0.44 S 6	-	49.5735	0.3026	98AM04	4.40E-01
0.47 S 5	-	45.6923	0.4156	98AM04	4.70E-01
0.47 S 5	-	45.6923	0.4156	98AM04	4.70E-01

187 MS 6	-	43.1282	0.6986	03SO21	1.87E-01
109 MS 9	-	38.396	0.5030	S 03SO21	1.09E-01
94 MS 17	-	35.9	0.5960	S 03SO21	9.40E-02
150 NS GT	-	31	0.8010	S 971209	1.50E-07
150 NS GT	-	28.299	0.8010	S 199712	1.50E-07
?		10.703	0.5030	S	0.00E+00
35 NS LT		-9.576	0.2610	S 971209	3.50E-08
35 NS LT		-9.576	0.2610	S 971209	3.50E-08
44 MS 4	-	17.195	0.1680	S 200111	4.40E-02
44 MS 4	-	17.195	0.1680	S 200111	4.40E-02
200 NS GT	-	27.274	0.1490	S 970421	2.00E-07
115 MS 23	-	33.916	0.0650	S 200005	1.15E-01
240 MS 9	-	42.6448	0.018	02LO13	2.40E-01
247 MS 12	-	39.4548	0.018	199910	2.47E-01
247 MS 12	-	39.4548	0.018	199910	2.47E-01
193.28 MS 7	-	48.0095	0.0007	02LO13	1.93E-01
1.48 M 2	-	47.8121	0.0007	200107	8.88E+01
17.53 H 3	-	54.0276	0.0007	200108	6.31E+04
77.233 D 27	-	56.0394	0.0021	199904	6.67E+06
271.74 D 6	-	59.3442	0.0007	981203	2.35E+07
70.86 D 6	-	59.8459	0.0012	200009	6.12E+06
9.04 H 11	-	59.821	0.0012	200009	3.25E+04
STABLE	-100%	62.2284	0.0006	200204	0.00E+00
1925.28 D 14	-	61.649	0.0006	200311	1.66E+08
10.467 M 6	-	61.5904	0.0006	200311	6.28E+02
10.467 M 6	-	61.5904	0.0006	200311	6.28E+02
1.650 H 5	-	62.8984	0.0009	199910	5.94E+03
1.50 M 4	-	61.4315	0.02	200101	9.00E+01
13.91 M 5	-	61.4095	0.02	200101	8.35E+02
13.91 M 5	-	61.4095	0.02	200101	8.35E+02
27.4 S 5	-	61.8404	0.02	200103	2.74E+01
0.30 S 3	-	59.7927	0.02	960916	3.00E-01
1.20 S 6	-	59.1699	0.0131	930831	1.20E+00
0.18 s 1	-	56.1113	0.2521	00mu10	0.00E+00
0.425 S 20	-	55.0611	0.3183	99WE07	4.25E-01
0.199 S 21	-	51.3504	0.3183	200211	1.99E-01
1.6 S 3	-	51.3504	0.3183	200211	1.60E+00
0.22 S 2	-	50.0026	0.3353	99mu17	2.20E-01
119 MS 6	-	45.6432	0.8383	200412	1.19E-01
0.50 S 18	-	45.6432	0.8383	200412	5.00E-01
79 MS 5	-	43.8734	0.8383	04SA59	7.90E-02
79 MS 5	-	43.8734	0.8383	04SA59	7.90E-02
62 MS 3	-	39.3	0.5960	S 03SA40	6.20E-02
62 MS 3	-	39.3	0.5960	S 03SA40	6.20E-02
41 MS 4	-	37.036	0.6990	S 04SA59	4.10E-02
150 NS GT	-	32.248	0.8010	S 200301	1.50E-07
150 NS GT	-	29.5	0.8010	S 199907	1.50E-07
0.5 US GT		18.397	0.5030	S Work04	5.00E-07
12 MS +5-3		8.998	0.4010	S 01GI02	1.20E-02
12 MS +5-3		8.998	0.4010	S 01GI02	1.20E-02
12 MS 3		-3.791	0.2610	S 03MA34	1.20E-02
12 MS 3		-3.791	0.2610	S 03MA34	1.20E-02

200 NS GT	-	11.439	0.2610 S	971209	2.00E-07
38 MS 5	-	22.654	0.0840 S	200005	3.80E-02
38 MS 5	-	22.654	0.0840 S	200005	3.80E-02
45 MS 15	-	29.37	0.1580 S	199910	4.50E-02
45 MS 15	-	29.37	0.1580 S	199910	4.50E-02
104 MS 7	-	39.2108	0.05	02LO13	1.04E-01
202 MS 3	-	45.3356	0.011	02LO13	2.02E-01
6.075 D 10	-	53.9037	0.0111	199904	5.25E+05
35.60 H 6	-	56.082	0.0018	981203	1.28E+05
STABLE	68.077% 9	60.2277	0.0006	200103	0.00E+00
7.6E+4 Y 5	-	61.1556	0.0006	200204	2.40E+12
STABLE	26.223% 8	64.4721	0.0006	200311	0.00E+00
STABLE	1.140% 1	64.2209	0.0006	199910	0.00E+00
STABLE	3.634% 2	66.7461	0.0006	200101	0.00E+00
100.1 Y 20	-	65.5126	0.0006	200103	3.16E+09
STABLE	0.926% 1	67.0993	0.0006	960916	0.00E+00
2.5172 H 3	-	65.1261	0.0006	970613	9.06E+03
54.6 H 3	-	66.0063	0.0014	980514	1.97E+05
21 S 1	-	63.7427	0.0029	200105	2.10E+01
29 S 2	-	63.4638	0.003	200211	2.90E+01
0.86 MS 5	-	60.6147	0.003	200211	8.60E-04
11.4 S 3	-	59.9786	0.0037	200006	1.14E+01
3.5 S 5	-	59.6576	0.0037	99MU17	3.50E+00
6.0 S 3	-	59.1499	0.3458	200412	6.00E+00
2.56 S 3	-	55.2038	0.368	01FR21	2.56E+00
1.57 S 5	-	53.9403	0.4364	01FR21	1.57E+00
1.57 S 5	-	53.9403	0.4364	98FR15	1.57E+00
0.84 S 3	-	49.863	0.2980 S	200403	8.40E-01
0.68 S 18	-	48.372	0.4010 S	200301	6.80E-01
0.68 S 18	-	48.372	0.4010 S	200301	6.80E-01
0.6 S 2	-	43.901	0.4010 S	199907	6.00E-01
0.6 S 2	-	43.901	0.4010 S	98AM04	6.00E-01
0.24 S +55-24	-	41.61	0.9040 S	971219	2.40E-01
0.24 S +55-24	-	41.61	0.9040 S	971219	2.40E-01
150 NS GT	-	36.747	0.5030 S	970818	1.50E-07
150 NS GT	-	34.298	1.0990 S	971209	1.50E-07
?	-	-2.627	0.2610 S	200005	0.00E+00
300 NS LT	-	13.46	0.2610 S	199910	3.00E-07
300 NS LT	-	13.46	0.2610 S	199910	3.00E-07
75 NS LT	-	21.694	0.2140 S	200107	7.50E-08
200 NS GT	-	31.624	0.2980 S	200108	2.00E-07
94 MS 3	-	38.601	0.1400 S	02LO13	9.40E-02
196.3 MS 7	-	47.3096	0.0157	981203	1.96E-01
3.204 S 7	-	51.6621	0.0016	200103	3.20E+00
81.5 S 5	-	56.3572	0.0008	200204	8.15E+01
23.7 M 4	-	58.3441	0.0017	200311	1.42E+03
3.333 H 5	-	61.9836	0.001	199910	1.20E+04
9.67 M 3	-	62.7978	0.0041	200101	5.80E+02
STABLE	69.17% 3	65.5795	0.0006	200103	0.00E+00
12.700 H 2	-	65.4242	0.0006	960916	4.57E+04
12.700 H 2	-	65.4242	0.0006	960916	4.57E+04
STABLE	30.83% 3	67.2637	0.0007	930831	0.00E+00

5.120 M 14	-	66.2583	0.0007	980514	3.07E+02
61.83 H 12	-	67.3188	0.0012	911210	2.23E+05
31.1 S 15	-	65.567	0.0016	200211	3.11E+01
3.75 M 5	-	64.8454	0.0016	200211	2.25E+02
3.75 M 5	-	64.8454	0.0016	200211	2.25E+02
2.85 M 15	-	65.7362	0.0014	200006	1.71E+02
44.5 S 2	-	62.9761	0.0016	200412	4.45E+01
33 S 2	-	62.875	0.0016	200412	3.30E+01
33 S 2	-	62.875	0.0016	200412	3.30E+01
6.6 S 2	-	62.7335	0.0016	200412	6.60E+00
6.6 S 2	-	62.7335	0.0016	200412	6.60E+00
19.5 S 16	-	62.7111	0.0015	930517	1.95E+01
6.6 S 1	-	59.783	0.0014	199501	6.60E+00
4.2 S 3	-	58.9866	0.0039	200403	4.20E+00
1.594 S 10	-	56.0062	0.0061	950531	1.59E+00
1.224 S 3	-	54.1198	0.9781	199907	1.22E+00
1.224 S 3	-	54.1198	0.9781	199907	1.22E+00
0.641 S 6	-	50.976	0.0067	950315	6.41E-01
0.641 S 6	-	50.976	0.0067	950315	6.41E-01
1.27 S 30	-	50.976	0.0067	950315	1.27E+00
0.469 S 8	-	48.577	0.4010 S	970818	4.69E-01
342 MS 11	-	44.749	0.4010 S	971209	3.42E-01
188 MS 25	-	42.327	0.5030 S	200206	1.88E-01
188 MS 25	-	42.327	0.5030 S	200206	1.88E-01
300 NS GT	-	36.449	0.5960 S	Work04	3.00E-07
?	-	-6.567	0.4010 S		0.00E+00
0.5 US GT	-	14.923	0.2520 S	200111	5.00E-07
0.5 US GT	-	14.923	0.2520 S	200111	5.00E-07
0.5 US GT	-	25.728	0.2610 S	200111	5.00E-07
0.5 US GT	-	25.728	0.2610 S	200111	5.00E-07
38 MS 4	-	32.8	0.1020 S	02LO13	3.80E-02
38 MS 4	-	32.8	0.1020 S	02LO13	3.80E-02
84 MS 9	-	42.2977	0.05	02LO13	8.40E-02
182.0 MS 18	-	47.2605	0.0371	200303	1.82E-01
182.0 MS 18	-	47.2605	0.0371	200303	1.82E-01
2.38 M 5	-	54.1878	0.0106	200311	1.43E+02
89.1 S 2	-	56.3455	0.0163	199910	8.91E+01
430 MS LT	-	56.2571	0.0163	199910	4.30E-01
0.14 S 7	-	55.9274	0.0163	199910	1.40E-01
0.13 S LT	-	55.5895	0.0163	199910	1.30E-01
9.186 H 13	-	61.1714	0.01	200101	3.31E+04
38.47 M 5	-	62.213	0.0016	200103	2.31E+03
2.8E+16 Y GT	48.63% 60	66.0036	0.0007	03KI08	8.84E+23
243.66 D 9	-	65.9116	0.0007	04SC04	2.11E+07
STABLE	27.90% 27	68.8994	0.0009	980514	0.00E+00
STABLE	4.10% 13	67.8804	0.0009	911210	0.00E+00
STABLE	18.75% 51	70.0072	0.001	200008	0.00E+00
56.4 M 9	-	68.418	0.001	200006	3.38E+03
13.76 H 2	-	67.9794	0.001	200006	4.95E+04
13.76 H 2	-	67.9794	0.001	200006	4.95E+04
1.3E+16 Y GT	0.62% 3	69.5647	0.002	200412	4.10E+23
2.45 M 10	-	67.3269	0.0102	930517	1.47E+02

3.96 H 5	-	67.1689	0.0102	930517	1.43E+04
3.96 H 5	-	67.1689	0.0102	930517	1.43E+04
46.5 H 1	-	68.1314	0.0061	199501	1.67E+05
23.5 S 10	-	65.4103	0.04	200403	2.35E+01
5.8 S 8	-	65.4103	0.04	200403	5.80E+00
5.8 S 8	-	65.4103	0.04	200403	5.80E+00
13.0 MS 2	-	65.2148	0.04	200403	1.30E-02
95.6 S 12	-	65.7089	0.0471	950531	9.56E+01
10.2 S 2	-	62.469	0.0706	199907	1.02E+01
5.7 S 3	-	62.1366	0.08	950315	5.70E+00
2.08 S 5	-	58.7223	0.12	970818	2.08E+00
1.05 S 10	-	57.9499	0.12	970818	1.05E+00
1.05 S 10	-	57.9499	0.12	970818	1.05E+00
1.47 S 15	-	57.3426	0.09	910807	1.47E+00
0.995 S 19	-	53.42	0.2590 S	200206	9.95E-01
0.995 S 19	-	53.42	0.2590 S	200206	9.95E-01
0.54 S 2	-	51.8448	0.1721 Work04		5.40E-01
0.54 S 2	-	51.8448	0.1721 Work04		5.40E-01
0.29 S 5	-	46.128	0.2980 S	970206	2.90E-01
0.29 S 5	-	46.128	0.2980 S	970206	2.90E-01
150 NS GT	-	42.457	0.5030 S	200305	1.50E-07
150 NS GT	-	36.3	0.5030 S	200105	1.50E-07
?		-4.741	0.2610 S		0.00E+00
?	-	15.901	0.2610 S		0.00E+00
?	-	23.986	0.2140 S		0.00E+00
?	-	34.121	0.1680 S		0.00E+00
70 MS 13	-	39.998	0.1120 S	200311	7.00E-02
70 MS 13	-	39.998	0.1120 S	200311	7.00E-02
70 MS 13	-	39.998	0.1120 S	200311	7.00E-02
168 MS 3	-	47.0905	0.0526 02WE07		1.68E-01
116.18 MS 4	-	52.0004	0.0279 04BL03		1.16E-01
32.4 S 5	-	56.5471	0.0013	200103	3.24E+01
2.627 M 12	-	58.8343	0.002	960916	1.58E+02
15.2 M 2	-	62.6572	0.0008	930831	9.12E+02
9.49 H 7	-	63.7244	0.0031	980514	3.42E+04
3.2623 D 15	-	66.8797	0.0013 04SC04		2.82E+05
67.71 M 9	-	67.0861	0.0015	200211	4.06E+03
STABLE	60.108% 9	69.3278	0.0012	200006	0.00E+00
21.14 M 3	-	68.9101	0.0012	200412	1.27E+03
21.14 M 3	-	68.9101	0.0012	200412	1.27E+03
STABLE	39.892% 9	70.1402	0.001	930517	0.00E+00
14.095 H 3	-	68.5894	0.001 89AB22		5.07E+04
39.68 MS 13	-	68.4697	0.001	199501	3.97E-02
4.86 H 3	-	69.6993	0.0017	200403	1.75E+04
8.12 M 12	-	68.0496	0.0037	950531	4.87E+02
9.5 S 10	-	67.9896	0.0037	950531	9.50E+00
9.5 S 10	-	67.9896	0.0037	950531	9.50E+00
126 S 2	-	68.4646	0.0024	199907	1.26E+02
32.6 S 6	-	66.2966	0.002	950315	3.26E+01
13.2 S 2	-	65.9923	0.0024	970818	1.32E+01
5.09 S 5	-	63.7066	0.0024	910807	5.09E+00
2.847 S 3	-	62.5095	0.0981	200206	2.85E+00

2.847 S 3	-	62.5095	0.0981	200206	2.85E+00
1.676 S 14	-	59.1352	0.1233	Work04	1.68E+00
1.676 S 14	-	59.1352	0.1233	Work04	1.68E+00
1.217 S 5	-	57.9833	0.1922	970206	1.22E+00
1.217 S 5	-	57.9833	0.1922	970206	1.22E+00
0.599 S 2	-	53.104	0.2980 S	200305	5.99E-01
0.599 S 2	-	53.104	0.2980 S	200305	5.99E-01
0.308 S 1	-	49.388	0.2980 S	200105	3.08E-01
0.308 S 1	-	49.388	0.2980 S	200105	3.08E-01
0.085 S 10	-	44.106	0.4010 S	970618	8.50E-02
0.085 S 10	-	44.106	0.4010 S	970618	8.50E-02
150 NS GT	-	40.054	0.5030 S	971209	1.50E-07
150 NS GT	-	34.353	0.8010 S	200112	1.50E-07
?	-	-8.374	0.3170 S		0.00E+00
?	-	17	0.2790 S		0.00E+00
30 MS AP	-	27.768	0.2330 S	NUBASE	3.00E-02
30 MS AP	-	27.768	0.2330 S	NUBASE	3.00E-02
39 MS 12	-	33.729	0.2980 S	02LO13	3.90E-02
39 MS 12	-	33.729	0.2980 S	02LO13	3.90E-02
129 NS 35	-	42.243	0.1400 S	02LO13	1.29E-07
142 MS 8	-	46.91	0.1960 S	02LO13	1.42E-01
63.7 S 25	-	54.3499	0.0317	960916	6.37E+01
30.9 S 5	-	56.4146	0.1	199308	3.09E+01
2.26 H 5	-	61.6244	0.0302	980514	8.14E+03
18.9 M 3	-	62.6578	0.0047	911210	1.13E+03
270.95 D 16	-	66.9798	0.0062	200211	2.34E+07
39.05 H 10	-	67.1006	0.0013	200006	1.41E+05
5.1 US 2	-	67.0138	0.0013	200006	5.10E-06
2.81 US 5	-	66.7027	0.0013	200006	2.81E-06
STABLE	20.37% 18	70.5631	0.001	200412	0.00E+00
11.43 D 3	-	69.9077	0.001	930517	9.88E+05
20.40 MS 17	-	69.7097	0.001	930517	2.04E-02
STABLE	27.31% 26	72.5859	0.0016	199501	0.00E+00
STABLE	7.76% 8	71.2975	0.0016	200403	0.00E+00
0.499 S 11	-	71.2308	0.0016	200403	4.99E-01
STABLE	36.73% 15	73.4224	0.0016	950531	0.00E+00
82.78 M 4	-	71.8564	0.0016	199907	4.97E+03
47.7 S 5	-	71.7167	0.0016	199907	4.77E+01
47.7 S 5	-	71.7167	0.0016	199907	4.77E+01
1.2E+25 Y 14	7.83% 7	73.213	0.0017	04KL03	3.79E+32
11.30 H 1	-	71.214	0.0017	970818	4.07E+04
52.9 S 6	-	71.0543	0.0017	970818	5.29E+01
52.9 S 6	-	71.0543	0.0017	970818	5.29E+01
88.0 M 10	-	71.8622	0.0039	910807	5.28E+03
18.98 S 3	-	69.4885	0.0896	200206	1.90E+01
39.0 S 10	-	69.3026	0.0896	200206	3.90E+01
39.0 S 10	-	69.3026	0.0896	200206	3.90E+01
29.5 S 4	-	69.5152	0.0283	Work04	2.95E+01
7.6 S 6	-	66.3033	0.1201	970206	7.60E+00
7.6 S 6	-	65.6242	0.1201	970206	7.60E+00
4.55 S 5	-	65.624	0.2441	200305	4.55E+00
1.85 S 6	-	60.901	0.1960 S	200105	1.85E+00

0.947 S 11	-	58.246	0.2980 S	970618	9.47E-01
0.947 S 11	-	58.246	0.2980 S	970618	9.47E-01
535 MS 47	-	53.067	0.4010 S	970421	5.35E-01
535 MS 47	-	53.067	0.4010 S	970421	5.35E-01
150 NS GT	-	49.844	0.5030 S	200112	1.50E-07
0.14 S AP	-	44.237	0.5030 S	200205	1.40E-01
0.14 S AP	-	44.237	0.5030 S	200205	1.40E-01
300 NS GE	-	40.138	0.6990 S	Work04	3.00E-07
150 NS GT	-	33.692	0.9040 S	981106	1.50E-07
?	-	-6.399	0.5960 S		0.00E+00
?	-	18.052	0.5960 S		0.00E+00
?	-	24.964	0.2980 S	200101	0.00E+00
?	-	33.823	0.5030 S	200103	0.00E+00
18 MS +43-7	-	39.521	0.3580 S	02LO13	1.80E-02
128 MS 16	-	46.981	0.3020 S	02LO13	1.28E-01
95.79 MS 22	-	51.5023	0.68	02LO13	9.58E-02
42.5 S 12	-	56.6478	0.1001	911210	4.25E+01
151.6 S 8	-	58.8992	0.0434	200211	1.52E+02
15.2 M 2	-	63.0867	0.0312	200006	9.12E+02
52.6 M 3	-	64.3431	0.05	200412	3.16E+03
65.28 H 15	-	67.8943	0.0042	930517	2.35E+05
26.0 H 1	-	68.2298	0.0044	199501	9.36E+04
80.30 D 6	-	70.9567	0.0039	200403	6.94E+06
17.77 D 2	-	70.86	0.0023	950531	1.54E+06
17.77 D 2	-	70.86	0.0023	950531	1.54E+06
STABLE	-100%	73.0324	0.0018	199907	0.00E+00
17.62 MS 23	-	72.7285	0.0018	199907	1.76E-02
1.0942 D 7	-	72.2895	0.0018	04un01	9.45E+04
38.83 H 5	-	73.9166	0.0023	970818	1.40E+05
114.0 US 25	-	73.4412	0.0023	970818	1.14E-04
90.7 M 2	-	72.8174	0.0099	910807	5.44E+03
9.01 M 15	-	73.6365	0.0056	200206	5.41E+02
0.87 US 6	-	72.8637	0.0056	200206	8.70E-07
15.2 S 2	-	72.1593	0.0233	Work04	1.52E+01
33.3 S 8	-	72.5333	0.0055	970206	3.33E+01
19.1 S 5	-	70.324	0.2	200305	1.91E+01
13.6 S 4	-	70.324	0.2	200305	1.36E+01
13.4 S 3	-	69.8807	0.22	200105	1.34E+01
3.24 S 26	-	66.082	0.3000 S	96WAZX	3.24E+00
3.24 S 26	-	66.082	0.3000 S	96WAZX	3.24E+00
2.021 S 10	-	63.323	0.1960 S	970421	2.02E+00
2.021 S 10	-	63.323	0.1960 S	970421	2.02E+00
0.945 S 8	-	59.15	0.2980 S	200112	9.45E-01
0.945 S 8	-	59.15	0.2980 S	200112	9.45E-01
0.56 S 8	-	55.983	0.2980 S	200205	5.60E-01
0.56 S 8	-	55.983	0.2980 S	200205	5.60E-01
300 NS GE	-	51.288	0.5030 S	Work04	3.00E-07
300 NS GE	-	51.288	0.5030 S	Work04	3.00E-07
300 NS GE	-	47.143	0.5030 S	981106	3.00E-07
150 NS GT	-	41.451	0.8010 S	NUBASE	1.50E-07
150 NS GT	-	36.859	0.9040 S	199902	1.50E-07
300 NS GT	-	30.926	0.9040 S	200101	3.00E-07

50 MS LT	-	32.919	0.5960 S	930831	5.00E-02
33 MS 12	-	41.722	0.2980 S	02LO13	3.30E-02
133 MS 11	-	46.491	0.1960 S	02LO13	1.33E-01
133 MS 11	-	46.491	0.1960 S	02LO13	1.33E-01
35.5 S 7	-	54.2148	0.0326	200211	3.55E+01
27.4 S 2	-	56.3015	0.0344	200006	2.74E+01
27.4 S 2	-	56.3015	0.0344	200006	2.74E+01
41.1 M 3	-	62.0462	0.0616	200412	2.47E+03
4.74 M 5	-	63.1163	0.0316	930517	2.84E+02
8.40 D 8	-	67.8944	0.0121	199703	7.26E+05
7.15 H 8	-	68.2176	0.0107	200403	2.57E+04
39.8 M 13	-	68.1919	0.0107	200403	2.39E+03
39.8 M 13	-	68.1919	0.0107	200403	2.39E+03
STABLE	0.89% 4	72.2127	0.0017	199506	0.00E+00
119.779 D 4	-	72.169	0.0017	199907	1.03E+07
STABLE	9.37% 29	75.252	0.0017	950315	0.00E+00
STABLE	7.63% 16	74.5996	0.0017	199708	0.00E+00
17.36 S 5	-	74.4377	0.0017	199708	1.74E+01
STABLE	23.77% 28	77.0261	0.0017	910807	0.00E+00
2.95E+5 Y 38	-	75.9176	0.0017	200206	9.31E+12
3.92 M 1	-	75.8218	0.0017	200206	2.35E+02
3.92 M 1	-	75.8218	0.0017	200206	2.35E+02
STABLE	49.61% 41	77.7599	0.002	Work04	0.00E+00
18.45 M 12	-	76.3895	0.002	970206	1.11E+03
57.28 M 2	-	76.2865	0.002	970206	3.44E+03
57.28 M 2	-	76.2865	0.002	970206	3.44E+03
9.1E+19 Y 9	8.73% 22	77.594	0.002	04KO61	2.87E+27
22.3 M 3	-	75.3407	0.0036	200105	1.34E+03
70.1 S 4	-	75.1122	0.0036	200105	7.01E+01
3.10 M 10	-	75.9518	0.0145	970618	1.86E+02
31.7 S 9	-	72.4283	0.0299	199704	3.17E+01
15.3 S 9	-	70.5406	0.0156	200112	1.53E+01
5.50 S 12	-	66.5819	0.0392	200205	5.50E+00
5.50 S 12	-	66.5819	0.0392	200205	5.50E+00
1.53 S 6	-	63.8781	0.0494	Work04	1.53E+00
1.53 S 6	-	63.8781	0.0494	Work04	1.53E+00
0.41 S 4	-	59.196	0.2980 S	981106	4.10E-01
0.41 S 4	-	59.196	0.2980 S	981106	4.10E-01
150 NS GT	-	55.927	0.4010 S		1.50E-07
0.27 S 5	-	50.338	0.5030 S	199902	2.70E-01
0.27 S 5	-	50.338	0.5030 S	199902	2.70E-01
300 NS GT	-	46.649	0.5960 S	200101	3.00E-07
150 NS GT	-	40.716	0.8010 S	971209	1.50E-07
150 NS GT	-	36.803	0.8010 S	971209	1.50E-07
?	-	32.798	0.5030 S	NUBASE	0.00E+00
1.2 US LT	-	38.642	0.3580 S		1.20E-06
24 NS LT	-	46.476	0.1050 S	200006	2.40E-08
79.1 MS 8	-	51.426	0.3060 S	200412	7.91E-02
2.2 S 2	-	49.1337	0.3060 S	200412	2.20E+00
21.4 S 6	-	57.0633	0.5682	930517	2.14E+01
78.6 S 24	-	59.0152	0.0596 J	03PI03	7.86E+01
10.6 S 3	-	58.9143	0.0596	199501	1.06E+01

10.6 S 3	-	58.9143	0.0596	199501	1.06E+01
3.4 M 2	-	63.6289	0.0508	200403	2.04E+02
25.4 M 3	-	65.3061	0.0151	950531	1.52E+03
46 M 2	-	65.2921	0.0151	950531	2.76E+03
96.7 M 13	-	69.139	0.0142	199907	5.80E+03
16.2 H 2	-	70.2892	0.0095	950315	5.83E+04
1.31 S 2	-	70.1862	0.0095	950315	1.31E+00
1.31 S 2	-	70.1862	0.0095	950315	1.31E+00
57.036 H 6	-	73.2349	0.0033	970818	2.05E+05
4.28 M 10	-	73.129	0.0033	970818	2.57E+02
6.46 M 4	-	73.4523	0.0039	910807	3.88E+02
6.46 M 4	-	73.4523	0.0039	910807	3.88E+02
119.2 US 10	-	73.2715	0.0039	910807	1.19E-04
STABLE	50.69% 7	76.0685	0.002	200206	0.00E+00
4.86 S 4	-	75.8609	0.002	200206	4.86E+00
17.68 M 2	-	75.8895	0.002	Work04	1.06E+03
17.68 M 2	-	75.8895	0.002	Work04	1.06E+03
4.4205 H 8	-	75.8037	0.002	Work04	1.59E+04
STABLE	49.31% 7	77.9748	0.002	970206	0.00E+00
35.282 H 7	-	77.4965	0.002	200305	1.27E+05
6.13 M 5	-	77.4506	0.002	200305	3.68E+02
6.13 M 5	-	77.4506	0.002	200305	3.68E+02
2.40 H 2	-	79.0089	0.0042	200105	8.64E+03
31.80 M 8	-	77.7993	0.0147	970618	1.91E+03
6.0 M 2	-	77.4793	0.0147	970618	3.60E+02
2.90 M 6	-	78.6103	0.0191	910426	1.74E+02
55.1 S 4	-	75.6396	0.011	200112	5.51E+01
55.65 S 13	-	73.8569	0.0177	200205	5.57E+01
55.65 S 13	-	73.8569	0.0177	200205	5.57E+01
16.29 S 6	-	70.7321	0.0384	Work04	1.63E+01
16.29 S 6	-	70.7321	0.0384	Work04	1.63E+01
5.3 US 4	-	70.462	0.0384	Work04	5.30E-06
4.40 S 3	-	68.5716	0.0598	981106	4.40E+00
4.40 S 3	-	68.5716	0.0598	981106	4.40E+00
1.91 S 1	-	64.6199	0.0772	980107	1.91E+00
1.91 S 1	-	64.6199	0.0772	980107	1.91E+00
0.541 S 5	-	61.5083	0.0726	199902	5.41E-01
0.541 S 5	-	61.5083	0.0726	199902	5.41E-01
0.343 S 15	-	56.5801	0.0496	200101	3.43E-01
0.343 S 15	-	56.5801	0.0496	200101	3.43E-01
102 MS 10	-	53.049	0.2980 S	200103	1.02E-01
102 MS 10	-	53.049	0.2980 S	200103	1.02E-01
70 MS 20	-	47.804	0.4010 S	199205	7.00E-02
70 MS 20	-	47.804	0.4010 S	199205	7.00E-02
150 NS GT	-	43.901	0.5030 S	971209	1.50E-07
150 NS GT	-	38.629	0.6990 S	971209	1.50E-07
150 NS GT	-	34.652	0.8010 S	971209	1.50E-07
32 MS 10	-	32.435	0.4010 S	200006	3.20E-02
52 MS 17	-	41.676	0.3850 S	200412	5.20E-02
52 MS 17	-	41.676	0.3850 S	200412	5.20E-02
100 MS 3	-	46.9233	0.6521	97O101	1.00E-01
100 MS 3	-	46.9233	0.6521	95BL23	1.00E-01

17.1 S 2	-	53.9409	0.008	03pi03	1.71E+01
27.3 S 10	-	56.5518	0.0066	200403	2.73E+01
27.3 S 10	-	56.5518	0.0066	200403	2.73E+01
11.50 M 11	-	62.3315	0.002	950531	6.90E+02
4.29 M 17	-	64.3236	0.0081	199907	2.57E+02
14.8 H 1	-	69.0143	0.004	950315	5.33E+04
74.4 M 6	-	70.1694	0.002	970818	4.46E+03
2.3E+20 Y GE	0.35% 1	74.1797	0.0011	00GA54	7.26E+27
35.04 H 10	-	74.4427	0.0039	200206	1.26E+05
50 S 3	-	74.3129	0.0039	200206	5.00E+01
STABLE	2.28% 6	77.8925	0.0015	Work04	0.00E+00
2.29E+5 Y 11	-	77.694	0.002	199702	7.23E+12
13.10 S 3	-	77.5034	0.002	199702	1.31E+01
13.10 S 3	-	77.5034	0.002	199702	1.31E+01
STABLE	11.58% 14	80.5895	0.0018	200305	0.00E+00
STABLE	11.49% 6	79.9817	0.0028	200105	0.00E+00
1.83 H 2	-	79.9401	0.0028	200105	6.59E+03
STABLE	57.00% 4	82.431	0.0028	970618	0.00E+00
3916.8 D 25	-	81.4803	0.0019	04SC04	3.38E+08
4.480 H 8	-	81.1753	0.0019	910426	1.61E+04
4.480 H 8	-	81.1753	0.0019	910426	1.61E+04
STABLE	17.30% 22	83.2656	0.0001	200112	0.00E+00
76.3 M 5	-	80.7094	0.0003	200205	4.58E+03
2.84 H 3	-	79.6921	0.0134	Work04	1.02E+04
3.15 M 4	-	76.7266	0.0517	981106	1.89E+02
32.32 S 9	-	74.9698	0.0185	980107	3.23E+01
8.57 S 4	-	71.3103	0.0571	200102	8.57E+00
1.840 S 8	-	68.785	0.0117	Work04	1.84E+00
1.840 S 8	-	68.785	0.0117	Work04	1.84E+00
1.286 S 10	-	64.0175	0.1003	200103	1.29E+00
1.286 S 10	-	64.0175	0.1003	200103	1.29E+00
212 MS 5	-	61.143	0.3000	S 03BE05	2.12E-01
212 MS 5	-	61.143	0.3000	S 03BE05	2.12E-01
114 MS 3	-	56.039	0.4010	S 03BE05	1.14E-01
114 MS 3	-	56.039	0.4010	S 03BE05	1.14E-01
80 MS 8	-	53.03	0.5030	S 03BE05	8.00E-02
80 MS 7	-	53.03	0.5030	S 03BE05	8.00E-02
63 MS 4	-	47.916	0.5030	S 03BE05	6.30E-02
63 MS 4	-	47.916	0.5030	S 03BE05	6.30E-02
46 MS 8	-	44.796	0.5960	S 03BE05	4.60E-02
46 MS 8	-	44.796	0.5960	S 03BE05	4.60E-02
40 MS 11	-	39.495	0.5960	S 03BE05	4.00E-02
40 MS 11	-	39.495	0.5960	S 03BE05	4.00E-02
150 NS GT	-	36.198	0.5030	S 971209	1.50E-07
?	-	32.304	0.5030	S	0.00E+00
1.2 US LT	-	38.117	0.5030	S 199712	1.20E-06
30 NS GT	-	46.052	0.1500	S 200403	3.00E-08
30 NS GT	-	46.052	0.1500	S 200403	3.00E-08
64.9 MS 5	-	51.917	0.0037	950531	6.49E-02
19.0 S 12	-	57.2217	0.0075	199907	1.90E+01
36.5 S 6	-	60.4798	0.0019	950315	3.65E+01
36.5 S 6	-	60.4798	0.0019	950315	3.65E+01

3.77 M 4	-	64.8245	0.0075	970818	2.26E+02
17.66 M 8	-	66.9362	0.0075	910807	1.06E+03
5.74 M 5	-	66.8332	0.0075	910807	3.44E+02
5.74 M 5	-	66.8332	0.0075	910807	3.44E+02
22.9 M 5	-	70.8034	0.006	200206	1.37E+03
33.4 S 7	-	72.1729	0.007	Work04	3.34E+01
4.570 H 4	-	75.4548	0.006	04SC04	1.65E+04
30.5 M 3	-	75.3685	0.006	970206	1.83E+03
30.5 M 3	-	75.3685	0.006	970206	1.83E+03
1.273 M 2	-	76.1882	0.0028	200305	7.64E+01
6.472 H 5	-	76.1192	0.0028	04SC04	2.33E+04
6.472 H 5	-	76.1192	0.0028	04SC04	2.33E+04
86.2 D 1	-	79.0748	0.006	200105	7.45E+06
33.1 D 1	-	79.75	0.0028	00HU20	2.86E+06
33.1 D 1	-	79.75	0.0028	00HU20	2.86E+06
20.26 M 4	-	79.2864	0.0028	970618	1.22E+03
STABLE	72.17% 2	82.1673	0	910426	0.00E+00
18.642 D 18	-	82.747	0.0002	200112	1.61E+06
18.642 D 18	-	82.747	0.0002	200112	1.61E+06
1.017 M 3	-	82.1909	0.0002	200112	6.10E+01
1.017 M 3	-	82.1909	0.0002	200112	6.10E+01
4.97E+10 Y 3	27.83% 2	84.5978	0	03ko66	1.57E+18
17.773 M 11	-	82.609	0.0002	Work04	1.07E+03
15.15 M 12	-	81.7125	0.0055	981106	9.09E+02
158 S 5	-	79.3617	0.0065	980107	1.58E+02
258 S 4	-	79.2548	0.0065	980107	2.58E+02
258 S 4	-	79.2548	0.0065	980107	2.58E+02
58.4 S 4	-	77.7453	0.0081	199902	5.84E+01
4.492 S 20	-	74.772	0.0061	200101	4.49E+00
4.492 S 20	-	74.772	0.0061	200101	4.49E+00
5.84 S 2	-	72.6175	0.0076	970306	5.84E+00
5.84 S 2	-	72.6175	0.0076	970306	5.84E+00
2.702 S 5	-	68.5534	0.0084	920513	2.70E+00
2.702 S 5	-	68.5534	0.0084	920513	2.70E+00
377.5 MS 8	-	65.8539	0.0211	199510	3.78E-01
377.5 MS 8	-	65.8539	0.0211	199510	3.78E-01
202.8 MS 33	-	61.2246	0.0294	950622	2.03E-01
202.8 MS 33	-	61.2246	0.0294	950622	2.03E-01
169.9 MS 7	-	58.3563	0.0305	931105	1.70E-01
169.9 MS 7	-	58.3563	0.0305	931105	1.70E-01
114 MS 5	-	54.2216	0.0502	200305	1.14E-01
114 MS 5	-	54.2216	0.0502	200305	1.14E-01
114 MS 5	-	54.2216	0.0502	200305	1.14E-01
96 MS 3	-	53.9516	0.0502	200305	9.60E-02
50.3 MS 7	-	50.8789	0.1257	199804	5.03E-02
50.3 MS 7	-	50.8789	0.1257	199804	5.03E-02
51 MS 8	-	46.696	0.2980 S	970529	5.10E-02
51 MS 8	-	46.696	0.2980 S	970529	5.10E-02
51 MS 8	-	46.696	0.2980 S	970529	5.10E-02
32 MS 5	-	43.5972	0.1661	980218	3.20E-02
32 MS 5	-	43.5972	0.1661	980218	3.20E-02
37 MS 5	-	38.312	0.5030 S	980424	3.70E-02

37 MS 5	-	38.312	0.5030 S	980424	3.70E-02
25 MS GT	-	31.699	0.5960 S	200403	2.50E-02
25 MS GT	-	31.699	0.5960 S	200403	2.50E-02
1.2 US GT	-	40.697	0.5030 S	971219	1.20E-06
88 MS 3	-	46.6217	0.2201	03HU01	8.80E-02
88 MS 3	-	46.6217	0.2201	03HU01	8.80E-02
7.89 S 7	-	54.2439	0.0373	04DE24	7.89E+00
7.89 S 7	-	54.2439	0.0373	04DE24	7.89E+00
9.0 S 2	-	57.8041	0.0093	970818	9.00E+00
9.0 S 2	-	57.8041	0.0093	970818	9.00E+00
2.5 M 3	-	63.1739	0.0075	200308	1.50E+02
2.25 M 10	-	65.4766	0.0084	200206	1.35E+02
106.3 M 15	-	70.3082	0.0066	Work04	6.38E+03
22.3 M 4	-	71.5277	0.0062	199907	1.34E+03
25.55 D 15	-	76.0084	0.0056	200305	2.21E+06
32.41 H 3	-	76.7954	0.0103	200105	1.17E+05
4.95 S 12	-	76.5363	0.0103	200105	4.95E+00
STABLE	0.56% 1	80.6438	0.0032	970618	0.00E+00
64.84 D 2	-	81.1026	0.0028	910426	5.60E+06
67.63 M 4	-	80.8636	0.0028	910426	4.06E+03
67.63 M 4	-	80.8636	0.0028	910426	4.06E+03
STABLE	9.86% 1	84.5236	0.0011	200112	0.00E+00
STABLE	7.00% 1	84.8804	0.0011	200205	0.00E+00
2.815 H 12	-	84.4919	0.0011	200205	1.01E+04
2.815 H 12	-	84.4919	0.0011	200205	1.01E+04
STABLE	82.58% 1	87.9217	0.0011	Work04	0.00E+00
50.57 D 3	-	86.2091	0.0011	05AM01	4.37E+06
28.90 Y 3	-	85.9416	0.0029	04SC04	9.12E+08
9.63 H 5	-	83.6453	0.0045	200102	3.47E+04
2.66 H 4	-	82.8677	0.0034	200308	9.58E+03
7.423 M 24	-	80.0846	0.0075	970306	4.45E+02
75.3 S 2	-	78.8404	0.0072	920513	7.53E+01
23.90 S 14	-	75.1168	0.0075	940405	2.39E+01
1.07 S 1	-	72.939	0.0274	930428	1.07E+00
429 MS 5	-	68.7881	0.0192	199311	4.29E-01
429 MS 5	-	68.7881	0.0192	199311	4.29E-01
0.653 S 2	-	66.6457	0.0263	200305	6.53E-01
0.653 S 2	-	66.6457	0.0263	200305	6.53E-01
0.269 S 1	-	62.1857	0.08	199501	2.69E-01
0.269 S 1	-	62.1857	0.08	199501	2.69E-01
202 MS 3	-	60.2193	0.1272	970529	2.02E-01
202 MS 3	-	60.2193	0.1272	970529	2.02E-01
118 MS 3	-	55.4072	0.1244	980218	1.18E-01
118 MS 3	-	55.4072	0.1244	980218	1.18E-01
69 MS 6	-	53.0775	0.1112	980424	6.90E-02
69 MS 6	-	53.0775	0.1112	980424	6.90E-02
150 NS GT	-	47.553	0.5030 S	200108	1.50E-07
300 NS GT	-	44.404	0.6990 S	NUBASE	3.00E-07
150 NS GT	-	38.582	0.6990 S	Work04	1.50E-07
200 NS GT	-	38.704	0.5030 S	01KI13	2.00E-07
200 NS GT	-	38.704	0.5030 S	01KI13	2.00E-07
0.06 S AP	-	46.905	0.0620 S	02FA13	6.00E-02

0.06 S AP	-	46.905	0.0620 S	02FA13	6.00E-02
50 MS 8	-	52.527	0.4010 S	200308	5.00E-02
5.7 S 7	-	52.527	0.4010 S	200308	5.70E+00
14.8 S 6	-	58.3566	0.4501	200206	1.48E+01
14.8 S 6	-	58.3566	0.4501	200206	1.48E+01
30.1 S 5	-	61.2178	0.177	Work04	3.01E+01
30.1 S 5	-	61.2178	0.177	Work04	3.01E+01
4.8 S 3	-	60.9893	0.177	Work04	4.80E+00
4.8 S 3	-	60.9893	0.177	Work04	4.80E+00
4.7 US 3	-	60.9052	0.177	Work04	4.70E-06
70.4 S 10	-	66.0173	0.0622	981013	7.04E+01
8.30 S 20	-	68.1924	0.1026	200305	8.30E+00
7.08 M 6	-	72.3266	0.0443	200108	4.25E+02
2.85 M 2	-	72.2646	0.0443	200108	1.71E+02
2.85 M 2	-	72.2646	0.0443	200108	1.71E+02
4.6 S 2	-	74.1579	0.0914	199706	4.60E+00
39.5 M 8	-	74.1579	0.0914	199706	2.37E+03
2.68 H 5	-	77.8421	0.019	940405	9.65E+03
4.86 H 13	-	77.8221	0.019	940405	1.75E+04
4.86 H 13	-	77.8221	0.019	940405	1.75E+04
14.74 H 2	-	79.2836	0.0142	200112	5.31E+04
48 M 1	-	79.0653	0.0142	200112	2.88E+03
48 M 1	-	79.0653	0.0142	200112	2.88E+03
79.8 H 3	-	83.0187	0.0016	200205	2.87E+05
13.37 H 3	-	82.6379	0.0016	200205	4.81E+04
13.37 H 3	-	82.6379	0.0016	200205	4.81E+04
106.616 D 13	-	84.2991	0.0019	Work04	9.21E+06
13.97 MS 18	-	83.6246	0.0019	Work04	1.40E-02
STABLE	-100%	87.7018	0.0026	981106	0.00E+00
15.28 S 17	-	86.7928	0.0026	98DO17	1.53E+01
64.053 H 20	-	86.4875	0.0026	04KO18	2.31E+05
3.19 H 6	-	85.8058	0.0026	980107	1.15E+04
3.19 H 6	-	85.8058	0.0026	980107	1.15E+04
58.51 D 6	-	86.345	0.0029	199902	5.06E+06
49.71 M 4	-	85.7894	0.0029	199902	2.98E+03
49.71 M 4	-	85.7894	0.0029	199902	2.98E+03
3.54 H 1	-	84.8133	0.0093	200101	1.27E+04
10.18 H 8	-	84.2232	0.0106	970306	3.66E+04
0.82 S 4	-	83.4645	0.0106	970306	8.20E-01
18.7 M 1	-	82.3485	0.0072	920513	1.12E+03
10.3 M 1	-	81.2071	0.0072	940405	6.18E+02
5.34 S 5	-	78.3467	0.0234	930428	5.34E+00
9.6 S 2	-	78.3467	0.0234	930428	9.60E+00
3.75 S 3	-	76.2577	0.0117	931105	3.75E+00
3.75 S 3	-	76.2577	0.0117	931105	3.75E+00
1.17 S 3	-	75.5897	0.0117	931105	1.17E+00
1.17 S 3	-	75.5897	0.0117	931105	1.17E+00
1.17 S 3	-	75.5897	0.0117	931105	1.17E+00
142 MS 8	-	72.7347	0.0117	931105	1.42E-01
142 MS 8	-	72.7347	0.0117	931105	1.42E-01
0.548 S 2	-	72.4674	0.0245	200305	5.48E-01
0.548 S 2	-	72.4674	0.0245	200305	5.48E-01

2.0 S 2	-	72.0574	0.0245	200305	2.00E+00
2.0 S 2	-	72.0574	0.0245	200305	2.00E+00
2.0 S 2	-	72.0574	0.0245	200305	2.00E+00
1.470 S 7	-	70.2009	0.0244	199501	1.47E+00
1.470 S 7	-	70.2009	0.0244	199501	1.47E+00
8.6 US 8	-	68.0593	0.0244	199501	8.60E-06
735 MS 7	-	67.2943	0.0786	970529	7.35E-01
735 MS 7	-	67.2943	0.0786	970529	7.35E-01
0.94 S 3	-	67.2943	0.0786	970529	9.40E-01
0.45 S 2	-	64.9122	0.0953	980218	4.50E-01
0.45 S 2	-	64.9122	0.0953	96ME09	4.50E-01
0.30 S 1	-	61.8925	0.0864	980424	3.00E-01
0.30 S 1	-	61.8925	0.0864	96ME09	3.00E-01
0.36 S 4	-	61.8925	0.0864	980424	3.60E-01
0.36 S 4	-	61.8925	0.0864	96ME09	3.60E-01
0.23 S 2	-	58.936	0.2980 S	200108	2.30E-01
0.23 S 2	-	58.936	0.2980 S	200108	2.30E-01
180 MS 60	-	54.912	0.4010 S	200002	1.80E-01
180 MS 60	-	54.912	0.4010 S	200002	1.80E-01
300 NS GT	-	51.353	0.5030 S	Work04	3.00E-07
150 NS GT	-	46.77	0.6990 S	971209	1.50E-07
30 MS AP	-	42.718	0.5030 S	200002	3.00E-02
20 MS SY	-	37.744	0.8010 S	200012	2.00E-02
20 MS SY	-	37.744	0.8010 S	200012	2.00E-02
200 NS GT	-	41.703	0.5030 S	01K113	2.00E-07
200 NS GT	-	41.703	0.5030 S	01K113	2.00E-07
56 MS 30	-	47.357	0.4010 S	200206	5.60E-02
56 MS 30	-	47.357	0.4010 S	200206	5.60E-02
4.6 S 6	-	55.517	1.4904	Work04	4.60E+00
4.6 S 6	-	55.517	1.4904	Work04	4.60E+00
5.5 S 4	-	58.4885	0.1665	200003	5.50E+00
5.5 S 4	-	58.4885	0.1665	200003	5.50E+00
32 S 5	-	64.192	0.2250 S	200305	3.20E+01
41.6 S 24	-	66.4586	0.0959	200105	4.16E+01
41.6 S 24	-	66.4586	0.0959	200105	4.16E+01
25.9 M 7	-	71.492	0.1960 S	199706	1.55E+03
7.86 M 4	-	73.1491	0.1008	940510	4.72E+02
10.9 S 3	-	72.8571	0.1008	940510	1.09E+01
10.9 S 3	-	72.8571	0.1008	940510	1.09E+01
16.5 H 1	-	77.8044	0.0301	200112	5.94E+04
1.68 H 1	-	79.3482	0.0083	200205	6.05E+03
14.0 S 2	-	79.0124	0.0083	200205	1.40E+01
83.4 D 3	-	83.6231	0.0103	Work04	7.21E+06
78.41 H 12	-	84.8689	0.0037	981106	2.82E+05
4.161 M 17	-	84.2811	0.0037	981106	2.50E+02
4.161 M 17	-	84.2811	0.0037	981106	2.50E+02
STABLE	51.45% 40	88.7673	0.0024	200410	0.00E+00
809.2 MS 20	-	86.4483	0.0024	200410	8.09E-01
STABLE	11.22% 5	87.8904	0.0023	200102	0.00E+00
4.35 US 14	-	84.7231	0.0023	200102	4.35E-06
STABLE	17.15% 8	88.4539	0.0023	200101	0.00E+00
1.53E+6 Y 10	-	87.117	0.0023	970306	4.83E+13

STABLE	17.38% 28	87.2668	0.0024	920513	0.00E+00
64.032 D 6	-	85.6578	0.0024	200009	5.53E+06
3.9E+20 Y GT	2.80% 9	85.4428	0.0028	01VA34	1.23E+28
16.744 H 11	-	82.9466	0.0028	931105	6.03E+04
30.7 S 4	-	81.2869	0.0199	200305	3.07E+01
2.1 S 1	-	77.7685	0.02	199501	2.10E+00
7.1 S 4	-	76.6043	0.0358	970529	7.10E+00
2.3 S 1	-	73.4572	0.0314	980218	2.30E+00
2.9 S 2	-	71.7425	0.0506	980424	2.90E+00
1.3 S 1	-	68.372	0.1087	200108	1.30E+00
1.2 S 3	-	66.341	0.4010 S	200002	1.20E+00
0.6 S 1	-	62.364	0.4010 S	Work04	6.00E-01
150 NS GT	-	59.699	0.5030 S	970421	1.50E-07
150 MS AP	-	55.191	0.2980 S	200002	1.50E-01
80 MS SY	-	52.201	0.5960 S	200012	8.00E-02
80 MS SY	-	52.201	0.5960 S	200012	8.00E-02
150 NS GT	-	47.283	0.5030 S	199905	1.50E-07
150 NS GT	-	47.283	0.5030 S	199905	1.50E-07
150 NS GT	-	43.901	0.8010 S	200003	1.50E-07
0.8 S AP	-	47.478	1.4980 S	970206	8.00E-01
0.8 S AP	-	47.478	1.4980 S	970206	8.00E-01
0.8 S AP	-	47.478	1.4980 S	970206	8.00E-01
50 MS 5	-	52.974	0.2980 S	200305	5.00E-02
4.1 S 3	-	58.9586	0.3149	200105	4.10E+00
9.5 S 10	-	61.879	0.2980 S	03DO01	9.50E+00
9.5 S 10	-	61.879	0.2980 S	03DO01	9.50E+00
20.9 S 7	-	67.1491	0.224	910426	2.09E+01
56 S 8	-	69.8264	0.0855	200112	5.60E+01
88 S 1	-	69.8264	0.0855	200112	8.80E+01
3.75 M 9	-	74.1832	0.0606	200205	2.25E+02
2.6 M 1	-	74.1794	0.0606	200205	1.56E+02
14.55 M 6	-	76.0731	0.1005	Work04	8.73E+02
7.78 M 5	-	76.0731	0.1005	Work04	4.67E+02
2.03 H 7	-	80.6504	0.0268	981106	7.31E+03
66 M 2	-	80.6154	0.0268	981106	3.96E+03
14.60 H 5	-	82.6563	0.0046	980107	5.26E+04
63 US 2	-	82.5339	0.0046	980107	6.30E-05
18.81 S 6	-	82.5316	0.0046	980107	1.88E+01
6.19 MS 8	-	82.2743	0.0046	980107	6.19E-03
6.8E+2 Y 13	-	86.6324	0.0038	199902	2.15E+10
60.86 D 22	-	86.5278	0.0038	199902	5.26E+06
60.86 D 22	-	86.5278	0.0038	199902	5.26E+06
3.76 US 12	-	84.5981	0.0038	199902	3.76E-06
3.47E+7 Y 24	-	86.4483	0.0028	200101	1.10E+15
3.47E+7 Y 24	-	86.4483	0.0028	200101	1.10E+15
10.15 D 2	-	86.3128	0.0028	200101	8.77E+05
STABLE	-100%	87.2083	0.0024	199703	0.00E+00
16.13 Y 14	-	87.1775	0.0024	199703	5.09E+08
2.03E+4 Y 16	-	86.3645	0.0024	920513	6.41E+11
6.263 M 4	-	86.3235	0.0024	920513	3.76E+02
6.263 M 4	-	86.3235	0.0024	920513	3.76E+02
34.991 D 6	-	86.7819	0.002	200009	3.02E+06

3.61 D 3	-	86.5462	0.002	200009	3.12E+05
3.61 D 3	-	86.5462	0.002	200009	3.12E+05
23.35 H 5	-	85.6037	0.0037	930428	8.41E+04
72.1 M 7	-	85.6056	0.0026	931105	4.33E+03
58.7 S 18	-	84.8626	0.0026	92KAZM	5.87E+01
2.86 S 6	-	83.5285	0.0057	200305	2.86E+00
51.3 M 4	-	83.4445	0.0057	200305	3.08E+03
51.3 M 4	-	83.4445	0.0057	200305	3.08E+03
15.0 S 2	-	82.327	0.0133	199501	1.50E+01
2.6 M 2	-	81.9616	0.0133	199501	1.56E+02
2.6 M 2	-	81.9616	0.0133	199501	1.56E+02
1.5 S 2	-	79.9393	0.0257	970529	1.50E+00
2.99 S 11	-	79.4393	0.0257	970529	2.99E+00
7.1 S 3	-	78.9422	0.0189	980218	7.10E+00
1.3 S 2	-	76.3475	0.0407	980424	1.30E+00
4.3 S 4	-	76.3475	0.0407	980424	4.30E+00
1.5 S 2	-	75.317	0.0678	200108	1.50E+00
4.9 S 3	-	72.2237	0.1048	200002	4.90E+00
4.9 S 3	-	72.2237	0.1048	200002	4.90E+00
0.94 S 4	-	72.0087	0.1048	200002	9.40E-01
0.94 S 4	-	72.0087	0.1048	200002	9.40E-01
2.95 S 6	-	70.8527	0.0998	Work04	2.95E+00
2.95 S 6	-	70.8527	0.0998	Work04	2.95E+00
1.02 S 5	-	67.096	0.1960 S	940816	1.02E+00
1.02 S 5	-	67.096	0.1960 S	96ME09	1.02E+00
330 MS 50	-	64.916	0.4010 S	200002	3.30E-01
0.193 S 17	-	60.696	0.2980 S	200012	1.93E-01
0.193 S 17	-	60.696	0.2980 S	200012	1.93E-01
0.19 S 3	-	58.097	0.5030 S	199905	1.90E-01
0.19 S 3	-	58.097	0.5030 S	199905	1.90E-01
0.17 S 2	-	53.617	0.5030 S	200003	1.70E-01
0.17 S 2	-	53.617	0.5030 S	200003	1.70E-01
80. MS SY	-	50.627	0.5030 S	200310	8.00E-02
150 NS GT	-	45.802	0.6990 S	971209	1.50E-07
30 MS SY	-	42.197	0.8010 S	Work04	3.00E-02
6 MS +30-3	-	47.748	0.5030 S	01KI13	6.00E-03
3.7 S +10-8	-	55.806	0.4010 S	01KI13	3.70E+00
3.2 S 2	-	59.103	0.2800 S	99HU05	3.20E+00
3.2 S 2	-	59.103	0.2800 S	99HU05	3.20E+00
19.6 S 11	-	64.5564	0.4384	200112	1.96E+01
14.02 S 26	-	67.6949	0.2233	200205	1.40E+01
14.02 S 26	-	67.6949	0.2233	200205	1.40E+01
8.0 M 2	-	72.7001	0.0204	Work04	4.80E+02
2.11 M 10	-	75.0039	0.0155	981106	1.27E+02
190 MS 15	-	74.6164	0.0155	981106	1.90E-01
5.56 H 9	-	80.1673	0.0061	980107	2.00E+04
15.49 M 1	-	82.2042	0.0112	199902	9.29E+02
64.6 S 6	-	81.5512	0.0112	199902	6.46E+01
64.6 S 6	-	81.5512	0.0112	199902	6.46E+01
STABLE	14.84% 35	86.805	0.0038	200101	0.00E+00
4.0E+3 Y 8	-	86.8035	0.0038	970306	1.26E+11
6.85 H 7	-	84.3786	0.0038	970306	2.47E+04

6.85 H 7	-	84.3786	0.0038	970306	2.47E+04
STABLE	9.25% 12	88.4097	0.0019	970729	0.00E+00
STABLE	15.92% 13	87.7075	0.0019	200009	0.00E+00
STABLE	16.68% 2	88.7905	0.0019	930428	0.00E+00
STABLE	9.55% 8	87.5404	0.0019	931105	0.00E+00
STABLE	24.13% 31	88.1117	0.0019	200305	0.00E+00
2.7489 D 6	-	85.9658	0.0019	04SC04	2.38E+05
0.78E+19 Y 8	9.63% 23	86.1843	0.0059	04KO61	2.46E+26
14.61 M 3	-	83.5112	0.0059	980218	8.77E+02
11.3 M 2	-	83.5575	0.0208	200107	6.78E+02
67.5 S 15	-	80.847	0.0608	200108	6.75E+01
60 S 2	-	80.3287	0.0537	200002	6.00E+01
35.6 S 16	-	77.3377	0.0711	Work04	3.56E+01
8.4 S 5	-	76.2551	0.0179	940816	8.40E+00
3.5 S 5	-	72.9429	0.1616	200002	3.50E+00
1.09 S 2	-	71.303	0.1960 S	200012	1.09E+00
0.53 S 6	-	67.245	0.2980 S	199905	5.30E-01
0.27 S 1	-	65.456	0.4010 S	04WA03	2.70E-01
200. MS SY	-	61.097	0.4010 S	200310	2.00E-01
150 NS GT	-	58.833	0.5960 S	970421	1.50E-07
100 MS SY	-	54.138	0.5960 S	Work04	1.00E-01
80 MS SY	-	51.307	0.6990 S	200301	8.00E-02
60 MS SY	-	46.305	0.8010 S	Work04	6.00E-02
60 MS SY	-	46.305	0.8010 S	Work04	6.00E-02
0.5 S AP	-	47.665	0.4010 S		5.00E-01
54 MS 7	-	53.207	0.2980 S	200112	5.40E-02
1.11 US 21	-	51.762	0.2980 S	200112	1.11E-06
2.2 S 2	-	59.122	0.2980 S	200205	2.20E+00
5.8 S 2	-	62.71	0.2010 S	Work04	5.80E+00
6.4 S 8	-	62.71	0.2010 S	Work04	6.40E+00
12.8 S 9	-	67.844	0.2010 S	200410	1.28E+01
12.9 S 8	-	67.7814	0.2010 S	200410	1.29E+01
12.9 S 8	-	67.7814	0.2010 S	200410	1.29E+01
8.7 S 2	-	71.2066	0.2422	980107	8.70E+00
49.2 S 4	-	70.7066	0.2422	980107	4.92E+01
3.14 M 2	-	75.9842	0.2003	199902	1.88E+02
3.3 M 1	-	75.8449	0.2003	199902	1.98E+02
3.3 M 1	-	75.8449	0.2003	199902	1.98E+02
4.25 M 15	-	78.9346	0.026	200101	2.55E+02
2.75 H 5	-	83.6025	0.0039	200103	9.90E+03
43.5 M 10	-	83.2107	0.0039	200103	2.61E+03
43.5 M 10	-	83.2107	0.0039	200103	2.61E+03
10.2 US 3	-	81.4173	0.0039	200103	1.02E-05
293 M 1	-	84.154	0.0045	920513	1.76E+04
52.0 M 10	-	84.079	0.0045	920513	3.12E+03
52.0 M 10	-	84.079	0.0045	920513	3.12E+03
20.0 H 1	-	86.0169	0.0054	951012	7.20E+04
61 D 2	-	85.978	0.0054	951012	5.27E+06
61 D 2	-	85.978	0.0054	951012	5.27E+06
4.28 D 7	-	85.8173	0.0055	930428	3.70E+05
51.5 M 10	-	85.7833	0.0055	930428	3.09E+03
51.5 M 10	-	85.7833	0.0055	930428	3.09E+03

4.21E+6 Y 16	-	87.2201	0.0045	98KO27	1.33E+14
91.4 D 8	-	87.1231	0.0045	98KO27	7.90E+06
91.4 D 8	-	87.1231	0.0045	98KO27	7.90E+06
4.2E+6 Y 3	-	86.4278	0.0038	200305	1.33E+14
2.111E+5 Y 12	-	87.3231	0.002	200107	6.66E+12
6.0058 H 12	-	87.1804	0.002	04SC04	2.16E+04
6.0058 H 12	-	87.1804	0.002	04SC04	2.16E+04
15.8 S 1	-	86.0162	0.0022	970529	1.58E+01
15.8 S 1	-	86.0162	0.0022	970529	1.58E+01
14.22 M 1	-	86.3358	0.0241	980218	8.53E+02
636 US 8	-	86.1283	0.0241	980218	6.36E-04
5.28 S 15	-	84.5657	0.0094	980424	5.28E+00
4.35 M 7	-	84.5657	0.0094	980424	2.61E+02
4.35 M 7	-	84.5657	0.0094	980424	2.61E+02
54.2 S 8	-	84.597	0.01	200108	5.42E+01
18.3 M 3	-	82.4862	0.0457	200002	1.10E+03
7.6 M 1	-	82.2877	0.0551	Work04	4.56E+02
35.6 S 6	-	79.7751	0.0133	940816	3.56E+01
21.2 S 2	-	79.1029	0.1501	200002	2.12E+01
5.17 S 7	-	75.9529	0.1265	200012	5.17E+00
0.86 S 4	-	74.5357	0.0963	199905	8.60E-01
0.86 S 4	-	74.5357	0.0963	199905	8.60E-01
0.92 S 3	-	70.9608	0.0765	200003	9.20E-01
0.92 S 3	-	70.9608	0.0765	200003	9.20E-01
290 MS 20	-	69.2167	0.1087	200310	2.90E-01
290 MS 20	-	69.2167	0.1087	200310	2.90E-01
0.29 S 2	-	65.9996	0.1242	99WA09	2.90E-01
0.29 S 2	-	65.9996	0.1242	99WA09	2.90E-01
170 MS 20	-	63.724	0.2980	S Work04	1.70E-01
170 MS 20	-	63.724	0.2980	S Work04	1.70E-01
150 MS 30	-	59.727	0.5960	S 200301	1.50E-01
150 MS 30	-	59.727	0.5960	S 200301	1.50E-01
100 MS SY	-	57.11	0.6990	S Work04	1.00E-01
100 MS SY	-	57.11	0.6990	S Work04	1.00E-01
90 MS SY	-	52.751	0.6990	S 200104	9.00E-02
40 MS SY	-	49.854	0.6990	S 200205	4.00E-02
150 NS GT	-	45.196	0.9040	S 971209	1.50E-07
1.5 US GT	-	47.339	0.5960	S	1.50E-06
1.2 S +3-2	-	55.647	0.4010	S Work04	1.20E+00
1.2 S +3-2	-	55.647	0.4010	S Work04	1.20E+00
1.5 S 2	-	59.513	0.5030	S 200410	1.50E+00
1.5 S 2	-	59.513	0.5030	S 200410	1.50E+00
11.7 S 9	-	65.307	0.2980	S 04DE40	1.17E+01
7.9 S 4	-	68.658	0.5830	S 04DE40	7.90E+00
7.6 S 8	-	68.658	0.5830	S 199902	7.60E+00
7.6 S 8	-	68.658	0.5830	S 199902	7.60E+00
7.6 S 8	-	68.658	0.5830	S 199902	7.60E+00
3.65 M 5	-	74.408	0.2980	S 200101	2.19E+02
59.7 S 6	-	77.2655	0.0851	970428	5.97E+01
10.8 S 3	-	76.5311	0.0851	970428	1.08E+01
10.8 S 3	-	76.5311	0.0851	970428	1.08E+01
10.8 S 3	-	76.5311	0.0851	970428	1.08E+01

51.8 M 6	-	82.5679	0.0127	920513	3.11E+03
1.643 H 14	-	83.4498	0.0119	940405	5.91E+03
STABLE	5.54% 14	86.0721	0.0079	200110	0.00E+00
2.791 D 4	-	86.1122	0.0084	94KOZT	2.41E+05
STABLE	1.87% 3	88.2245	0.0063	200305	0.00E+00
STABLE	12.76% 14	87.617	0.002	199501	0.00E+00
STABLE	12.60% 7	89.219	0.002	970529	0.00E+00
STABLE	17.06% 2	87.9497	0.002	980218	0.00E+00
STABLE	31.55% 14	89.098	0.002	980424	0.00E+00
39.26 D 2	-	87.2588	0.002	200108	3.39E+06
1.69 MS 7	-	87.0206	0.002	200108	1.69E-03
STABLE	18.62% 27	88.0889	0.0031	200002	0.00E+00
4.44 H 2	-	85.9277	0.0031	Work04	1.60E+04
373.59 D 15	-	86.3221	0.0075	940816	3.23E+07
3.75 M 5	-	83.9229	0.1237	200002	2.25E+02
4.55 M 5	-	83.6729	0.1162	200012	2.73E+02
34.5 S 10	-	80.8507	0.0661	199905	3.45E+01
11.6 S 6	-	79.9818	0.0532	200003	1.16E+01
2.12 S 7	-	76.6657	0.0736	200310	2.12E+00
1.75 S 7	-	75.4836	0.0736	970102	1.75E+00
0.80 S 5	-	72.2027	0.07	Work04	8.00E-01
510 MS 30	-	72.0727	0.07	Work04	5.10E-01
510 MS 30	-	72.0727	0.07	Work04	5.10E-01
0.53 S 6	-	70.532	0.2300	S 200301	5.30E-01
740 MS 80	-	66.4284	0.1287	Work04	7.40E-01
740 MS 80	-	66.4284	0.1287	Work04	7.40E-01
400 MS SY	-	64.45	0.6990	S 200104	4.00E-01
300 MS SY	-	60.007	0.6990	S 200205	3.00E-01
150 NS GT	-	57.92	0.8010	S	1.50E-07
150 NS GT	-	53.244	0.6990	S 200008	1.50E-07
150 NS GT	-	50.943	0.8010	S 200209	1.50E-07
1.5 US GT	-	47.658	0.4480	S 200410	1.50E-06
12 MS +9-4	-	53.216	0.5030	S 01KI13	1.20E-02
1.0 S +3-2	-	53.216	0.5030	S 01KI13	1.00E+00
1.47 S 22	-	59.103	0.4010	S 04DE40	1.47E+00
1.46 S 11	-	59.103	0.4010	S 04DE40	1.46E+00
0.5 S 4	-	63.36	0.4010	S 04DE40	5.00E-01
4.66 S 25	-	63.36	0.4010	S 04DE40	4.66E+00
11.9 S 7	-	69.173	0.4010	S 04DE40	1.19E+01
25.8 S 2	-	72.938	0.4470	S 920513	2.58E+01
70.6 S 6	-	72.938	0.4470	S 920513	7.06E+01
5.02 M 10	-	78.3398	0.1505	940405	3.01E+02
1.96 M 4	-	77.7968	0.1505	940405	1.18E+02
1.96 M 4	-	77.7968	0.1505	940405	1.18E+02
9.90 M 10	-	79.6794	0.0127	930428	5.94E+02
1.51 M 2	-	79.6274	0.0127	930428	9.06E+01
1.51 M 2	-	79.6274	0.0127	930428	9.06E+01
30.7 M 6	-	82.5892	0.0363	931105	1.84E+03
46.2 M 16	-	82.3302	0.0363	931105	2.77E+03
46.2 M 16	-	82.3302	0.0363	931105	2.77E+03
8.72 M 12	-	83.1748	0.0118	200305	5.23E+02
3.6 M 2	-	83.1748	0.0118	200305	2.16E+02

3.6 M 2	-	83.1748	0.0118	200305	2.16E+02
16.1 D 2	-	85.5744	0.0071	199501	1.39E+06
4.7 H 1	-	85.5101	0.0071	199501	1.69E+04
4.7 H 1	-	85.5101	0.0071	199501	1.69E+04
20.8 H 1	-	85.5842	0.0182	970529	7.49E+04
4.6 M 2	-	85.5842	0.0182	970529	2.76E+02
4.6 M 2	-	85.5842	0.0182	970529	2.76E+02
3.3 Y 3	-	87.408	0.0172	980218	1.04E+08
4.34 D 1	-	87.2507	0.0172	980218	3.75E+05
4.34 D 1	-	87.2507	0.0172	980218	3.75E+05
207 D 3	-	86.775	0.0049	199804	1.79E+07
207 D 3	-	86.775	0.0049	199804	1.79E+07
2.9 Y AP	-	86.6342	0.0049	199804	9.15E+07
2.9 Y AP	-	86.6342	0.0049	199804	9.15E+07
STABLE	-100%	88.0222	0.0028	200108	0.00E+00
56.114 M 9	-	87.9824	0.0028	200108	3.37E+03
42.3 S 4	-	86.9498	0.0028	200002	4.23E+01
42.3 S 4	-	86.9498	0.0028	200002	4.23E+01
4.34 M 3	-	86.8208	0.0028	200002	2.60E+02
4.34 M 3	-	86.8208	0.0028	200002	2.60E+02
35.36 H 6	-	87.8456	0.004	Work04	1.27E+05
42.9 S 3	-	87.7158	0.004	Work04	4.29E+01
29.80 S 8	-	86.3615	0.0075	940816	2.98E+01
131 M 2	-	86.2245	0.0075	940816	7.86E+03
21.7 M 4	-	86.8633	0.0119	200002	1.30E+03
16.8 S 5	-	85.0193	0.1051	200012	1.68E+01
6.0 M 3	-	85.0193	0.1051	200012	3.60E+02
80 S 2	-	85.0107	0.012	199905	8.00E+01
3.2 S 2	-	82.7759	0.0504	200003	3.20E+00
28.5 S 15	-	82.7759	0.0504	200003	2.85E+01
11 S 1	-	82.3572	0.0296	200310	1.10E+01
3.45 S 37	-	79.7413	0.0516	99LH01	3.45E+00
6.73 S 15	-	79.7413	0.0516	99LH01	6.73E+00
2.80 S 12	-	78.6827	0.049	Work04	2.80E+00
1.85 S 5	-	75.6317	0.1127	200301	1.85E+00
1.85 S 5	-	75.6317	0.1127	200301	1.85E+00
0.99 S 5	-	74.2084	0.081	Work04	9.90E-01
0.68 S 6	-	70.7358	0.1379	200104	6.80E-01
0.57 S 5	-	70.5858	0.1379	200104	5.70E-01
0.44 S 4	-	68.949	0.5030	S 200205	4.40E-01
0.30 S 6	-	65.139	0.5030	S 00jo18	3.00E-01
150 NS GT	-	63.239	0.5960	S 200008	1.50E-07
150 NS GT	-	59.234	0.5960	S	1.50E-07
150 NS GT	-	57.082	0.9040	S	1.50E-07
50 MS AP	-	52.9	0.6990	S NUBASE	5.00E-02
1 US GT	-	47.403	0.5660	S 199902	1.00E-06
0.7 S +4-2	-	55.498	0.5030	S 200101	7.00E-01
1.3 S 2	-	59.699	0.4010	S 200103	1.30E+00
1.3 S 2	-	59.699	0.4010	S 200103	1.30E+00
9.3 S +25-17	-	59.699	0.4010	S 200103	9.30E+00
9.3 S +25-17	-	59.699	0.4010	S 200103	9.30E+00
9.0 S 5	-	66.35	0.4010	S 200209	9.00E+00

10 S SY	-	70.151	0.4010 S	NUBASE	1.00E+01
13.3 S 3	-	68.151	0.4010 S	199510	1.33E+01
13.3 S 3	-	68.151	0.4010 S	199510	1.33E+01
13.3 S 3	-	68.151	0.4010 S	199510	1.33E+01
122 S 2	-	76.2294	0.1505	930428	1.22E+02
3.10 M 9	-	77.7992	0.3022	200103	1.86E+02
17.7 M 3	-	81.2999	0.0215	200305	1.06E+03
21.4 M 2	-	82.1877	0.0152	199501	1.28E+03
3.63 D 9	-	85.2262	0.0113	970529	3.14E+05
8.47 H 6	-	85.428	0.0177	980218	3.05E+04
STABLE	1.02% 1	87.9251	0.003	980424	0.00E+00
16.991 D 19	-	87.4791	0.0029	200108	1.47E+06
STABLE	11.14% 8	89.39	0.0041	200002	0.00E+00
STABLE	22.33% 8	88.4128	0.0041	Work04	0.00E+00
STABLE	27.33% 3	89.9025	0.0041	940816	0.00E+00
6.5E+6 Y 3	-	88.3676	0.0041	200002	2.05E+14
21.3 S 5	-	88.153	0.0041	200002	2.13E+01
STABLE	26.46% 9	89.5243	0.0034	200012	0.00E+00
13.7012 H 24	-	87.6066	0.0034	199905	4.93E+04
4.696 M 3	-	87.4176	0.0034	199905	2.82E+02
STABLE	11.72% 9	88.3492	0.0109	200003	0.00E+00
23.4 M 2	-	86.0042	0.0109	200310	1.40E+03
5.5 H 1	-	85.832	0.0109	200310	1.98E+04
5.5 H 1	-	85.832	0.0109	200310	1.98E+04
21.03 H 5	-	86.3364	0.0179	199701	7.57E+04
93 S 5	-	83.692	0.0358	Work04	9.30E+01
100 S GE	-	83.692	0.0358	Work04	1.00E+02
0.3 S 1	-	83.6109	0.0358	Work04	3.00E-01
2.42 M 6	-	83.4967	0.0236	200301	1.45E+02
25 S 2	-	80.403	0.061	Work04	2.50E+01
50 S 3	-	80.3138	0.061	Work04	5.00E+01
50 S 3	-	80.3138	0.061	Work04	5.00E+01
11.8 S 4	-	79.9607	0.0556	200104	1.18E+01
4.3 S 3	-	76.5303	0.0595	200205	4.30E+00
19.1 MS 7	-	76.3271	0.0595	200205	1.91E-02
1.9 S 1	-	75.4656	0.2099	950531	1.90E+00
0.92 S 13	-	71.623	0.2980 S	200002	9.20E-01
0.5 S 1	-	70.1491	0.1239	200209	5.00E-01
150 NS GT	-	66.257	0.5030 S		1.50E-07
150 NS GT	-	64.692	0.4010 S	Work04	1.50E-07
150 NS GT	-	64.692	0.4010 S	Work04	1.50E-07
150 NS GT	-	60.612	0.5960 S	200410	1.50E-07
0.2 S AP	-	58.796	0.5030 S	NUBASE	2.00E-01
1.5 US GT	-	46.78	0.5960 S	NUBASE	1.50E-06
1.5 US GT	-	46.78	0.5960 S	NUBASE	1.50E-06
26 MS +26-9	-	53.3	0.5030 S	200209	2.60E-02
26 MS +26-9	-	53.3	0.5030 S	200209	2.60E-02
0.47 S 8	-	53.3	0.5030 S	04PI01	4.70E-01
0.47 S 8	-	53.3	0.5030 S	04PI01	4.70E-01
0.59 S 2	-	53.3	0.5030 S	04PI01	5.90E-01
0.59 S 2	-	53.3	0.5030 S	04PI01	5.90E-01
2.0 S 1	-	60.1	0.4010 S	ENAM95	2.00E+00

2.0 S 1	-	60.1	0.4010	S	ENAM95	2.00E+00
4.40 S 6	-	64.571	0.4010	S	03BA39	4.40E+00
4.40 S 6	-	64.571	0.4010	S	03BA39	4.40E+00
6.9 S 6	-	64.571	0.4010	S	03BA39	6.90E+00
6.9 S 6	-	64.571	0.4010	S	03BA39	6.90E+00
25.9 S 4	-	70.8192	0.3216		99HU10	2.59E+01
47.5 S 3	-	73.0606	0.067		200305	4.75E+01
47.5 S 3	-	73.0606	0.067		200305	4.75E+01
124 S 3	-	76.7577	0.1508		199501	1.24E+02
10.5 S 5	-	76.2516	0.1508		199501	1.05E+01
2.01 M 9	-	78.1484	0.0771		970529	1.21E+02
2.24 M 13	-	78.1329	0.0771		970529	1.34E+02
2.24 M 13	-	78.1329	0.0771		970529	1.34E+02
11.1 M 3	-	81.2242	0.1044		980218	6.66E+02
3.10 S 10	-	80.9501	0.1044		980218	3.10E+00
12.9 M 3	-	82.2649	0.0279		980424	7.74E+02
7.7 M 5	-	82.2556	0.0279		980424	4.62E+02
7.7 M 5	-	82.2556	0.0279		980424	4.62E+02
65.7 M 7	-	84.7914	0.0167		200108	3.94E+03
5.7 S 3	-	84.6569	0.0167		200108	5.70E+00
69.2 M 10	-	85.1114	0.0058		200002	4.15E+03
33.5 M 20	-	85.1045	0.0058		200002	2.01E+03
33.5 M 20	-	85.1045	0.0058		200002	2.01E+03
41.29 D 7	-	87.068	0.011		Work04	3.57E+06
7.23 M 16	-	87.0425	0.011		Work04	4.34E+02
23.96 M 4	-	86.9373	0.0049		940816	1.44E+03
23.96 M 4	-	86.9373	0.0049		940816	1.44E+03
8.28 D 2	-	86.8474	0.0049		940816	7.15E+05
STABLE	51.839% 8	88.4017	0.0043		200002	0.00E+00
44.5 S 8	-	88.3086	0.0043		00Yo07	4.45E+01
2.37 M 1	-	87.6018	0.0043		200012	1.42E+02
2.37 M 1	-	87.6018	0.0043		200012	1.42E+02
438 Y 9	-	87.4924	0.0043		04SC04	1.38E+10
438 Y 9	-	87.4924	0.0043		04SC04	1.38E+10
STABLE	48.161% 8	88.7227	0.0029		199905	0.00E+00
38.0 S 12	-	88.6347	0.0029		00yo07	3.80E+01
24.6 S 2	-	87.4606	0.0029		200003	2.46E+01
24.6 S 2	-	87.4606	0.0029		200003	2.46E+01
249.76 D 4	-	87.343	0.0029		200003	2.16E+07
249.76 D 4	-	87.343	0.0029		200003	2.16E+07
7.45 D 1	-	88.2207	0.003		200310	6.44E+05
64.8 S 8	-	88.1609	0.003		200310	6.48E+01
64.8 S 8	-	88.1609	0.003		200310	6.48E+01
3.130 H 9	-	86.6245	0.0169		970102	1.13E+04
5.37 H 5	-	87.0327	0.0166		Work04	1.93E+04
68.7 S 16	-	86.9892	0.0166		Work04	6.87E+01
68.7 S 16	-	86.9892	0.0166		Work04	6.87E+01
4.6 S 1	-	84.9488	0.0248		200301	4.60E+00
1.50 MS 5	-	84.7498	0.0248		200301	1.50E-03
20.0 M 5	-	84.987	0.0349		Work04	1.20E+03
18.0 S 7	-	84.9458	0.0349		Work04	1.80E+01
18.0 S 7	-	84.9458	0.0349		Work04	1.80E+01

2.68 M 10	-	82.5677	0.0468	200104	1.61E+02
8.6 S 3	-	82.4858	0.0468	200104	8.60E+00
8.6 S 3	-	82.4858	0.0468	200104	8.60E+00
72.8 S +20-7	-	82.2653	0.0501	200205	7.28E+01
5.34 S 5	-	82.2367	0.0501	200205	5.34E+00
5.34 S 5	-	82.2367	0.0501	200205	5.34E+00
3.76 S 15	-	79.5656	0.0638	950531	3.76E+00
2.0 S 2	-	79.4376	0.0638	950531	2.00E+00
2.0 S 2	-	79.4376	0.0638	950531	2.00E+00
2.1 S 1	-	78.5575	0.0898	200002	2.10E+00
6.0 S 5	-	78.5575	0.0898	200002	6.00E+00
1.23 S 4	-	75.6491	0.0732	200209	1.23E+00
1.23 S 4	-	75.6491	0.0732	200209	1.23E+00
0.40 S 3	-	75.4461	0.0732	03wa13	4.00E-01
0.40 S 3	-	75.4461	0.0732	03wa13	4.00E-01
0.79 S 2	-	74.6611	0.1468	200005	7.90E-01
0.79 S 2	-	74.6611	0.1468	200005	7.90E-01
0.529 S 13	-	71.231	0.2050 S	Work04	5.29E-01
0.529 S 13	-	71.231	0.2050 S	Work04	5.29E-01
1.5 S 5	-	71.151	0.2050 S	Work04	1.50E+00
1.5 S 5	-	71.151	0.2050 S	Work04	1.50E+00
0.300 S 5	-	69.955	0.2050 S	200410	3.00E-01
0.300 S 5	-	69.955	0.2050 S	200410	3.00E-01
0.172 S 5	-	66.471	0.1960 S	970508	1.72E-01
0.172 S 5	-	66.471	0.1960 S	970508	1.72E-01
166 MS 7	-	64.804	0.2980 S	199907	1.66E-01
166 MS 7	-	64.804	0.2980 S	199907	1.66E-01
107 MS 12	-	61.013	0.2980 S	200301	1.07E-01
107 MS 12	-	61.013	0.2980 S	200301	1.07E-01
79 MS 3	-	58.898	0.2980 S	96WOZZ	7.90E-02
58 MS 5	-	54.8	0.2980 S	200112	5.80E-02
58 MS 5	-	54.8	0.2980 S	200112	5.80E-02
46 MS +5-9	-	52.452	0.4010 S	200307	4.60E-02
46 MS +5-9	-	52.452	0.4010 S	200307	4.60E-02
160 MS AP	-	52.452	0.4010 S	200307	1.60E-01
160 MS AP	-	52.452	0.4010 S	200307	1.60E-01
50 MS AP	-	46.157	0.3340 S	200107	5.00E-02
5 MS SY	-	46.696	0.5960 S	NUBASE	5.00E-03
5 MS SY	-	46.696	0.5960 S	NUBASE	5.00E-03
1 S AP	-	56.104	0.5030 S	NUBASE	1.00E+00
2.8 S 6	-	60.603	0.4010 S	96SCZY	2.80E+00
2.8 S 6	-	60.603	0.4010 S	96SCZY	2.80E+00
9.2 S 3	-	67.6306	0.078	200305	9.20E+00
9.2 S 3	-	67.6306	0.078	200305	9.20E+00
16 S 3	-	69.853	0.2050 S	199501	1.60E+01
16 S 3	-	69.853	0.2050 S	199501	1.60E+01
16 S 3	-	69.853	0.2050 S	199501	1.60E+01
49.1 S 5	-	74.2498	0.0953	970529	4.91E+01
1.36 M 5	-	75.7477	0.1509	980218	8.16E+01
5.5 M 5	-	79.6779	0.0291	980424	3.30E+02
7.3 M 1	-	80.6495	0.0154	200108	4.38E+02
57.7 M 10	-	83.9747	0.0095	200002	3.46E+03

55.5 M 4	-	84.3301	0.0115	Work04	3.33E+03
2.6E+17 Y GE	1.25% 6	87.1325	0.0059	940816	8.20E+24
6.50 H 2	-	86.9848	0.0058	200002	2.34E+04
1.0E+18 Y GT	0.89% 3	89.2523	0.0056	03KI08	3.16E+25
461.4 D 12	-	88.5084	0.0039	03DE	3.99E+07
STABLE	12.49% 18	90.353	0.0027	200003	0.00E+00
STABLE	12.80% 12	89.2575	0.0027	200310	0.00E+00
48.50 M 9	-	88.8613	0.0027	200310	2.91E+03
STABLE	24.13% 21	90.5805	0.0027	970102	0.00E+00
7.7E+15 Y 3	12.22% 12	89.0493	0.0027	Work04	2.43E+23
14.1 Y 5	-	88.7858	0.0027	Work04	4.45E+08
14.1 Y 5	-	88.7858	0.0027	Work04	4.45E+08
6.4E+18 Y GT	28.73% 42	90.0209	0.0027	03KI08	2.02E+26
53.46 H 5	-	88.0905	0.0027	Work04	1.92E+05
44.56 D 24	-	87.9095	0.0027	Work04	3.85E+06
3.1E+19 Y 4	7.49% 18	88.7194	0.0032	04KO61	9.78E+26
2.49 H 4	-	86.4253	0.0033	200205	8.96E+03
3.36 H 5	-	86.2889	0.0033	200205	1.21E+04
50.3 M 2	-	86.7086	0.0202	950531	3.02E+03
2.69 M 2	-	83.9075	0.0804	200002	1.61E+02
2.20 M 2	-	83.761	0.0804	200002	1.32E+02
50.80 S 21	-	83.9741	0.0188	200209	5.08E+01
13.5 S 3	-	81.0611	0.0846	200005	1.35E+01
8.3 S 8	-	80.8462	0.0846	200005	8.30E+00
5.24 S 3	-	80.7303	0.043	Work04	5.24E+00
2.10 S 2	-	77.3112	0.0409	200410	2.10E+00
1.82 S 3	-	76.9947	0.0409	200410	1.82E+00
1.82 S 3	-	76.9947	0.0409	200410	1.82E+00
1.25 S 2	-	76.7107	0.0626	970508	1.25E+00
0.65 S 2	-	73.3585	0.0689	199907	6.50E-01
0.48 S 3	-	73.3085	0.0689	199907	4.80E-01
0.515 S 17	-	72.3274	0.0541	200301	5.15E-01
0.37 S 7	-	68.5171	0.0744	960129	3.70E-01
0.28 S 4	-	67.289	0.294	200112	2.80E-01
0.27 S 4	-	63.202	0.2980	S 960516	2.70E-01
162 MS 7	-	61.57	0.2828	01HA39	1.62E-01
162 MS 7	-	61.57	0.2828	01HA39	1.62E-01
68 MS 3	-	55.266	0.2980	S 01HA39	6.80E-02
68 MS 3	-	55.266	0.2980	S 01HA39	6.80E-02
97 MS 10	-	50.72	0.5030	S Work04	9.70E-02
97 MS 10	-	50.72	0.5030	S Work04	9.70E-02
5 MS SY	-	47.003	0.5960	S NUBASE	5.00E-03
5 MS SY	-	47.003	0.5960	S NUBASE	5.00E-03
32 MS +32-11	-	53.896	0.1960	S 200305	3.20E-02
1.2 S +12-4	-	53.896	0.1960	S 200305	1.20E+00
3.0 S +8-7	-	61.274	0.4010	S 01KI13	3.00E+00
5.9 S 2	-	64.1698	0.2489	02PL03	5.90E+00
5.9 S 2	-	64.1698	0.2489	02PL03	5.90E+00
15.1 S 3	-	68.614	0.2980	S 980218	1.51E+01
15.1 S 3	-	68.614	0.2980	S 980218	1.51E+01
23.3 S 1	-	70.7095	0.1117	03GI06	2.33E+01
23.3 S 1	-	70.7095	0.1117	03GI06	2.33E+01

65 S 7	-	74.5995	0.0252	200109	6.50E+01
34 S 2	-	73.9678	0.0252	200109	3.40E+01
34 S 2	-	73.9678	0.0252	200109	3.40E+01
1.80 M 3	-	76.1066	0.0847	200002	1.08E+02
15.7 S 5	-	76.0131	0.0847	200002	1.57E+01
15.7 S 5	-	76.0131	0.0847	200002	1.57E+01
5.07 M 7	-	79.4811	0.0173	Work04	3.04E+02
48 S 6	-	78.807	0.0173	Work04	4.80E+01
6.2 M 1	-	80.6065	0.0123	940816	3.72E+02
5.2 M 1	-	80.5775	0.0123	940816	3.12E+02
32.4 M 3	-	83.5596	0.0114	200002	1.94E+03
50.4 S 6	-	82.8811	0.0114	200002	5.04E+01
58.0 M 12	-	84.1156	0.0097	200012	3.48E+03
39.6 M 7	-	84.0858	0.0097	200012	2.38E+03
4.2 H 1	-	86.4887	0.0058	199905	1.51E+04
1.34 M 7	-	85.8386	0.0058	199905	8.04E+01
0.209 S 6	-	84.3869	0.0058	199905	2.09E-01
4.9 H 1	-	86.475	0.0119	200003	1.76E+04
69.1 M 5	-	86.4129	0.0119	200003	4.15E+03
2.8047 D 5	-	88.3957	0.0048	200310	2.42E+05
7.7 M 2	-	87.8587	0.0048	200310	4.62E+02
14.97 M 10	-	87.9961	0.0051	970102	8.98E+02
14.97 M 10	-	87.9961	0.0051	970102	8.98E+02
20.56 M 6	-	87.8395	0.0051	970102	1.23E+03
STABLE	4.29% 5	89.3696	0.0032	Work04	0.00E+00
99.476 M 23	-	88.9779	0.0032	Work04	5.97E+03
71.9 S 1	-	88.5722	0.0032	200301	7.19E+01
71.9 S 1	-	88.5722	0.0032	200301	7.19E+01
49.51 D 1	-	88.3819	0.0032	200301	4.28E+06
49.51 D 1	-	88.3819	0.0032	200301	4.28E+06
43.1 MS 6	-	88.0703	0.0032	200301	4.31E-02
4.41E+14 Y 25	95.71% 5	89.5366	0.0045	Work04	1.39E+22
4.486 H 4	-	89.2004	0.0045	Work04	1.61E+04
4.486 H 4	-	89.2004	0.0045	Work04	1.61E+04
14.10 S 3	-	88.25	0.0045	200104	1.41E+01
14.10 S 3	-	88.25	0.0045	200104	1.41E+01
54.29 M 17	-	88.1227	0.0045	200104	3.26E+03
2.18 S 4	-	87.9603	0.0045	200104	2.18E+00
43.2 M 3	-	88.945	0.0057	200205	2.59E+03
116.2 M 3	-	88.6297	0.0057	200205	6.97E+03
116.2 M 3	-	88.6297	0.0057	200205	6.97E+03
5.0 S 5	-	87.2303	0.0082	950531	5.00E+00
4.45 M 5	-	87.1703	0.0082	950531	2.67E+02
8.5 S 3	-	87.0303	0.0082	950531	8.50E+00
8.5 S 3	-	87.0303	0.0082	950531	8.50E+00
2.4 M 1	-	87.7045	0.0077	200002	1.44E+02
18.0 M 3	-	87.3931	0.0077	200002	1.08E+03
18.0 M 3	-	87.3931	0.0077	200002	1.08E+03
3.08 S 8	-	85.7351	0.0401	200209	3.08E+00
47.3 S 5	-	85.7351	0.0401	200209	4.73E+01
46.2 S 8	-	85.6651	0.0401	200209	4.62E+01
23.1 S 6	-	85.8411	0.0274	200005	2.31E+01

3.88 M 10	-	85.5281	0.0274	200005	2.33E+02
3.88 M 10	-	85.5281	0.0274	200005	2.33E+02
1.5 S 3	-	83.5774	0.0501	Work04	1.50E+00
10.3 S 6	-	83.5374	0.0501	Work04	1.03E+01
10.8 S 4	-	83.2874	0.0501	Work04	1.08E+01
6.17 S 5	-	83.4262	0.0241	200410	6.17E+00
47.4 S 4	-	83.099	0.0241	200410	4.74E+01
3.11 S 10	-	80.8767	0.049	970508	3.11E+00
3.7 S 2	-	80.8267	0.049	970508	3.70E+00
2.36 S 4	-	80.4805	0.03	199907	2.36E+00
12.2 S 2	-	80.1204	0.03	199907	1.22E+01
1.53 S 1	-	77.8134	0.0404	200301	1.53E+00
1.64 S 5	-	77.7114	0.0404	200301	1.64E+00
1.09 S 1	-	76.9851	0.0396	960129	1.09E+00
1.09 S 1	-	76.9851	0.0396	960129	1.09E+00
3.67 S 4	-	76.5231	0.0396	960129	3.67E+00
3.67 S 4	-	76.5231	0.0396	960129	3.67E+00
0.84 S 6	-	74.359	0.0486	200112	8.40E-01
0.84 S 6	-	74.359	0.0486	200112	8.40E-01
0.72 S 10	-	74.019	0.0486	200112	7.20E-01
0.72 S 10	-	74.019	0.0486	200112	7.20E-01
0.61 S 1	-	72.9388	0.0431	960516	6.10E-01
0.61 S 1	-	72.9388	0.0431	960516	6.10E-01
1.23 S 3	-	72.5588	0.0431	960516	1.23E+00
1.23 S 3	-	72.5588	0.0431	960516	1.23E+00
1.23 S 3	-	72.5588	0.0431	960516	1.23E+00
0.29 S 2	-	69.8899	0.0395	200107	2.90E-01
0.29 S 2	-	69.8899	0.0395	200107	2.90E-01
0.54 S 1	-	69.8399	0.0395	200107	5.40E-01
0.54 S 1	-	69.8399	0.0395	200107	5.40E-01
0.54 S 1	-	69.4899	0.0395	200107	5.40E-01
0.54 S 1	-	69.4899	0.0395	200107	5.40E-01
0.28 S 3	-	68.1371	0.028	199412	2.80E-01
0.28 S 3	-	68.1371	0.028	199412	2.80E-01
0.35 S 5	-	67.7741	0.028	199412	3.50E-01
0.35 S 5	-	67.7741	0.028	199412	3.50E-01
0.35 S 5	-	67.7741	0.028	199412	3.50E-01
0.32 S 6	-	63.8671	0.028	199412	3.20E-01
0.32 S 6	-	63.8671	0.028	199412	3.20E-01
0.32 S 6	-	63.8671	0.028	199412	3.20E-01
0.207 S 6	-	62.4192	0.0615	Work04	2.07E-01
0.207 S 6	-	62.4192	0.0615	Work04	2.07E-01
165 MS 3	-	57.93	0.2980 S	200204	1.65E-01
165 MS 3	-	57.93	0.2980 S	200204	1.65E-01
140 MS 4	-	52.024	0.4010 S	200410	1.40E-01
140 MS 4	-	52.024	0.4010 S	200410	1.40E-01
92 MS 10	-	47.199	0.5030 S	200204	9.20E-02
92 MS 10	-	47.199	0.5030 S	200204	9.20E-02
5 MS SY	-	47.199	0.5960 S	NUBASE	5.00E-03
5 MS SY	-	47.199	0.5960 S	NUBASE	5.00E-03
0.94 S +54-27	-	56.7798	0.7054	970529	9.40E-01
0.94 S +54-27	-	56.7798	0.7054	970529	9.40E-01

3 S 1	-	59.56	0.2980	S	980218	3.00E+00
3 S 1	-	59.56	0.2980	S	980218	3.00E+00
4.5 S 7	-	64.9295	0.1318		980424	4.50E+00
7.0 S 6	-	66.974	0.2980	S	04MU32	7.00E+00
7.0 S 6	-	66.974	0.2980	S	04MU32	7.00E+00
20.8 S 5	-	71.5916	0.1038		200002	2.08E+01
34 S 1	-	73.2625	0.0806	Work04		3.40E+01
34 S 1	-	73.2625	0.0806	Work04		3.40E+01
115 S 5	-	77.4252	0.0503		940816	1.15E+02
2.90 M 5	-	78.5768	0.0834		200002	1.74E+02
10.30 M 8	-	82.041	0.0199		200012	6.18E+02
18.0 M 2	-	82.6392	0.01		199905	1.08E+03
4.11 H 10	-	85.8439	0.0138		200003	1.48E+04
35.3 M 6	-	85.9448	0.0068		200310	2.12E+03
12.5 US 10	-	85.6901	0.0068		200310	1.25E-05
STABLE	0.97% 1	88.6613	0.0043		970102	0.00E+00
115.09 D 3	-	88.333	0.004	Work04		9.94E+06
21.4 M 4	-	88.2556	0.004	Work04		1.28E+03
21.4 M 4	-	88.2556	0.004	Work04		1.28E+03
STABLE	0.66% 1	90.5609	0.0032		200301	0.00E+00
STABLE	0.34% 1	90.036	0.0029	Work04		0.00E+00
3.26 US 8	-	89.4232	0.0029	Work04		3.26E-06
159 US 1	-	89.3224	0.0029	Work04		1.59E-04
STABLE	14.54% 9	91.5281	0.0029		200104	0.00E+00
STABLE	7.68% 7	90.4	0.0029		200205	0.00E+00
13.76 D 4	-	90.0854	0.0029		200205	1.19E+06
STABLE	24.22% 9	91.6561	0.0029		950531	0.00E+00
STABLE	8.59% 4	90.0684	0.0029		200002	0.00E+00
293.1 D 7	-	89.9789	0.0029		200002	2.53E+07
STABLE	32.58% 9	91.1051	0.0025		200209	0.00E+00
27.03 H 4	-	89.2041	0.0025		200005	9.73E+04
43.9 Y 5	-	89.1978	0.0025	02RE18		1.39E+09
43.9 Y 5	-	89.1978	0.0025	02RE18		1.39E+09
STABLE	4.63% 3	89.946	0.0027	Work04		0.00E+00
129.2 D 4	-	87.8205	0.0027		200410	1.12E+07
40.06 M 1	-	87.7959	0.0027		200410	2.40E+03
STABLE	5.79% 5	88.2367	0.0014		970508	0.00E+00
45 US 5	-	85.5801	0.0014		970508	4.50E-05
9.64 D 3	-	85.8985	0.0015		199907	8.33E+05
9.52 M 5	-	85.871	0.0015		199907	5.71E+02
2.30E+5 Y 14	-	86.0204	0.0107		200301	7.26E+12
2.10 H 4	-	83.4991	0.0246		960129	7.56E+03
4.13 M 3	-	83.4944	0.0246		960129	2.48E+02
59.07 M 14	-	83.3346	0.0272		200112	3.54E+03
6.5 S 5	-	81.2431	0.0272		200112	6.50E+00
2.23 M 4	-	80.5938	0.0289		960516	1.34E+02
6.9 M 1	-	80.5586	0.0289		960516	4.14E+02
6.9 M 1	-	80.5586	0.0289		960516	4.14E+02
3.72 M 7	-	80.1389	0.0107		200107	2.23E+02
1.7 M 1	-	78.192	0.0107		200107	1.02E+02
56.0 S 5	-	77.3142	0.0212		941214	5.60E+01
58.4 S 5	-	77.0722	0.0212		941214	5.84E+01

58.4 S 5	-	77.0722	0.0212	941214	5.84E+01
39.7 S 8	-	76.5542	0.0136	Work04	3.97E+01
2.03 US 4	-	71.7057	0.0136	Work04	2.03E-06
1.45 S 3	-	70.9526	0.0357	980107	1.45E+00
1.45 S 3	-	70.9526	0.0357	980107	1.45E+00
1.050 S 11	-	66.7958	0.0999	200410	1.05E+00
1.050 S 11	-	66.7958	0.0999	200410	1.05E+00
530 MS 20	-	60.799	0.4010	S 200204	5.30E-01
530 MS 20	-	60.799	0.4010	S 200204	5.30E-01
0.25 S 3	-	56.504	0.5030	S 200206	2.50E-01
0.25 S 3	-	56.504	0.5030	S 200206	2.50E-01
190 MS 60	-	50.31	0.5960	S 200204	1.90E-01
190 MS 60	-	50.31	0.5960	S 200204	1.90E-01
1.5 US GT	-	56.178	0.2980	S	1.50E-06
0.44 S +15-11	-	59.176	0.3620	S 200002	4.40E-01
0.44 S +15-11	-	59.176	0.3620	S 200002	4.40E-01
0.44 S +15-11	-	59.176	0.3620	S 200002	4.40E-01
1.12 S 16	-	63.8201	0.1049	Work04	1.12E+00
1.12 S 16	-	63.8201	0.1049	Work04	1.12E+00
0.6 S 2	-	66.33	0.3130	S 970421	6.00E-01
4.0 S 2	-	70.654	0.2980	S 02RE14	4.00E+00
7.4 S 3	-	72.507	0.2050	S 200012	7.40E+00
17.3 S 5	-	76.2592	0.0189	02RE14	1.73E+01
23.0 S 4	-	77.544	0.2000	S 200003	2.30E+01
75 S 1	-	80.8881	0.0279	200310	7.50E+01
51.4 S 10	-	81.6007	0.0178	970102	5.14E+01
6.67 M 7	-	84.4197	0.0176	Work04	4.00E+02
3.49 M 3	-	84.5154	0.0279	200301	2.09E+02
32.1 M 3	-	87.0034	0.016	Work04	1.93E+03
6.2 NS 3	-	85.7032	0.016	Work04	6.20E-09
159 NS 3	-	84.2071	0.016	Work04	1.59E-07
4.1 NS 2	-	83.3438	0.016	Work04	4.10E-09
15.8 M 8	-	86.8212	0.0058	200104	9.48E+02
60.3 M 6	-	86.4382	0.0058	200104	3.62E+03
2.80 H 1	-	88.6448	0.0094	200205	1.01E+04
2.80 H 1	-	88.6448	0.0094	200205	1.01E+04
355 US 17	-	85.514	0.0094	200205	3.55E-04
3.6 M 1	-	87.9994	0.0041	950531	2.16E+02
5.00 H 2	-	87.7494	0.0041	950531	1.80E+04
38.19 H 22	-	89.4774	0.0082	200002	1.37E+05
0.85 S 9	-	86.6357	0.0082	200002	8.50E-01
15.89 M 4	-	88.4245	0.0076	200209	9.53E+02
5.76 D 2	-	88.4245	0.0076	200209	4.98E+05
STABLE	57.21% 5	89.5951	0.0022	200005	0.00E+00
2.7238 D 2	-	88.3302	0.0022	Work04	2.35E+05
2.7238 D 2	-	88.3302	0.0022	Work04	2.35E+05
0.53 MS 3	-	88.1927	0.0022	Work04	5.30E-04
4.191 M 3	-	88.1666	0.0022	Work04	2.51E+02
STABLE	42.79% 5	89.2241	0.0021	200410	0.00E+00
60.11 D 7	-	87.6203	0.0021	00kh04	5.19E+06
93 S 5	-	87.6094	0.0021	980821	9.30E+01
93 S 5	-	87.6094	0.0021	980821	9.30E+01

20.2 M 2	-	87.5835	0.0021	980821	1.21E+03
2.7586 Y 3	-	88.2555	0.0026	02UN02	8.71E+07
12.35 D 6	-	86.3984	0.0318	200301	1.07E+06
19.15 M 8	-	86.3807	0.0318	200301	1.15E+03
19.15 M 8	-	86.3807	0.0318	200301	1.15E+03
11 S AP	-	86.358	0.0318	200301	1.10E+01
3.85 D 5	-	86.7001	0.0052	960129	3.33E+05
9.01 H 4	-	84.6085	0.0251	200112	3.24E+04
10.4 M 2	-	84.6085	0.0251	200112	6.24E+02
10.4 M 2	-	84.6085	0.0251	200112	6.24E+02
4.40 H 1	-	84.6277	0.0213	960516	1.58E+04
17.7 M 1	-	82.7767	0.0213	960516	1.06E+03
17.7 M 1	-	82.7767	0.0213	960516	1.06E+03
39.5 M 8	-	82.2916	0.0171	200107	2.37E+03
6.3 M 2	-	82.2868	0.0171	200107	3.78E+02
23.03 M 4	-	81.988	0.0206	941214	1.38E+03
2.79 M 7	-	79.6736	0.0144	Work04	1.67E+02
4.10 M 5	-	79.6736	0.0144	Work04	2.46E+02
2.5 M 1	-	78.9426	0.0254	951006	1.50E+02
3 US 1	-	74.5781	0.0254	951006	3.00E-06
16.0 US 15	-	74.4156	0.0254	951006	1.60E-05
0.78 S 6	-	74.1658	0.0435	200410	7.80E-01
10.07 S 5	-	74.1658	0.0435	200410	1.01E+01
10.07 S 5	-	74.1658	0.0435	200410	1.01E+01
1 NS LT	-	70.3908	0.0435	200410	1.00E-09
1.68 S 2	-	69.7076	0.1027	200206	1.68E+00
1.68 S 2	-	69.7076	0.1027	200206	1.68E+00
0.923 S 14	-	64.879	0.2980	S 200206	9.23E-01
0.923 S 14	-	64.879	0.2980	S 200206	9.23E-01
0.57 US 5	-	64.879	0.2980	S 200206	5.70E-07
150 NS GT	-	60.258	0.4010	S	1.50E-07
150 NS GT	-	60.258	0.4010	S	1.50E-07
300 NS GT	-	55.154	0.2980	S 200305	3.00E-07
300 NS GT	-	55.154	0.2980	S 200305	3.00E-07
150 NS GT	-	50.319	0.5030	S 200104	1.50E-07
1 US SY	-	52.499	0.5030	S NUBASE	1.00E-06
1 US SY	-	52.499	0.5030	S NUBASE	1.00E-06
70 US +20-10	-	58.2144	0.1322	05JA03	7.00E-05
3.1 MS 1	-	60.541	0.2980	S 200002	3.10E-03
3.1 MS 1	-	60.541	0.2980	S 200002	3.10E-03
2.1 S 1	-	65.7219	0.1039	200012	2.10E+00
2.1 S 1	-	65.7219	0.1039	200012	2.10E+00
2.1 S 1	-	65.7219	0.1039	200012	2.10E+00
4.6 S 3	-	67.612	0.0632	199905	4.60E+00
4.6 S 3	-	67.612	0.0632	199905	4.60E+00
4.6 S 3	-	67.612	0.0632	199905	4.60E+00
4.6 S 3	-	67.612	0.0632	199905	4.60E+00
18.6 S 8	-	72.2771	0.0526	200003	1.86E+01
18.6 S 8	-	72.2771	0.0526	200003	1.86E+01
19.3 S 4	-	73.4849	0.0713	200310	1.93E+01
19.3 S 4	-	73.4849	0.0713	200310	1.93E+01
2.0 M 2	-	77.3013	0.1703	970102	1.20E+02

1.7 M 2	-	78.347	0.0279	Work04	1.02E+02
15.2 M 7	-	81.8886	0.0279	200301	9.12E+02
5.8 M 2	-	82.0628	0.0279	Work04	3.48E+02
6.7 M 4	-	82.0428	0.0279	Work04	4.02E+02
6.7 M 4	-	82.0428	0.0279	Work04	4.02E+02
7.5 US 2	-	81.7828	0.0279	Work04	7.50E-06
2.49 H 4	-	85.269	0.0279	200104	8.96E+03
62 M 2	-	85.0969	0.0134	200205	3.72E+03
62 M 2	-	85.0969	0.0134	200205	3.72E+03
103 MS 3	-	84.8008	0.0134	200205	1.03E-01
6.00 D 2	-	87.721	0.0148	950531	5.18E+05
16.05 H 5	-	87.1844	0.0084	200002	5.78E+04
16.05 H 5	-	87.1844	0.0084	200002	5.78E+04
4.70 D 4	-	86.9234	0.0084	200002	4.06E+05
4.70 D 4	-	86.9234	0.0084	200002	4.06E+05
4.70 D 4	-	86.9234	0.0084	200002	4.06E+05
2.2E+16 Y GT	0.09% 1	89.4046	0.0097	03KI08	6.94E+23
19.16 D 5	-	88.5511	0.0259	200005	1.66E+06
154 D 7	-	88.2571	0.0259	200005	1.33E+07
154 D 7	-	88.2571	0.0259	200005	1.33E+07
STABLE	2.55% 12	90.314	0.0015	Work04	0.00E+00
9.2E+16 Y GT	0.89% 3	89.1719	0.0015	200410	2.90E+24
119.2 D 1	-	88.9244	0.0015	200410	1.03E+07
STABLE	4.74% 14	90.5245	0.0015	970508	0.00E+00
STABLE	7.07% 15	89.0222	0.0015	199907	0.00E+00
57.40 D 15	-	88.8774	0.0015	199907	4.96E+06
STABLE	18.84% 25	90.0646	0.0015	200301	0.00E+00
9.35 H 7	-	88.2811	0.0015	960129	3.37E+04
109 D 2	-	88.1928	0.0015	960129	9.42E+06
109 D 2	-	88.1928	0.0015	960129	9.42E+06
8.8E+18 Y 4	31.74% 8	88.9921	0.0018	03KI08	2.78E+26
69.6 M 3	-	87.0032	0.0018	960516	4.18E+03
33.6 D 1	-	86.8977	0.0018	960516	2.90E+06
33.6 D 1	-	86.8977	0.0018	960516	2.90E+06
5E+23 Y GT	34.08% 62	87.3514	0.0019	04AR18	1.58E+31
25.0 M 1	-	85.2095	0.0019	941214	1.50E+03
30 H 2	-	85.0275	0.0019	941214	1.08E+05
30 H 2	-	85.0275	0.0019	941214	1.08E+05
3.204 D 13	-	85.1822	0.0069	Work04	2.77E+05
28.1 US 15	-	83.2567	0.0069	Work04	2.81E-05
3.70 US 9	-	82.4589	0.0069	Work04	3.70E-06
12.5 M 3	-	82.9446	0.0244	951006	7.50E+02
55.4 M 4	-	82.6103	0.0244	951006	3.32E+03
55.4 M 4	-	82.6103	0.0244	951006	3.32E+03
41.8 M 8	-	82.5595	0.0107	200410	2.51E+03
164.1 NS 9	-	80.8682	0.0107	200410	1.64E-07
19.0 S 2	-	77.8276	0.0897	199806	1.90E+01
17.63 S 8	-	74.4252	0.0452	200206	1.76E+01
17.63 S 8	-	74.4252	0.0452	200206	1.76E+01
2.49 S 5	-	69.5612	0.1225	941104	2.49E+00
2.49 S 5	-	69.5612	0.1225	941104	2.49E+00
1.4 S 4	-	65.931	0.2050	S 200305	1.40E+00

1.4 S 4	-	65.931	0.2050 S	200305	1.40E+00
150 NS GT	-	60.799	0.4010 S	200104	1.50E-07
150 NS GT	-	60.799	0.4010 S	200104	1.50E-07
150 NS GT	-	56.961	0.2980 S	980107	1.50E-07
150 NS GT	-	56.961	0.2980 S	980107	1.50E-07
150 NS GT	-	51.558	0.4010 S		1.50E-07
150 NS GT	-	51.558	0.4010 S		1.50E-07
150 NS GT	-	47.432	0.5960 S	200003	1.50E-07
36 MS 6	-	52.652	0.3590 S	200012	3.60E-02
36 MS 6	-	52.652	0.3590 S	200012	3.60E-02
36 MS 6	-	52.652	0.3590 S	200012	3.60E-02
103 US 5	-	57.6134	0.1039	200202	1.03E-04
0.65 S 2	-	60.321	0.3090 S	200003	6.50E-01
0.65 S 2	-	60.321	0.3090 S	200003	6.50E-01
0.65 S 2	-	60.321	0.3090 S	200003	6.50E-01
0.65 S 2	-	60.321	0.3090 S	200003	6.50E-01
2.5 S 2	-	64.947	0.3020 S	200310	2.50E+00
2.5 S 2	-	64.947	0.3020 S	200310	2.50E+00
3.42 S 11	-	67.096	0.2110 S	970102	3.42E+00
3.42 S 11	-	67.096	0.2110 S	970102	3.42E+00
6.6 S 2	-	71.1283	0.0534 Work04		6.60E+00
6.6 S 2	-	71.1283	0.0534 Work04		6.60E+00
2.1 S 2	-	72.796	0.2980 S	200301	2.10E+00
2.1 S 2	-	72.796	0.2980 S	200301	2.10E+00
6.2 S 5	-	72.5301	0.2980 S	200301	6.20E+00
6.2 S 5	-	72.5301	0.2980 S	200301	6.20E+00
1.3 M 2	-	76.3378	0.0289 Work04		7.80E+01
2.91 S 15	-	77.4923	0.0966	200104	2.91E+00
2.22 M 4	-	80.4345	0.0279	200205	1.33E+02
13.7 M 5	-	80.971	0.0198	950531	8.22E+02
8.5 M 5	-	80.8671	0.0198	950531	5.10E+02
8.5 M 5	-	80.8671	0.0198	950531	5.10E+02
19.1 M 4	-	83.7655	0.0279	200002	1.15E+03
81.6 M 2	-	83.7896	0.0179	200209	4.90E+03
53 M 4	-	83.4696	0.0179	200209	3.18E+03
2.12 H 1	-	86.2873	0.0104	200005	7.63E+03
3.63 M 6	-	86.08	0.0052 Work04		2.18E+02
13.232 H 6	-	87.9433	0.0037 04SC04		4.76E+04
4.1760 D 3	-	87.365	0.0024	970508	3.61E+05
59.400 D 10	-	88.8364	0.0015	199907	5.13E+06
12.93 D 5	-	87.9105	0.0037	200301	1.12E+06
12.93 D 5	-	87.9105	0.0037	200301	1.12E+06
STABLE	-100%	88.9831	0.0035	960129	0.00E+00
24.99 M 2	-	87.7379	0.0035	200112	1.50E+03
24.99 M 2	-	87.7379	0.0035	200112	1.50E+03
1.57E+7 Y 4	-	88.5034	0.0032	960516	4.95E+14
12.36 H 1	-	86.9324	0.0032	200107	4.45E+04
8.84 M 6	-	86.8924	0.0032	200107	5.30E+02
8.84 M 6	-	86.8924	0.0032	200107	5.30E+02
8.02070 D 11	-	87.4444	0.0011	941214	6.93E+05
2.295 H 13	-	85.6999	0.0058 Work04		8.26E+03
1.387 H 15	-	85.5799	0.0058 Work04		4.99E+03

1.387 H 15	-	85.5799	0.0058	Work04	4.99E+03
20.8 H 1	-	85.8866	0.0047	199510	7.49E+04
9 S 2	-	84.2524	0.0047	199510	9.00E+00
52.5 M 2	-	84.0725	0.008	200410	3.15E+03
3.52 M 4	-	83.756	0.008	200410	2.11E+02
3.52 M 4	-	83.756	0.008	200410	2.11E+02
6.57 H 2	-	83.7896	0.0073	199806	2.37E+04
83.4 S 10	-	79.4993	0.0497	200206	8.34E+01
46.9 S 10	-	78.8593	0.0497	200206	4.69E+01
24.5 S 2	-	76.5028	0.0277	941104	2.45E+01
24.5 S 2	-	76.5028	0.0277	941104	2.45E+01
6.23 S 3	-	72.3309	0.0824	200305	6.23E+00
6.23 S 3	-	72.3309	0.0824	200305	6.23E+00
2.280 S 11	-	68.8379	0.0311	200104	2.28E+00
2.280 S 11	-	68.8379	0.0311	200104	2.28E+00
0.86 S 4	-	64.273	0.1960	S 950126	8.60E-01
0.86 S 4	-	64.273	0.1960	S 950126	8.60E-01
0.43 S 2	-	60.519	0.1960	S 200103	4.30E-01
0.43 S 2	-	60.519	0.1960	S 200103	4.30E-01
0.2 S AP	-	55.722	0.4010	S 200003	2.00E-01
150 NS GT	-	51.642	0.4010	S	1.50E-07
300 NS GT	-	46.584	0.5030	S 200108	3.00E-07
105 MS +35-25	-	51.9046	0.1329	05JA03	1.05E-01
0.2 S AP	-	51.9046	0.1329	199903	2.00E-01
0.74 S 20	-	54.397	0.3020	S 200310	7.40E-01
0.74 S 20	-	54.397	0.3020	S 200310	7.40E-01
2.7 S 8	-	59.9667	0.1041	970102	2.70E+00
2.7 S 8	-	59.9667	0.1041	900207	2.70E+00
2.74 S 8	-	62.0923	0.0806	Work04	2.74E+00
2.74 S 8	-	62.0923	0.0806	Work04	2.74E+00
2.74 S 8	-	62.0923	0.0806	Work04	2.74E+00
2.74 S 8	-	62.0923	0.0806	Work04	2.74E+00
10.0 S 4	-	67.0859	0.0112	200301	1.00E+01
18 S 4	-	68.6568	0.0121	Work04	1.80E+01
18 S 4	-	68.6568	0.0121	Work04	1.80E+01
18 S 4	-	68.6568	0.0121	Work04	1.80E+01
59 S 2	-	73.0468	0.013	200104	5.90E+01
61 S 2	-	74.1854	0.0104	200205	6.10E+01
61 S 2	-	74.1854	0.0104	200205	6.10E+01
3.8 M 9	-	78.0791	0.0104	950531	2.28E+02
5.8 M 3	-	78.7944	0.0104	200002	3.48E+02
40 M 1	-	82.1724	0.0118	200209	2.40E+03
40.1 M 20	-	82.4728	0.0111	200005	2.41E+03
20.1 H 1	-	85.355	0.0111	Work04	7.24E+04
2.08 H 2	-	85.2486	0.0095	200410	7.49E+03
1.1E+17 Y GE	0.095% 3	87.6601	0.0018	98GA27	3.47E+24
16.9 H 2	-	87.1921	0.0019	199907	6.08E+04
56.9 S 9	-	86.9395	0.0019	199907	5.69E+01
STABLE	0.089% 1	89.1685	0.0062	200301	0.00E+00
36.4 D 1	-	88.3208	0.004	960129	3.14E+06
69.2 S 9	-	88.0237	0.004	960129	6.92E+01
STABLE	1.910% 22	89.86	0.0014	200112	0.00E+00

STABLE	26.40% 18	88.6974	0.0007	199605	0.00E+00
8.88 D 2	-	88.4613	0.0007	199605	7.67E+05
STABLE	4.071% 53	89.8817	0.0008	200107	0.00E+00
STABLE	21.232% 6	88.4152	0.001	941214	0.00E+00
11.934 D 21	-	88.2512	0.001	92UN01	1.03E+06
STABLE	26.909% 6	89.2805	0.001	Work04	0.00E+00
8.39 MS 11	-	86.5283	0.001	Work04	8.39E-03
5.243 D 1	-	87.6436	0.0024	951006	4.53E+05
2.19 D 1	-	87.4104	0.0024	951006	1.89E+05
5.8E+22 Y GT	10.436% 2	88.1245	0.0008	200410	1.83E+30
290 MS 17	-	86.159	0.0008	200410	2.90E-01
9.14 H 2	-	86.417	0.0045	199806	3.29E+04
15.29 M 5	-	85.8904	0.0045	199806	9.17E+02
15.29 M 5	-	85.8904	0.0045	199806	9.17E+02
2.4E+21 Y GT	8.857% 33	86.4251	0.007	04GA49	7.57E+28
3.818 M 13	-	82.3793	0.007	941104	2.29E+02
14.08 M 8	-	80.1509	0.0434	200305	8.45E+02
39.68 S 14	-	75.6439	0.0209	200104	3.97E+01
13.60 S 10	-	72.991	0.0606	200209	1.36E+01
1.73 S 1	-	68.3269	0.0906	200103	1.73E+00
1.73 S 1	-	68.3269	0.0906	200103	1.73E+00
1.250 S 25	-	65.4751	0.1006	03BE05	1.25E+00
1.250 S 25	-	65.4751	0.1006	03BE05	1.25E+00
0.511 S 6	-	60.445	0.1960	S 03BE05	5.11E-01
0.511 S 6	-	60.445	0.1960	S 03BE05	5.11E-01
0.388 S 7	-	57.278	0.2980	S 03BE05	3.88E-01
0.388 S 7	-	57.278	0.2980	S 03BE05	3.88E-01
188 MS 4	-	52.098	0.2980	S 03BE05	1.88E-01
188 MS 4	-	52.098	0.2980	S 03BE05	1.88E-01
146 MS 6	-	48.671	0.4010	S 03BE05	1.46E-01
146 MS 6	-	48.671	0.4010	S 03BE05	1.46E-01
0.10 S +10-5	-43	0.259	0.4010	S (BE05 1	.1.00E-01
0.10 S +10-5	-	43.259	0.4010	S 03BE05	1.00E-01
0.5 MS 1	-	46.294	0.3020	S 200202	5.00E-04
16.7 US 7	-	51.7042	0.1041	Work04	1.67E-05
16.7 US 7	-	51.7042	0.1041	Work04	1.67E-05
0.57 S 2	-	54.539	0.3050	S 200301	5.70E-01
0.57 S 2	-	54.539	0.3050	S 200301	5.70E-01
0.57 S 2	-	54.539	0.3050	S 200301	5.70E-01
0.57 S 2	-	54.539	0.3050	S 200301	5.70E-01
1.4 S 8	-	59.699	0.2980	S Work04	1.40E+00
1.4 S 8	-	59.699	0.2980	S Work04	1.40E+00
0.70 S 4	-	62.068	0.1010	S 200104	7.00E-01
0.70 S 4	-	62.068	0.1010	S 200104	7.00E-01
0.70 S 4	-	62.068	0.1010	S 200104	7.00E-01
3.85 S 13	-	61.968	0.1010	S 200104	3.85E+00
3.85 S 13	-	61.968	0.1010	S 200104	3.85E+00
3.85 S 13	-	61.968	0.1010	S 200104	3.85E+00
8.4 S 6	-	66.4428	0.0624	200205	8.40E+00
6.5 S 4	-	66.2928	0.0624	200205	6.50E+00
14 S 2	-	68.4094	0.0128	950531	1.40E+01
14 S 2	-	68.4094	0.0128	950531	1.40E+01

14 S 2	-	68.4094	0.0128	950531	1.40E+01
17 S 3	-	68.4094	0.0128	950531	1.70E+01
17 S 3	-	68.4094	0.0128	950531	1.70E+01
17 S 3	-	68.4094	0.0128	950531	1.70E+01
43.0 S 2	-	72.3051	0.0139	200002	4.30E+01
30.4 S 1	-	72.3051	0.0139	200002	3.04E+01
61.3 S 11	-	73.8887	0.01	200209	6.13E+01
61.3 S 11	-	73.8887	0.01	200209	6.13E+01
61.3 S 11	-	73.8887	0.01	200209	6.13E+01
57 S 6	-	73.8887	0.01	200209	5.70E+01
155 S 4	-	77.1005	0.0138	200005	1.55E+02
122 S 3	-	77.032	0.0138	200005	1.22E+02
122 S 3	-	77.032	0.0138	200005	1.22E+02
21.18 S 19	-	78.1398	0.032	Work04	2.12E+01
3.70 M 11	-	78.0168	0.032	Work04	2.22E+02
0.36 S 2	-	78.0127	0.032	Work04	3.60E-01
5.88 M 3	-	81.0437	0.0121	200410	3.53E+02
1.64 S 12	-	80.8874	0.0121	200410	1.64E+00
30.8 S 5	-	81.7313	0.0083	970508	3.08E+01
6.3 S 2	-	81.2688	0.0083	970508	6.30E+00
46.7 M 1	-	84.0876	0.0077	199907	2.80E+03
1.64 M 2	-	84.3449	0.0121	200301	9.84E+01
6.25 H 10	-	86.24	0.0056	199601	2.25E+04
3.66 M 2	-	85.9314	0.0055	200112	2.20E+02
32.06 H 6	-	87.5004	0.0046	960516	1.15E+05
29.21 M 4	-	86.9004	0.0084	200107	1.75E+03
29.21 M 4	-	86.9004	0.0084	200107	1.75E+03
3.46 M 6	-	86.7372	0.0084	200107	2.08E+02
3.46 M 6	-	86.7372	0.0084	200107	2.08E+02
9.689 D 16	-	88.0598	0.005	941214	8.37E+05
6.480 D 6	-	87.1559	0.0019	Work04	5.60E+05
6.480 D 6	-	87.1559	0.0019	Work04	5.60E+05
STABLE	-100%	88.071	0	951006	0.00E+00
2.0652 Y 4	-	86.8912	0	200410	6.52E+07
2.0652 Y 4	-	86.8912	0	200410	6.52E+07
2.912 H 2	-	86.7525	0	200410	1.05E+04
2.3E+6 Y 3	-	87.5818	0.001	199806	7.26E+13
53 M 2	-	85.949	0.001	199806	3.18E+03
13.04 D 3	-	86.3387	0.0019	04PA06	1.13E+06
19 S 2	-	86.3387	0.0019	200206	1.90E+01
19 S 2	-	86.3387	0.0019	200206	1.90E+01
30.03 Y 5	-	86.5456	0.0005	04SC04	9.48E+08
33.41 M 18	-	82.8874	0.0092	200305	2.00E+03
2.91 M 8	-	82.8075	0.0092	200305	1.75E+02
2.91 M 8	-	82.8075	0.0092	200305	1.75E+02
9.27 M 5	-	80.7009	0.0032	200104	5.56E+02
63.7 S 3	-	77.051	0.0082	950126	6.37E+01
24.84 S 16	-	74.4769	0.0105	200103	2.48E+01
24.84 S 16	-	74.4769	0.0105	200103	2.48E+01
1.684 S 14	-	70.5151	0.0106	200003	1.68E+00
1.684 S 14	-	70.5151	0.0106	200003	1.68E+00
1.791 S 7	-	67.6714	0.0237	200201	1.79E+00

1.791 S 7	-	67.6714	0.0237	200201	1.79E+00
0.994 S 4	-	63.2699	0.0263	200108	9.94E-01
0.994 S 4	-	63.2699	0.0263	200108	9.94E-01
1 S LT	-	63.2699	0.0263	200108	1.00E+00
0.594 S 13	-	60.057	0.0108	870206	5.94E-01
0.594 S 13	-	60.057	0.0108	870206	5.94E-01
0.321 S 2	-	55.62	0.0713	971202	3.21E-01
0.321 S 2	-	55.62	0.0713	971202	3.21E-01
0.235 S 3	-	52.0193	0.0531	920827	2.35E-01
0.235 S 3	-	52.0193	0.0531	920827	2.35E-01
146 MS 6	-	47.303	0.5757	200004	1.46E-01
146 MS 6	-	47.303	0.5757	200004	1.46E-01
50 MS GT	-	43.845	0.1960 S	200406	5.00E-02
50 MS GT	-	43.845	0.1960 S	200406	5.00E-02
50 MS GT	-	38.964	0.2980 S	971209	5.00E-02
50 MS GT	-	38.964	0.2980 S	971209	5.00E-02
50 MS GT	-	35.22	0.5030 S	970311	5.00E-02
50 MS GT	-	35.22	0.5030 S	970311	5.00E-02
0.43 S +30-15	-	45.9456	0.1392	200301	4.30E-01
0.43 S +30-15	-	45.9456	0.1392	200301	4.30E-01
0.43 S +30-15	-	45.9456	0.1392	200301	4.30E-01
0.43 S +30-15	-	45.9456	0.1392	200301	4.30E-01
0.45 S 5	-	49.025	0.5960 S	Work04	4.50E-01
0.45 S 5	-	49.025	0.5960 S	Work04	4.50E-01
1.3 S 2	-	54.604	0.4010 S	200104	1.30E+00
1.3 S 2	-	54.604	0.4010 S	200104	1.30E+00
1.75 S 7	-	57.288	0.3000 S	200205	1.75E+00
1.75 S 7	-	57.288	0.3000 S	200205	1.75E+00
1.75 S 7	-	57.288	0.3000 S	200205	1.75E+00
5.2 S 2	-	62.373	0.1960 S	97JA12	5.20E+00
5.4 S 3	-	64.5901	0.2003	200002	5.40E+00
5.4 S 3	-	64.5901	0.2003	200002	5.40E+00
24 S 2	-	68.8887	0.3002	200209	2.40E+01
29.7 S 15	-	70.7428	0.1419	200005	2.97E+01
1.95 M 15	-	74.6089	0.0279	Work04	1.17E+02
2.7 M 4	-	75.655	0.0121	200410	1.62E+02
11.0 M 5	-	79.0898	0.0125	970508	6.60E+02
3.5 M 4	-	79.668	0.0111	199907	2.10E+02
100 M 2	-	82.6699	0.0125	200301	6.00E+03
12.7 M 4	-	82.8156	0.0115	960129	7.62E+02
1.9 S 2	-	82.7353	0.0115	960129	1.90E+00
2.43 D 5	-	85.4015	0.0101	200112	2.10E+05
2.23 H 11	-	85.0646	0.011	960516	8.03E+03
2.16 H 2	-	85.0562	0.011	960516	7.78E+03
2.16 H 2	-	85.0562	0.011	960516	7.78E+03
3.5E+14 Y GE	0.106% 1	87.2616	0.0028	98BE46	1.10E+22
9.54 MS 14	-	84.7865	0.0028	02MO31	9.54E-03
11.50 D 6	-	86.6838	0.0028	941214	9.94E+05
14.6 M 2	-	86.4968	0.0028	941214	8.76E+02
3.0E+21 Y GT	0.101% 1	88.4348	0.0011	Work04	9.47E+28
3841 D 7	-	87.5535	0.001	04SC04	3.32E+08
38.9 H 1	-	87.2653	0.001	951006	1.40E+05

38.9 H 1	-	87.2653	0.001	951006	1.40E+05
STABLE	2.417% 18	88.9499	0.0004	200410	0.00E+00
2.63 US 14	-	85.9927	0.0004	200410	2.63E-06
STABLE	6.592% 12	87.8505	0.0004	199806	0.00E+00
28.7 H 2	-	87.5823	0.0004	199806	1.03E+05
STABLE	7.854% 24	88.8869	0.0004	200206	0.00E+00
0.3084 S 19	-	86.8564	0.0004	200206	3.08E-01
STABLE	11.232% 2	87.7212	0.0004	970818	0.00E+00
2.552 M 1	-	87.0595	0.0004	970818	1.53E+02
STABLE	71.698% 4	88.2616	0.0004	200305	0.00E+00
83.06 M 28	-	84.9137	0.0004	200104	4.98E+03
12.752 D 3	-	83.2714	0.008	980109	1.10E+06
18.27 M 7	-	79.7256	0.0081	200103	1.10E+03
10.6 M 2	-	77.8232	0.0062	200003	6.36E+02
10.6 M 2	-	77.8232	0.0062	200003	6.36E+02
14.5 S 3	-	73.9357	0.0132	200201	1.45E+01
11.5 S 2	-	71.769	0.0133	200108	1.15E+01
11.5 S 2	-	71.769	0.0133	200108	1.15E+01
4.31 S 16	-	67.415	0.0708	980109	4.31E+00
2.22 S 7	-	65.0001	0.0723	971202	2.22E+00
0.893 S 1	-	60.598	0.2060 S	980109	8.93E-01
0.893 S 1	-	60.598	0.2060 S	980109	8.93E-01
0.612 S 17	-	58.0134	0.0842	200004	6.12E-01
0.612 S 17	-	58.0134	0.0842	200004	6.12E-01
0.344 S 7	-	53.486	0.1960 S	200406	3.44E-01
0.344 S 7	-	53.486	0.1960 S	200406	3.44E-01
0.3 S	-	50.599	0.4010 S	951026	3.00E-01
150 MS GT	-	45.82	0.4010 S	970311	1.50E-01
0.1 S AP	-	42.597	0.5030 S	NUBASE	1.00E-01
0.08 S AP	-	37.623	0.8010 S	NUBASE	8.00E-02
23.5 MS 26	-	46.512	0.4010 S	200205	2.35E-02
23.5 MS 26	-	46.512	0.4010 S	200205	2.35E-02
10 MS 5	-	46.361	0.4010 S	200205	1.00E-02
10 MS 5	-	46.361	0.4010 S	200205	1.00E-02
1 S AP	-	49.621	0.2980 S	NUBASE	1.00E+00
2 S AP	-	54.967	0.4010 S	NUBASE	2.00E+00
2.8 S 2	-	57.687	0.5030 S	200209	2.80E+00
2.8 S 2	-	57.687	0.5030 S	200209	2.80E+00
5.3 S 2	-	62.401	0.5030 S	200005	5.30E+00
8.6 S 5	-	64.543	0.2980 S	Work04	8.60E+00
8.6 S 5	-	64.543	0.2980 S	Work04	8.60E+00
17 S 3	-	68.707	0.1960 S	200410	1.70E+01
1 S LT	-	70.2586	0.0567	970508	1.00E+00
29 S 1	-	70.2586	0.0567	970508	2.90E+01
64.8 S 12	-	73.7594	0.0259	199907	6.48E+01
0.4 S 2	-	73.6524	0.0259	199907	4.00E-01
50 S LT	-	74.9735	0.0905	200301	5.00E+01
50 S LT	-	74.9735	0.0905	200301	5.00E+01
54 S 2	-	74.9735	0.0905	200301	5.40E+01
5.1 M 1	-	77.8958	0.0259	960129	3.06E+02
3.7 M 4	-	77.881	0.0259	960129	2.22E+02
3.7 M 4	-	77.881	0.0259	960129	2.22E+02

5.18 M 14	-	78.6319	0.0544	200112	3.11E+02
1.4 M LT	-	78.6319	0.0544	200112	8.40E+01
11.6 M 2	-	81.3261	0.0209	960516	6.96E+02
0.56 S 5	-	81.154	0.0209	960516	5.60E-01
8.7 M 1	-	81.628	0.0259	200107	5.22E+02
59 M 2	-	83.7693	0.0279	941214	3.54E+03
170 US 10	-	83.4648	0.0279	941214	1.70E-04
4.8 H 2	-	83.7402	0.0392	Work04	1.73E+04
24.3 M 5	-	83.552	0.0392	Work04	1.46E+03
24.3 M 5	-	83.552	0.0392	Work04	1.46E+03
3.912 H 8	-	85.4944	0.0279	951006	1.41E+04
6.45 M 16	-	85.2187	0.0199	200410	3.87E+02
29 US 4	-	84.8822	0.0199	200410	2.90E-05
19.5 H 2	-	86.6505	0.01	199806	7.02E+04
9.87 M 3	-	86.0369	0.0529	200206	5.92E+02
114 MS 3	-	85.8069	0.0529	200206	1.14E-01
6E+4 Y 2	-	87.1007	0.0134	941104	1.89E+12
1.02E+11 Y 1	0.090% 1	86.5247	0.0035	200305	3.22E+18
1.02E+11 Y 1	-	86.5247	0.0035	200305	3.22E+18
STABLE	99.910% 1	87.2314	0.0024	200104	0.00E+00
1.6781 D 3	-	84.321	0.0024	950126	1.45E+05
3.92 H 3	-	82.9382	0.0046	200103	1.41E+04
91.1 M 5	-	80.0348	0.0057	200003	5.47E+03
14.2 M 1	-	78.1871	0.0154	200201	8.52E+02
40.8 S 4	-	74.8924	0.0488	200108	4.08E+01
24.8 S 20	-	72.9868	0.0901	980109	2.48E+01
6.27 S 10	-	69.1229	0.0714	971202	6.27E+00
10.0 S 1	-	69.1229	0.0714	971202	1.00E+01
4.015 S 8	-	66.8484	0.0481	980109	4.01E+00
4.015 S 8	-	66.8484	0.0481	980109	4.01E+00
1.26 S 8	-	63.1284	0.059	200004	1.26E+00
1.26 S 8	-	63.1284	0.059	200004	1.26E+00
1.05 S 3	-	60.795	0.3150 S	200406	1.05E+00
1.05 S 3	-	60.795	0.3150 S	200406	1.05E+00
0.51 S 3	-	57.035	0.4010 S	95Ok02	5.10E-01
0.51 S 3	-	57.035	0.4010 S	95Ok02	5.10E-01
150 NS GT	-	54.287	0.4010 S	970311	1.50E-07
150 NS GT	-	50.068	0.4010 S	970116	1.50E-07
100 NS GT	-	46.929	0.5960 S	Work04	1.00E-07
0.1 S AP	-	42.383	0.5960 S	NUBASE	1.00E-01
0.06 S AP	-	38.797	0.8010 S	NUBASE	6.00E-02
0.2 S AP	-	44.004	0.5960 S	NUBASE	2.00E-01
0.25 S AP	-	49.705	0.6990 S	NUBASE	2.50E-01
1.1 S 1	-	52.704	0.5030 S	200005	1.10E+00
1.1 S 1	-	52.704	0.5030 S	200005	1.10E+00
2 S AP	-	57.836	0.4010 S	960903	2.00E+00
2 S AP	-	57.836	0.4010 S	960903	2.00E+00
3.8 S 2	-	60.175	0.2980 S	200410	3.80E+00
3.8 S 2	-	60.175	0.2980 S	200410	3.80E+00
6 S 2	-	64.823	0.2980 S	980821	6.00E+00
10.2 S 4	-	66.658	0.1960 S	199907	1.02E+01
10.2 S 4	-	66.658	0.1960 S	199907	1.02E+01

51.0 S 3	-	70.8206	0.0279	200301	5.10E+01
31 S 2	-	71.9756	0.0578	980109	3.10E+01
3.93 M 2	-	75.5339	0.0279	200112	2.36E+02
3.5 M 5	-	76.2875	0.0279	970618	2.10E+02
22.9 M 5	-	79.4229	0.0279	200107	1.37E+03
10.2 M 3	-	79.7154	0.0335	199907	6.12E+02
5.0 M 10	-	79.7154	0.0335	199907	3.00E+02
3.51 H 11	-	82.474	0.0206	Work04	1.26E+04
9.4 MS 3	-	80.1329	0.0206	Work04	9.40E-03
97 M 4	-	82.4232	0.0164	970618	5.82E+03
4.9 H 4	-	82.3861	0.0164	970618	1.76E+04
3.16 D 4	-	84.836	0.0204	200410	2.73E+05
17.7 H 3	-	84.6249	0.011	199806	6.37E+04
20 S 1	-	84.1791	0.011	199806	2.00E+01
0.7E+14 Y GT	0.185% 2	86.4683	0.0133	200206	2.21E+21
9.0 H 3	-	85.8786	0.0133	941104	3.24E+04
34.4 H 3	-	85.6246	0.0133	941104	1.24E+05
34.4 H 3	-	85.6246	0.0133	941104	1.24E+05
0.9E+14 Y GE	0.251% 2	87.5685	0.0102	200305	2.84E+21
8.65 MS 20	-	85.4393	0.0102	200305	8.65E-03
81 NS 2	-	84.0294	0.0102	200305	8.10E-08
137.641 D 20	-	86.9525	0.0073	200104	1.19E+07
54.8 S 10	-	86.1983	0.0073	200104	5.48E+01
STABLE	88.450% 1	88.0833	0.0025	950126	0.00E+00
32.508 D 13	-	85.4401	0.0025	200103	2.81E+06
2.6E+17 Y GT	11.114% 1	84.5385	0.003	01Da22	8.20E+24
33.039 H 6	-	81.612	0.003	200201	1.19E+05
284.91 D 5	-	80.437	0.0034	200108	2.46E+07
3.01 M 6	-	77.0968	0.0415	870206	1.81E+02
13.52 M 13	-	75.6755	0.0664	971202	8.11E+02
56.4 S 10	-	72.0287	0.0305	920827	5.64E+01
56 S 1	-	70.3908	0.0294	200004	5.60E+01
5.3 S 2	-	66.6951	0.0969	200406	5.30E+00
4.0 S 6	-	64.8237	0.0478	199510	4.00E+00
1.02 S 6	-	61.5008	0.1026	970311	1.02E+00
1.4 S 2	-	59.113	0.1960 S	970116	1.40E+00
100 NS GT	-	55.349	0.4010 S	Work04	1.00E-07
150 NS GT	-	52.704	0.5030 S	199812	1.50E-07
300 NS GT	-	48.4	0.5960 S	200501	3.00E-07
0.15 S AP	-	45.401	0.5960 S	NUBASE	1.50E-01
0.05 S AP	-	40.669	0.6990 S	NUBASE	5.00E-02
1.4 S 8	-	41.579	0.7000 S	200005	1.40E+00
0.5 S AP	-	44.889	0.5030 S		5.00E-01
0.8 S AP	-	50.338	0.5960 S		8.00E-01
1.2 S 2	-	53.132	0.5960 S	970508	1.20E+00
1.2 S 2	-	53.132	0.5960 S	970508	1.20E+00
3.3 S 7	-	57.911	0.4010 S	200209	3.30E+00
3.3 S 7	-	57.911	0.4010 S	200209	3.30E+00
3.14 S 22	-	60.258	0.1960 S	200301	3.14E+00
3.14 S 22	-	60.258	0.1960 S	200301	3.14E+00
4.2 S 3	-	64.431	0.1960 S	980302	4.20E+00
2.84 S 9	-	66.3308	0.0298	200112	2.84E+00

32 S 3	-	69.7736	0.0298	96GI08	3.20E+01
40 S 4	-	71.1755	0.0643	01GI17	4.00E+01
94 S 4	-	74.2783	0.0522	96GI08	9.40E+01
5.7 S 2	-	74.1263	0.0522	96GE12	5.70E+00
5.7 S 2	-	74.1263	0.0522	941214	5.70E+00
1.6 M 3	-	75.2135	0.0568	Work04	9.60E+01
6.5 M 3	-	77.9376	0.0125	199706	3.90E+02
11 M AP	-	78.514	0.0355	200410	6.60E+02
17 M 2	-	78.514	0.0355	200410	1.02E+03
24 M 2	-	80.9359	0.0118	199806	1.44E+03
13.1 M 1	-	81.3272	0.0123	200206	7.86E+02
1.28 H 3	-	83.1773	0.0118	199411	4.61E+03
1.45 M 5	-	83.1315	0.0143	200305	8.70E+01
2.12 H 4	-	82.7675	0.0143	200305	7.63E+03
4.41 H 4	-	84.8233	0.0079	200104	1.59E+04
3.39 M 1	-	84.6953	0.0065	950126	2.03E+02
STABLE	-100%	86.0209	0.0025	200103	0.00E+00
19.12 H 4	-	83.7927	0.0025	200003	6.88E+04
19.12 H 4	-	83.7927	0.0025	200003	6.88E+04
14.6 M 5	-	83.789	0.0025	200003	8.76E+02
13.57 D 2	-	83.0735	0.0026	200201	1.17E+06
17.28 M 5	-	80.7556	0.0033	200108	1.04E+03
7.2 M 3	-	80.6966	0.0033	200108	4.32E+02
7.2 M 3	-	80.6966	0.0033	200108	4.32E+02
5.984 H 10	-	79.6318	0.0074	870206	2.15E+04
24.15 M 18	-	76.7138	0.0617	971202	1.45E+03
13.4 M 4	-	75.4548	0.0231	920827	8.04E+02
2.29 M 2	-	72.5308	0.0259	200004	1.37E+02
2.01 M 7	-	72.4408	0.0259	200004	1.21E+02
2.26 M 7	-	71.0565	0.0821	200406	1.36E+02
6.19 S 16	-	68.3037	0.0262	199604	6.19E+00
18.90 S 7	-	66.7708	0.0231	970311	1.89E+01
3.63 S 12	-	63.8081	0.1225	970116	3.63E+00
4.28 S 11	-	61.6287	0.1037	Work04	4.28E+00
2.3 S 1	-	58.2015	0.1517	199812	2.30E+00
300 NS GT	-	55.778	0.2980	S 200501	3.00E-07
300 NS GT	-	51.912	0.4010	S 199709	3.00E-07
0.3 S AP	-	48.969	0.4010	S NUBASE	3.00E-01
0.2 S AP	-	44.73	0.5960	S NUBASE	2.00E-01
0.1 S AP	-	41.451	0.6990	S NUBASE	1.00E-01
0.5 S SY	-	44.497	0.5960	S NUBASE	5.00E-01
0.60 S 15	-	47.618	0.4010	S 200209	6.00E-01
0.60 S 15	-	47.618	0.4010	S 200209	6.00E-01
200 NS GT	-	52.89	0.4010	S 200301	2.00E-07
200 NS GT	-	52.89	0.4010	S 200301	2.00E-07
1.8 S 4	-	55.424	0.4010	S 960129	1.80E+00
1.8 S 4	-	55.424	0.4010	S 960129	1.80E+00
5 S	-	60.184	0.1960	S 200112	5.00E+00
5 S	-	60.184	0.1960	S 200112	5.00E+00
7 S 1	-	62.235	0.2020	S 97GI07	7.00E+00
7 S 1	-	62.235	0.2020	S 97GI07	7.00E+00
21 S 3	-	66.5962	0.0279	01GI17	2.10E+01

33 S 3	-	67.769	0.0279	96GE12	3.30E+01
33 S 3	-	67.769	0.0279	96GE12	3.30E+01
94 S 8	-	71.4258	0.0242	Work04	9.40E+01
70 S 10	-	72.3324	0.0466	199706	7.00E+01
70 S AP	-	72.2044	0.0466	199706	7.00E+01
70 S AP	-	72.2044	0.0466	199706	7.00E+01
8.5 M 15	-	75.6465	0.0118	200410	5.10E+02
410 US 30	-	73.3535	0.0118	200410	4.10E-04
12.4 M 6	-	76.2138	0.0193	199907	7.44E+02
5.5 M 5	-	76.1488	0.0193	199907	3.30E+02
5.5 M 5	-	76.1488	0.0193	199907	3.30E+02
50.65 M 33	-	79.1993	0.0118	200206	3.04E+03
38.5 M 15	-	79.5802	0.0115	200104	2.31E+03
1.60 S 15	-	79.0608	0.0115	200104	1.60E+00
5.04 H 9	-	82.0181	0.0118	200305	1.81E+04
29.7 M 5	-	81.9917	0.0258	200104	1.78E+03
5.50 H 20	-	81.7605	0.0258	200104	1.98E+04
5.50 H 20	-	81.7605	0.0258	200104	1.98E+04
3.37 D 2	-	84.2518	0.0279	199501	2.91E+05
0.60 MS 5	-	82.0304	0.0279	199501	6.00E-04
2.49 H 3	-	84.1979	0.0037	200103	8.96E+03
62.0 S 8	-	83.4414	0.0037	200103	6.20E+01
62.0 S 8	-	83.4414	0.0037	200103	6.20E+01
STABLE	27.2% 5	85.9552	0.0023	200003	0.00E+00
STABLE	12.2% 2	84.0074	0.0023	200201	0.00E+00
2.29E+15 Y 16	23.8% 3	83.7532	0.0023	200108	7.23E+22
STABLE	8.3% 1	81.4371	0.0023	199305	0.00E+00
STABLE	17.2% 3	80.931	0.0023	971202	0.00E+00
10.98 D 1	-	78.1519	0.0023	920827	9.49E+05
STABLE	5.7% 1	77.4134	0.0028	200004	0.00E+00
1.728 H 1	-	74.3809	0.0028	200406	6.22E+03
0.79E+19 Y 7	5.6% 2	73.6897	0.0032	04KO61	2.49E+26
12.44 M 7	-	70.9529	0.0032	970311	7.46E+02
11.4 M 2	-	70.1581	0.0246	970116	6.84E+02
31.6 S 10	-	67.3487	0.0274	Work04	3.16E+01
25.9 S 2	-	65.6915	0.114	199812	2.59E+01
8.9 S 2	-	62.473	0.1530	S 200501	8.90E+00
5.49 S 7	-	60.5302	0.2029	200308	5.49E+00
100 NS GT	-	56.793	0.1960	S 200501	1.00E-07
50 NS GT	-	54.399	0.4010	S 200403	5.00E-08
0.7 S AP	-	50.217	0.5030	S NUBASE	7.00E-01
0.3 S AP	-	47.422	0.5960	S NUBASE	3.00E-01
0.2 S AP	-	42.961	0.6990	S NUBASE	2.00E-01
0.5 S SY	-	39.57	0.5030	S NUBASE	5.00E-01
1 S SY	-	45.056	0.5960	S NUBASE	1.00E+00
1 S SY	-	45.056	0.5960	S NUBASE	1.00E+00
1.0 S 3	-	48.046	0.4010	S 200112	1.00E+00
1.0 S 3	-	48.046	0.4010	S 200112	1.00E+00
1.0 S 3	-	48.046	0.4010	S 200112	1.00E+00
2.4 S 9	-	52.946	0.4010	S 04XU05	2.40E+00
2.6 S 2	-	55.47	0.2980	S 200107	2.60E+00
2.6 S 2	-	55.47	0.2980	S 200107	2.60E+00

6.3 S 8	-	59.737	0.1960 S	99GA41	6.30E+00
6.2 S 6	-	61.711	0.1960 S	Work04	6.20E+00
6.2 S 6	-	61.711	0.1960 S	Work04	6.20E+00
15 S 3	-	65.4076	0.0503	951006	1.50E+01
5 S AP	-	66.7387	0.0578	200410	5.00E+00
22 S 1	-	66.7387	0.0578	200410	2.20E+01
45 S 4	-	69.9776	0.0587	199806	4.50E+01
49 S 3	-	69.9776	0.0587	199806	4.90E+01
47 S 2	-	71.198	0.0781	200206	4.70E+01
107 S 6	-	71.198	0.0781	200206	1.07E+02
2.4 M 1	-	74.0729	0.013	941104	1.44E+02
10 S 2	-	74.9403	0.0275	200305	1.00E+01
3.24 M 5	-	74.9203	0.0275	200305	1.94E+02
4.15 M 5	-	77.4965	0.0135	200104	2.49E+02
180 MS 20	-	77.3078	0.0135	200104	1.80E-01
180 MS 20	-	77.3078	0.0135	200104	1.80E-01
9.2 S 2	-	78.2066	0.0368	950126	9.20E+00
5.95 M 5	-	78.2066	0.0368	950126	3.57E+02
20.90 M 5	-	80.5229	0.014	200103	1.25E+03
40.5 S 5	-	81.1569	0.0251	200003	4.05E+01
2.0 MS 2	-	80.2737	0.0251	200003	2.00E-03
265 D 7	-	82.9657	0.0033	200201	2.29E+07
363 D 14	-	81.4211	0.0032	200108	3.14E+07
17.7 Y 4	-	81.2738	0.0031	870206	5.59E+08
17.7 Y 4	-	81.2738	0.0031	870206	5.59E+08
5.53 Y 5	-	79.4599	0.0047	199903	1.75E+08
5.53 Y 5	-	79.4599	0.0047	199903	1.75E+08
2.6234 Y 2	-	79.0479	0.0024	960604	8.28E+07
5.368 D 2	-	76.8719	0.0061	200004	4.64E+05
41.29 D 11	-	76.734	0.0061	200004	3.57E+06
41.29 D 11	-	76.734	0.0061	200004	3.57E+06
53.08 H 5	-	76.0712	0.0042	200406	1.91E+05
2.68 H 2	-	73.6033	0.0201	951026	9.65E+03
28.40 H 4	-	73.3952	0.0053	970311	1.02E+05
4.12 M 8	-	71.2623	0.026	970116	2.47E+02
7.52 M 8	-	71.1123	0.026	970116	4.51E+02
13.8 M 2	-	71.1123	0.026	970116	8.28E+02
13.8 M 2	-	71.1123	0.026	970116	8.28E+02
5.25 M 2	-	70.6847	0.0111	Work04	3.15E+02
2.68 M 7	-	68.4984	0.0448	199812	1.61E+02
1.73 M 10	-	68.4984	0.0448	199812	1.04E+02
41.5 S 2	-	66.9732	0.0301	200501	4.15E+01
26.70 S 10	-	64.2202	0.0344	200308	2.67E+01
10.56 S 10	-	62.3734	0.1119	200501	1.06E+01
4.8 S 5	-	59.0927	0.127	200403	4.80E+00
1.47 S 15	-	56.849	0.1960 S	200307	1.47E+00
2 S AP	-	53.104	0.2980 S	NUBASE	2.00E+00
0.7 S AP	-	50.431	0.5030 S	NUBASE	7.00E-01
0.5 S AP	-	46.305	0.6990 S	NUBASE	5.00E-01
0.2 S AP	-	43.147	0.8010 S	NUBASE	2.00E-01
0.5 S SY	-	39.048	0.5030 S	NUBASE	5.00E-01
0.5 S SY	-	39.048	0.5030 S	NUBASE	5.00E-01

0.55 S 10	-	42.253	0.5030 S	99xu05	5.50E-01
0.55 S 10	-	42.253	0.5030 S	99xu05	5.50E-01
1 S SY	-	47.581	0.4010 S	NUBASE	1.00E+00
1.2 S 2	-	50.198	0.2980 S	941214	1.20E+00
1.2 S 2	-	50.198	0.2980 S	941214	1.20E+00
4.0 S 3	-	55.247	0.2980 S	Work04	4.00E+00
4.0 S 3	-	55.247	0.2980 S	Work04	4.00E+00
3.7 S 7	-	57.129	0.1960 S	200109	3.70E+00
3.7 S 7	-	57.129	0.1960 S	200109	3.70E+00
9.5 S 8	-	61.507	0.1960 S	200410	9.50E+00
10.3 S 5	-	62.8572	0.1546	199806	1.03E+01
10.3 S 5	-	62.8572	0.1546	199806	1.03E+01
47 S 2	-	66.8109	0.0125	200206	4.70E+01
45 S 1	-	68.0254	0.0424	941104	4.50E+01
3.1 M 2	-	71.4978	0.0118	200305	1.86E+02
2.57 M 10	-	72.3802	0.0109	200104	1.54E+02
10.7 S 6	-	71.9229	0.0109	200104	1.07E+01
10.7 S 6	-	71.9229	0.0109	200104	1.07E+01
14.82 M 12	-	75.456	0.0125	199501	8.89E+02
10.2 M 2	-	75.9387	0.0086	200103	6.12E+02
22.6 M 2	-	75.7627	0.0086	200103	1.36E+03
22.6 M 2	-	75.7627	0.0086	200103	1.36E+03
72.49 M 5	-	78.9929	0.0057	200003	4.35E+03
8.75 M 8	-	79.5232	0.0036	200201	5.25E+02
66 S 2	-	78.7692	0.0036	200201	6.60E+01
66 S 2	-	78.7692	0.0036	200201	6.60E+01
30 MS 3	-	76.7294	0.0036	200201	3.00E-02
STABLE	3.07% 7	81.972	0.0028	200108	0.00E+00
340 D 3	-	80.6577	0.0028	200208	2.94E+07
0.96 US +19-15	-	71.8715	0.0028	200208	9.60E-07
10.3E+7 Y 5	-	81.0019	0.0036	971202	3.25E+15
1.06E+11 Y 2	14.99% 18	79.2721	0.0024	199208	3.35E+18
7E+15 Y 3	11.24% 10	79.3422	0.0024	200004	2.21E+23
STABLE	13.82% 7	77.1419	0.0024	200406	0.00E+00
STABLE	7.38% 1	77.0573	0.0024	199604	0.00E+00
90 Y 8	-	74.5825	0.0024	970311	2.84E+09
STABLE	26.75% 16	74.7688	0.0025	970116	0.00E+00
46.284 H 4	-	72.5658	0.0025	Work04	1.67E+05
10.6 MS 3	-	72.4674	0.0025	Work04	1.06E-02
STABLE	22.75% 29	72.4616	0.0025	199812	0.00E+00
22.3 M 2	-	70.1972	0.0026	200501	1.34E+03
9.4 H 2	-	69.3703	0.0095	200308	3.38E+04
8.03 M 7	-	66.7334	0.0503	200501	4.82E+02
5.30 M 3	-	65.2127	0.0783	200403	3.18E+02
11.37 S 15	-	62.2133	0.1003	200307	1.14E+01
9.6 S 3	-	60.417	0.1960 S	Work04	9.60E+00
4.8 S 8	-	56.979	0.2980 S	200010	4.80E+00
2 S AP	-	54.753	0.5030 S	NUBASE	2.00E+00
1 S AP	-	50.897	0.6990 S	NUBASE	1.00E+00
0.5 S AP	-	48.177	0.8010 S	NUBASE	5.00E-01
0.2 S AP	-	43.799	0.9040 S	NUBASE	2.00E-01
0.9 MS +5-3	-	33.936	0.5030 S	04DA04	9.00E-04

17.8 MS 19	-	39.353	0.4010 S	200202	1.78E-02
17.8 MS 19	-	39.353	0.4010 S	200202	1.78E-02
200 MS SY	-	42.504	0.4010 S	Work04	2.00E-01
1 S AP	-	47.283	0.2980 S	NUBASE	1.00E+00
0.5 S 2	-	49.826	0.1960 S	200410	5.00E-01
0.5 S 2	-	49.826	0.1960 S	200410	5.00E-01
1.5 S 2	-	54.194	0.2980 S	199806	1.50E+00
1.5 S 2	-	54.194	0.2980 S	199806	1.50E+00
3.3 S 3	-	56.262	0.1960 S	200206	3.30E+00
3.3 S 3	-	56.262	0.1960 S	200206	3.30E+00
3.8 S 3	-	56.262	0.1960 S	200206	3.80E+00
3.8 S 3	-	56.262	0.1960 S	200206	3.80E+00
11 S 2	-	60.016	0.1960 S	941104	1.10E+01
12.1 S 6	-	61.7497	0.0279	200305	1.21E+01
17.9 S 6	-	65.3981	0.0132	200104	1.79E+01
1.51 S 2	-	66.986	0.0515	950126	1.51E+00
125 MS 2	-	66.801	0.0515	950126	1.25E-01
125 MS 2	-	66.801	0.0515	950126	1.25E-01
40.7 S 7	-	69.9266	0.0126	200103	4.07E+01
2.7 S 3	-	69.8302	0.0126	200103	2.70E+00
2.7 S 3	-	69.8302	0.0126	200103	2.70E+00
2.34 S 12	-	71.3199	0.0305	200003	2.34E+00
1.223 M 8	-	71.3199	0.0305	200003	7.34E+01
2.59 M 2	-	74.2424	0.011	200201	1.55E+02
10.2 S 1	-	75.6216	0.0108	200108	1.02E+01
5.93 D 4	-	77.9984	0.0038	870206	5.12E+05
4.61 D 3	-	77.1223	0.0062	971202	3.98E+05
235 US 3	-	76.4559	0.0062	971202	2.35E-04
24.1 D 6	-	77.5505	0.0032	199907	2.08E+06
24.1 D 6	-	77.5505	0.0032	199907	2.08E+06
54.5 D 5	-	76.3025	0.0102	200004	4.71E+06
54.5 D 5	-	76.3025	0.0102	200004	4.71E+06
93.1 D 4	-	76.4466	0.0043	200406	8.04E+06
36.9 Y 9	-	74.7973	0.0065	951026	1.16E+09
12.8 H 1	-	74.7552	0.0065	951026	4.61E+04
12.8 H 1	-	74.7552	0.0065	951026	4.61E+04
12.8 H 1	-	74.7552	0.0065	951026	4.61E+04
STABLE	47.81% 3	74.6591	0.0025	970311	0.00E+00
13.506 Y 6	-	72.8945	0.0025	04SC04	4.26E+08
13.506 Y 6	-	72.8945	0.0025	04SC04	4.26E+08
9.3116 H 13	-	72.8489	0.0025	970116	3.35E+04
9.3116 H 13	-	72.8489	0.0025	970116	3.35E+04
96 M 1	-	72.7466	0.0025	970116	5.76E+03
STABLE	52.19% 3	73.3735	0.0025	Work04	0.00E+00
8.590 Y 3	-	71.7444	0.0025	04SC04	2.71E+08
8.590 Y 3	-	71.7444	0.0025	04SC04	2.71E+08
46.3 M 4	-	71.5991	0.0025	199812	2.78E+03
4.753 Y 14	-	71.8245	0.0025	200501	1.50E+08
15.19 D 8	-	70.0928	0.0058	200308	1.31E+06
15.18 H 3	-	69.4674	0.0053	200501	5.46E+04
45.9 M 2	-	67.2117	0.0769	200403	2.75E+03
18.1 M 1	-	66.0533	0.0073	200307	1.09E+03

38 S 4	-	63.369	0.2000	S	Work04	3.80E+01
26 S 3	-	61.777	0.2980	S	200010	2.60E+01
10.6 S 10	-	58.647	0.2980	S	199909	1.06E+01
6 S SY	-	56.626	0.5030	S	NUBASE	6.00E+00
2 S AP	-	53.104	0.5960	S	NUBASE	2.00E+00
1 S AP	-	50.561	0.6990	S	NUBASE	1.00E+00
0.4 S AP	-	46.603	0.8010	S	NUBASE	4.00E-01
0.2 S AP	-	43.585	0.8010	S	NUBASE	2.00E-01
0.4 S SY	-	41.573	0.4010	S	NUBASE	4.00E-01
1.1 S 2	-	44.181	0.5030	S	199806	1.10E+00
1.1 S 2	-	44.181	0.5030	S	199806	1.10E+00
200 NS GE	-	49.052	0.4010	S	200206	2.00E-07
2.2 S 2	-	51.214	0.4010	S	99XU05	2.20E+00
2.2 S 2	-	51.214	0.4010	S	99XU05	2.20E+00
4.7 S 9	-	55.778	0.1960	S	200305	4.70E+00
5.8 S 9	-	57.529	0.1960	S	200104	5.80E+00
5.8 S 9	-	57.529	0.1960	S	200104	5.80E+00
4.8 S 9	-	57.529	0.1960	S	200104	4.80E+00
4.8 S 9	-	57.529	0.1960	S	200104	4.80E+00
15.8 S 4	-	61.7823	0.0279		950209	1.58E+01
14 S 4	-	63.2242	0.0198		200103	1.40E+01
14 S 4	-	63.2242	0.0198		200103	1.40E+01
24.5 S 5	-	62.8464	0.0198		200103	2.45E+01
24.5 S 5	-	62.8464	0.0198		200103	2.45E+01
70.2 S 6	-	66.9595	0.0279		200003	7.02E+01
39 S 2	-	68.2324	0.2003		200201	3.90E+01
110.0 S 14	-	68.0798	0.2003		200201	1.10E+02
4.47 M 6	-	71.7595	0.0279		200108	2.68E+02
23.0 M 4	-	72.9274	0.0188		200103	1.38E+03
85 S 3	-	72.1783	0.0188		200103	8.50E+01
85 S 3	-	72.1783	0.0188		200103	8.50E+01
48.27 D 10	-	76.0932	0.0047		200112	4.17E+06
38.06 H 12	-	75.3631	0.003		199907	1.37E+05
70.9 Y 10	-	76.2758	0.0028		03FU10	2.24E+09
9.28 D 10	-	75.1335	0.004		200406	8.02E+05
9.28 D 10	-	75.1335	0.004		200406	8.02E+05
1.79E+6 Y 8	-	75.7688	0.0063		199604	5.65E+13
124 D 1	-	74.1949	0.0037		970311	1.07E+07
124 D 1	-	74.1949	0.0037		970311	1.07E+07
1.08E+14 Y 8	0.20% 1	74.7142	0.0025		970116	3.41E+21
240.4 D 10	-	72.8898	0.0025		Work04	2.08E+07
3.5 US 4	-	72.7946	0.0025		Work04	3.50E-06
76.0 US 14	-	72.7186	0.0025		Work04	7.60E-05
STABLE	2.18% 3	73.7132	0.0025		199812	0.00E+00
STABLE	14.80% 12	72.0771	0.0025		200501	0.00E+00
31.97 MS 27	-	71.9561	0.0025		200501	3.20E-02
STABLE	20.47% 9	72.5422	0.0025		200308	0.00E+00
STABLE	15.65% 2	70.8307	0.0025		200501	0.00E+00
18.5 US 23	-	70.4041	0.0025		200501	1.85E-05
STABLE	24.84% 7	70.6967	0.0025		200403	0.00E+00
18.479 H 4	-	68.5685	0.0025		200307	6.65E+04
26.2 NS 8	-	68.5007	0.0025		200307	2.62E-08

3.1E+19 Y GT	21.86% 19	67.9486	0.0026	Work04	9.78E+26
3.66 M 5	-	65.5127	0.0027	200010	2.20E+02
8.4 M 2	-	64.2873	0.0046	199909	5.04E+02
68 S 3	-	61.488	0.2980	S 199910	6.80E+01
45 S 3	-	59.746	0.4010	S 200107	4.50E+01
10.3 S 16	-	56.467	0.5030	S 199908	1.03E+01
7 S AP	-	54.399	0.5960	S NUBASE	7.00E+00
3 S AP	-	50.701	0.5960	S NUBASE	3.00E+00
0.3 S AP	-	48.102	0.6990	S NUBASE	3.00E-01
1 S AP	-	43.901	0.8010	S NUBASE	1.00E+00
0.94 MS +33-22		0	0	Work04	9.40E-04
0.2 S SY	-	35.974	0.5960	S NUBASE	2.00E-01
0.6 S SY	-	41.004	0.5960	S NUBASE	6.00E-01
0.6 S SY	-	41.004	0.5960	S NUBASE	6.00E-01
200 NS GE	-	43.631	0.4010	S 200305	2.00E-07
200 NS GE	-	43.631	0.4010	S 200305	2.00E-07
1.6 S 2	-	48.168	0.2980	S 200104	1.60E+00
1.6 S 2	-	48.168	0.2980	S 200104	1.60E+00
2.1 S 4	-	50.4823	0.8005	00XU08	2.10E+00
2.1 S 4	-	50.4823	0.8005	00XU08	2.10E+00
3.5 S 2	-	54.5408	0.1053	200103	3.50E+00
7.9 S 6	-	54.5408	0.1053	200103	7.90E+00
597 MS 17	-	57.06	0.3010	S 200003	5.97E-01
597 MS 17	-	57.06	0.3010	S 200003	5.97E-01
303 MS 17	-	56.7798	0.3010	S 200003	3.03E-01
15 US 4	-	56.4386	0.3010	S 200003	1.50E-05
12 S 1	-	60.4344	0.0596	200201	1.20E+01
21 S LT	-	60.4344	0.0596	200201	2.10E+01
1 S AP	-	62.3682	0.0279	200108	1.00E+00
4.25 S 15	-	61.9713	0.0279	200108	4.25E+00
4.25 S 15	-	61.9713	0.0279	200108	4.25E+00
20 M AP	-	65.8808	0.0568	93TO04	1.20E+03
30.9 S 7	-	65.8808	0.0568	960926	3.09E+01
8 S 4	-	67.7694	0.0452	971202	8.00E+00
23 S 2	-	67.7694	0.0452	971202	2.30E+01
1.18 MS 2	-	66.9898	0.0452	971202	1.18E-03
1.7 H 1	-	70.752	0.0119	199907	6.12E+03
1.83 M 6	-	70.7014	0.0119	199907	1.10E+02
60 M 1	-	70.5405	0.0139	200004	3.60E+03
2.20 M 5	-	70.4503	0.0139	200004	1.32E+02
4.118 H 25	-	71.496	0.0043	200406	1.48E+04
4.118 H 25	-	71.496	0.0043	200406	1.48E+04
4.16 M 4	-	71.4602	0.0043	200406	2.50E+02
4.16 M 4	-	71.4602	0.0043	200406	2.50E+02
3.48 H 16	-	71.1105	0.0076	960201	1.25E+04
3.48 H 16	-	71.1105	0.0076	960201	1.25E+04
5.8 M 2	-	70.6366	0.0076	960201	3.48E+02
17.609 H 1	-	71.6295	0.0046	199908	6.34E+04
17.609 H 1	-	71.6295	0.0046	199908	6.34E+04
25 S 3	-	71.53	0.0046	199908	2.50E+01
25 S 3	-	71.53	0.0046	199908	2.50E+01
17.5 H 1	-	70.7242	0.0401	980324	6.30E+04

17.5 H 1	-	70.7242	0.0401	980324	6.30E+04
4.2 M 1	-	70.2225	0.0401	980324	2.52E+02
4.2 M 1	-	70.2225	0.0401	980324	2.52E+02
2.34 D 1	-	71.3202	0.0045	Work04	2.02E+05
186 US 4	-	71.157	0.0045	Work04	1.86E-04
21.5 H 4	-	70.162	0.0454	199812	7.74E+04
21.5 H 4	-	70.162	0.0454	199812	7.74E+04
9.4 H 4	-	70.162	0.0454	199812	3.38E+04
9.4 H 4	-	70.162	0.0454	199812	3.38E+04
9.4 H 4	-	70.162	0.0454	199812	3.38E+04
22.7 H 5	-	70.162	0.0454	199812	8.17E+04
22.7 H 5	-	70.162	0.0454	199812	8.17E+04
5.32 D 6	-	71.2544	0.0121	200501	4.60E+05
5.35 D 10	-	70.0975	0.0044	200308	4.62E+05
24.4 H 10	-	70.0479	0.0044	200308	8.78E+04
5.3 H 2	-	70.0091	0.0044	200308	1.91E+04
5.3 H 2	-	70.0091	0.0044	200308	1.91E+04
71 Y 7	-	70.7706	0.0025	200501	2.24E+09
180 Y 11	-	69.4772	0.0026	200403	5.68E+09
180 Y 11	-	69.4772	0.0026	200403	5.68E+09
10.70 S 17	-	69.3669	0.0026	200403	1.07E+01
10.70 S 17	-	69.3669	0.0026	200403	1.07E+01
10.70 S 17	-	69.3669	0.0026	200403	1.07E+01
0.40 MS 4	-	69.0888	0.0026	200403	4.00E-04
STABLE	-100%	69.539	0.0026	200307	0.00E+00
72.3 D 2	-	67.8429	0.0026	Work04	6.25E+06
6.906 D 19	-	67.4682	0.0026	200010	5.97E+05
7.60 M 15	-	65.6813	0.0365	199909	4.56E+02
19.5 M 3	-	64.6014	0.0047	199910	1.17E+03
3.0 M 1	-	62.0833	0.1	200107	1.80E+02
2.11 M 10	-	60.659	0.1960	S 920316	1.27E+02
21 S 6	-	57.7601	0.1	199712	2.10E+01
19.4 S 27	-	55.843	0.4010	S 200008	1.94E+01
8.2 S 13	-	52.499	0.5030	S 199907	8.20E+00
2 S AP	-	50.096	0.5960	S NUBASE	2.00E+00
3 S AP	-	46.342	0.6990	S NUBASE	3.00E+00
0.5 S AP	-	43.501	0.8010	S NUBASE	5.00E-01
200 MS SY	-	34.94	0.5960	S NUBASE	2.00E-01
0.6 S 2	-	37.688	0.5030	S 200104	6.00E-01
0.6 S 2	-	37.688	0.5030	S 200104	6.00E-01
0.9 S 2	-	45.317	0.2980	S 200103	9.00E-01
0.9 S 2	-	45.317	0.2980	S 200103	9.00E-01
2.3 S 3	-	49.96	0.3620	S 200003	2.30E+00
2.3 S 3	-	49.96	0.3620	S 200003	2.30E+00
5.6 S 10	-	52.322	0.1960	S 03XU04	5.60E+00
5.6 S 10	-	52.322	0.1960	S 03XU04	5.60E+00
3.0 S 3	-	52.322	0.1960	S 03XU04	3.00E+00
3.0 S 3	-	52.322	0.1960	S 03XU04	3.00E+00
9.1 S 4	-	56.5845	0.0307	200108	9.10E+00
9.1 S 4	-	56.5845	0.0307	200108	9.10E+00
10.5 S 15	-	58.2882	0.0456	93AL03	1.05E+01
13.6 S 10	-	58.2882	0.0456	870206	1.36E+01

29 S 3	-	62.5541	0.0271	971202	2.90E+01
150 MS 20	-	59.6184	0.0271	971202	1.50E-01
40 S 10	-	64.1879	0.0198	920827	4.00E+01
40 S 10	-	64.1879	0.0198	920827	4.00E+01
55.7 S 7	-	63.4369	0.0198	93AL03	5.57E+01
55.7 S 7	-	63.4369	0.0198	93AL03	5.57E+01
3.3 M 2	-	67.8595	0.0106	200004	1.98E+02
4.20 M 14	-	67.7152	0.0088	200406	2.52E+02
0.490 S 15	-	65.0541	0.0088	200406	4.90E-01
0.490 S 15	-	65.0541	0.0088	200406	4.90E-01
7.17 M 5	-	69.317	0.0049	960417	4.30E+02
7.17 M 5	-	69.317	0.0049	960417	4.30E+02
17.9 M 3	-	68.7586	0.004	970311	1.07E+03
17.9 M 3	-	68.7586	0.004	970311	1.07E+03
2.38 H 2	-	70.1245	0.0052	200206	8.57E+03
2.38 H 2	-	70.1245	0.0052	200206	8.57E+03
6.4 H 1	-	69.1498	0.0045	Work04	2.30E+04
6.4 H 1	-	69.1498	0.0045	Work04	2.30E+04
3.0E+6 Y 15	-	70.3982	0.0076	199907	9.47E+13
9.9 H 2	-	69.1599	0.012	200501	3.56E+04
6 US 1	-	68.9256	0.012	200501	6.00E-06
STABLE	0.06% 1	70.5298	0.0066	200308	0.00E+00
8.14 H 4	-	69.4279	0.0067	200501	2.93E+04
21.6 MS 16	-	69.2285	0.0067	200501	2.16E-02
STABLE	0.10% 1	70.4121	0.0034	200403	0.00E+00
144.4 D 2	-	69.1735	0.0027	200307	1.25E+07
122 US 3	-	68.8207	0.0027	200307	1.22E-04
STABLE	2.34% 8	69.6781	0.0025	Work04	0.00E+00
STABLE	18.91% 24	68.0611	0.0025	200010	0.00E+00
STABLE	25.51% 26	68.1868	0.0025	199909	0.00E+00
STABLE	24.90% 16	66.3865	0.0025	199910	0.00E+00
STABLE	28.18% 37	65.9733	0.0025	200107	0.00E+00
2.334 H 1	-	63.6179	0.0025	199203	8.40E+03
1.257 M 6	-	63.5097	0.0025	199203	7.54E+01
1.257 M 6	-	63.5097	0.0025	199203	7.54E+01
81.6 H 1	-	62.5901	0.0026	199211	2.94E+05
6.20 M 8	-	59.9366	0.0603	200008	3.72E+02
8.7 M 3	-	58.5642	0.14	199907	5.22E+02
39 S 8	-	55.6031	0.3007	Work04	3.90E+01
30 S AP	-	53.663	0.1960	S NUBASE	3.00E+01
6 S AP	-	50.114	0.2980	S NUBASE	6.00E+00
3 S AP	-	47.73	0.4010	S NUBASE	3.00E+00
2 S AP	-	43.78	0.5030	S NUBASE	2.00E+00
6 MS 3	-	29.305	0.5030	S 200202	6.00E-03
4.1 MS 3	-	34.374	0.5030	S 200202	4.10E-03
6.6 US 8	-	34.308	0.5030	S 200202	6.60E-06
0.3 S AP	-	37.474	0.5030	S 93LI40	3.00E-01
0.3 S AP	-	37.474	0.5030	S 93LI40	3.00E-01
200 NS GT	-	42.281	0.4010	S NUBASE	2.00E-07
200 NS GT	-	42.281	0.4010	S 200201	2.00E-07
0.7 S 1	-	45.196	0.2980	S 200108	7.00E-01
0.7 S 1	-	45.196	0.2980	S 200108	7.00E-01

2.4 S 1	-	49.183	0.2980 S	199305	2.40E+00
3.6 S 3	-	51.568	0.1960 S	971202	3.60E+00
5.8 S 4	-	55.8375	0.0279	199208	5.80E+00
2.2 S 11	-	58.0153	0.1295	200004	2.20E+00
9.59 S 15	-	58.0153	0.1295	200004	9.59E+00
9.59 S 15	-	58.0153	0.1295	200004	9.59E+00
2.35 MS 4	-	57.3209	0.1295	200004	2.35E-03
21.1 S 2	-	61.6884	0.0184	200406	2.11E+01
56 S 3	-	61.6396	0.0184	200406	5.60E+01
72 S 4	-	61.9479	0.0142	951026	7.20E+01
23.3 S 3	-	61.1479	0.0142	951026	2.33E+01
35.2 S 1	-	63.6321	0.0121	970311	3.52E+01
35.2 S 1	-	63.6321	0.0121	970311	3.52E+01
47.2 S 10	-	63.5911	0.0121	970311	4.72E+01
47.2 S 10	-	63.5911	0.0121	970311	4.72E+01
161.8 S 3	-	63.6083	0.014	970116	1.62E+02
161.8 S 3	-	63.6083	0.014	970116	1.62E+02
50.0 S 4	-	63.4483	0.014	970116	5.00E+01
50.0 S 4	-	63.4483	0.014	970116	5.00E+01
2.01 M 3	-	65.0194	0.0056 Work04		1.21E+02
2.01 M 3	-	65.0194	0.0056 Work04		1.21E+02
9.3 M 5	-	64.9507	0.0056 Work04		5.58E+02
9.3 M 5	-	64.9507	0.0056 Work04		5.58E+02
11.76 M 19	-	64.6442	0.0084	199812	7.06E+02
11.76 M 19	-	64.6442	0.0084	199812	7.06E+02
3.10 M 14	-	64.6442	0.0084	199812	1.86E+02
3.10 M 14	-	64.6442	0.0084	199812	1.86E+02
3.10 M 14	-	64.6442	0.0084	199812	1.86E+02
48 M 1	-	66.0397	0.0179	200501	2.88E+03
0.88 MS 8	-	65.8977	0.0179	200501	8.80E-04
56 M 1	-	65.3546	0.0447	200308	3.36E+03
9.5 S 15	-	65.3022	0.0447	200308	9.50E+00
7.8 M 3	-	65.3022	0.0447	200308	4.68E+02
7.8 M 3	-	65.3022	0.0447	200308	4.68E+02
12.6 M 2	-	66.8289	0.0244	200501	7.56E+02
11.3 M 4	-	66.191	0.0272	200403	6.78E+02
28 M 2	-	66.1238	0.0272	200403	1.68E+03
28 M 2	-	66.1238	0.0272	200403	1.68E+03
21.3 M 23	-	66.011	0.0272	200403	1.28E+03
21.3 M 23	-	66.011	0.0272	200403	1.28E+03
33.05 M 11	-	67.3359	0.0038	200307	1.98E+03
8.30 S 8	-	67.13	0.0038	200307	8.30E+00
25.6 M 3	-	66.3881	0.0152 Work04		1.54E+03
5.02 H 5	-	66.3281	0.0152 Work04		1.81E+04
5.02 H 5	-	66.3281	0.0152 Work04		1.81E+04
3 S	-	66.2185	0.0152 Work04		3.00E+00
2.48 H 5	-	67.2028	0.0032	200010	8.93E+03
6.76 S 7	-	66.9916	0.0032	200010	6.76E+00
15.0 M 10	-	66.0471	0.0039	199909	9.00E+02
67.0 M 7	-	65.9411	0.0039	199909	4.02E+03
67.0 M 7	-	65.9411	0.0039	199909	4.02E+03
4570 Y 25	-	66.3839	0.0025	199910	1.44E+11

1.09 S 3	-	66.086	0.0025	199910	1.09E+00
29 M 1	-	64.9871	0.0028	200107	1.74E+03
29 M 1	-	64.9871	0.0028	200107	1.74E+03
37.5 M +15-5	-	64.8473	0.0028	200107	2.25E+03
STABLE	-100%	64.9046	0.0025	920316	0.00E+00
26.83 H 2	-	63.0769	0.0025	199211	9.66E+04
1.20E3 Y 18	-	63.0709	0.0025	199211	3.79E+10
3.003 H 18	-	62.2866	0.0057	02KA45	1.08E+04
2.99 M 7	-	60.0667	0.0301	940708	1.79E+02
132 S 4	-	60.0077	0.0301	940708	1.32E+02
132 S 4	-	60.0077	0.0301	940708	1.32E+02
4.72 M 10	-	58.8031	0.0202	Work04	2.83E+02
2.76 M 5	-	56.2446	0.0501	200211	1.66E+02
43 S 2	-	56.1246	0.0501	200211	4.30E+01
53 S 2	-	54.5249	0.6	200209	5.30E+01
25 S 3	-	51.4	0.4010	S 950609	2.50E+01
10 S AP	-	49.099	0.4010	S NUBASE	1.00E+01
8 S AP	-	45.503	0.5030	S NUBASE	8.00E+00
5 S AP	-	42.802	0.5960	S NUBASE	5.00E+00
0.2 S SY	-	31.354	0.5960	S NUBASE	2.00E-01
200 NS GE	-	36.906	0.4010	S Work04	2.00E-07
0.9 S 3	-	39.691	0.4010	S 980109	9.00E-01
0.9 S 3	-	39.691	0.4010	S 980109	9.00E-01
1.7 S 6	-	44.712	0.2980	S 971202	1.70E+00
1.7 S 6	-	44.712	0.2980	S 971202	1.70E+00
2.5 S 2	-	47.05	0.2980	S 920827	2.50E+00
2.5 S 2	-	47.05	0.2980	S 920827	2.50E+00
2.5 S AP	-	47.05	0.2980	S 920827	2.50E+00
2.5 S AP	-	47.05	0.2980	S 920827	2.50E+00
4.6 S 2	-	51.651	0.1960	S 200004	4.60E+00
4 S 2	-	53.7416	0.0279	200406	4.00E+00
4 S 2	-	53.7416	0.0279	200406	4.00E+00
8.9 S 2	-	52.9998	0.0279	200406	8.90E+00
8.9 S 2	-	52.9998	0.0279	200406	8.90E+00
8.9 S 2	-	52.9998	0.0279	200406	8.90E+00
18.5 S 7	-	57.8329	0.0172	951026	1.85E+01
23.5 S 13	-	58.266	0.0165	970311	2.35E+01
0.58 S 2	-	55.6805	0.0165	970311	5.80E-01
0.58 S 2	-	55.6805	0.0165	970311	5.80E-01
10.3 S 1	-	60.5002	0.0107	970116	1.03E+01
10.3 S 1	-	60.5002	0.0107	970116	1.03E+01
37.1 S 2	-	60.488	0.0088	Work04	3.71E+01
37.1 S 2	-	60.488	0.0088	Work04	3.71E+01
3.73 M 9	-	62.6122	0.0055	200107	2.24E+02
3.73 M 9	-	62.6122	0.0055	200107	2.24E+02
39 NS 4	-	59.5872	0.0055	200107	3.90E-08
39 NS 4	-	59.5872	0.0055	200107	3.90E-08
5.3 M 3	-	62.2155	0.0065	200501	3.18E+02
5.3 M 3	-	62.2155	0.0065	200501	3.18E+02
19.5 M 10	-	64.2128	0.0244	200308	1.17E+03
19.5 M 10	-	64.2128	0.0244	200308	1.17E+03
18.65 M 10	-	63.4198	0.0279	200501	1.12E+03

76 MS 6	-	63.2644	0.0279	200501	7.60E-02
2.29 H 6	-	65.3038	0.0252	200403	8.24E+03
36 M 1	-	64.5674	0.0043	200307	2.16E+03
28.58 H 9	-	66.0585	0.0244	Work04	1.03E+05
3.21 H 3	-	65.2089	0.0094	200010	1.16E+04
7.5 US 7	-	64.8125	0.0094	200010	7.50E-06
STABLE	0.139% 5	66.3426	0.0035	199909	0.00E+00
75.0 M 4	-	65.1741	0.0052	199910	4.50E+03
STABLE	1.601% 3	65.9496	0.0031	200107	0.00E+00
10.36 H 4	-	64.5283	0.0031	920316	3.73E+04
STABLE	33.503% 3	64.9316	0.0025	199211	0.00E+00
STABLE	22.869% 9	63.2967	0.0025	200008	0.00E+00
2.269 S 6	-	63.0889	0.0025	200008	2.27E+00
STABLE	26.978% 1	62.9967	0.0025	940708	0.00E+00
9.392 D 18	-	60.9287	0.0025	Work04	8.11E+05
STABLE	14.910% 3	60.1146	0.0028	200211	0.00E+00
7.516 H 2	-	57.7249	0.0028	200209	2.71E+04
49.3 H 3	-	56.4894	0.0046	950609	1.77E+05
1.4 M 1	-	53.654	0.1960 S	950619	8.40E+01
3.2 M 2	-	51.949	0.2980 S	199908	1.92E+02
1.2 M 3	-	48.652	0.4010 S	200410	7.20E+01
20 S AP	-	46.5	0.4010 S	NUBASE	2.00E+01
3 S AP	-	42.802	0.5030 S	NUBASE	3.00E+00
3.1 US 3	-	27.877	0.4010 S	Work04	3.10E-06
80 MS 10	-	31.275	0.4010 S	03GI10	8.00E-02
80 MS 10	-	31.275	0.4010 S	03GI10	8.00E-02
200 MS 10	-	31.095	0.4010 S	03GI10	2.00E-01
200 MS 10	-	31.095	0.4010 S	03GI10	2.00E-01
0.58 S 3	-	36.365	0.2980 S	200202	5.80E-01
0.58 S 3	-	36.365	0.2980 S	200202	5.80E-01
0.36 MS 4	-	36.297	0.2980 S	200202	3.60E-04
0.7 S 2	-	39.272	0.4010 S	200004	7.00E-01
0.9 S 2	-	44.041	0.2980 S	200406	9.00E-01
0.9 S 2	-	44.041	0.2980 S	200406	9.00E-01
2.2 S 2	-	46.612	0.1960 S	951026	2.20E+00
5.2 MS 3	-	45.9404	0.1960 S	951026	5.20E-03
4.17 S 10	-	50.7818	0.0203	970513	4.17E+00
6.6 S 14	-	50.7818	0.0203	970513	6.60E+00
8.0 S 10	-	51.7706	0.0736	970116	8.00E+00
5.2 S 6	-	51.7706	0.0736	970116	5.20E+00
294 NS 12	-	49.2155	0.0736	970116	2.94E-07
42 NS 5	-	45.4706	0.0736	970116	4.20E-08
1.48 S 1	-	54.0154	0.0185	Work04	1.48E+00
1.48 S 1	-	54.0154	0.0185	Work04	1.48E+00
2.5 S 2	-	53.9722	0.0185	Work04	2.50E+00
2.5 S 2	-	53.9722	0.0185	Work04	2.50E+00
8.1 S 3	-	54.4292	0.0144	199812	8.10E+00
8.1 S 3	-	54.4292	0.0144	199812	8.10E+00
3.30 S 7	-	54.4292	0.0144	199812	3.30E+00
3.30 S 7	-	54.4292	0.0144	199812	3.30E+00
3.30 S 7	-	54.4292	0.0144	199812	3.30E+00
21.6 S 2	-	56.6353	0.0132	200501	2.16E+01

21.6 S 2	-	56.6353	0.0132	200501	2.16E+01
45 S 3	-	56.5943	0.0132	200501	4.50E+01
45 S 3	-	56.5943	0.0132	200501	4.50E+01
83.8 S 18	-	56.8398	0.0157	200308	8.38E+01
83.8 S 18	-	56.8398	0.0157	200308	8.38E+01
3.63 M 9	-	58.7093	0.0279	200501	2.18E+02
3.98 M 6	-	58.7032	0.0252	200403	2.39E+02
20 S AP	-	58.7032	0.0252	200403	2.00E+01
9.13 M 16	-	60.5704	0.0279	200307	5.48E+02
9.4 M 3	-	60.3023	0.0343	Work04	5.64E+02
74.5 S 15	-	60.2323	0.0343	Work04	7.45E+01
74.5 S 15	-	60.2323	0.0343	Work04	7.45E+01
30.2 M 8	-	61.8987	0.0279	200010	1.81E+03
21.70 M 19	-	61.4836	0.0263	199909	1.30E+03
24.3 S 17	-	61.4836	0.0263	199909	2.43E+01
24.3 S 17	-	61.4836	0.0263	199909	2.43E+01
1.810 H 5	-	62.7351	0.006	199910	6.52E+03
2.0 M 1	-	61.8885	0.0279	200107	1.20E+02
2.0 M 1	-	61.8885	0.0279	200107	1.20E+02
5.1 M 1	-	61.8885	0.0279	200107	3.06E+02
5.1 M 1	-	61.8885	0.0279	200107	3.06E+02
30.06 H 3	-	62.9359	0.0033	199203	1.08E+05
7.70 H 3	-	61.8939	0.0118	199211	2.77E+04
9.25 D 2	-	62.5483	0.0027	200008	7.99E+05
93.1 D 2	-	61.3177	0.0029	940708	8.04E+06
93.1 D 2	-	61.3177	0.0029	940708	8.04E+06
STABLE	-100%	61.28	0.0025	Work04	0.00E+00
128.6 D 3	-	59.8006	0.0025	200211	1.11E+07
128.6 D 3	-	59.8006	0.0025	200211	1.11E+07
1.92 Y 1	-	59.2156	0.0026	200209	6.06E+07
63.6 H 2	-	57.38	0.006	950609	2.29E+05
8.24 H 8	-	56.2589	0.0051	950619	2.97E+04
5.4 M 1	-	53.8696	0.0448	199908	3.24E+02
15.2 M 5	-	52.3156	0.0501	200410	9.12E+02
1.9 M 1	-	49.3741	0.1	199807	1.14E+02
90 S 6	-	47.469	0.2980 S	200305	9.00E+01
30 S AP	-	44.116	0.4010 S	NUBASE	3.00E+01
20 S AP	-	41.601	0.5030 S	NUBASE	2.00E+01
0.25 S AP	-	30.348	0.5960 S	NUBASE	2.50E-01
0.7 S 2	-	33.497	0.5030 S	200406	7.00E-01
0.7 S 2	-	33.497	0.5030 S	200406	7.00E-01
200 NS GT	-	38.732	0.4010 S	NUBASE	2.00E-07
1.6 S 1	-	41.5439	0.3005	970311	1.60E+00
1.6 S 1	-	41.5439	0.3005	970311	1.60E+00
1.6 S 1	-	41.5439	0.3005	970311	1.60E+00
1.6 S 1	-	41.5439	0.3005	970311	1.60E+00
1.6 S 1	-	41.5439	0.3005	970311	1.60E+00
3.04 S 6	-	46.3056	0.2084	970116	3.04E+00
3.04 S 6	-	46.3056	0.2084	970116	3.04E+00
30 US 1	-	43.5611	0.2084	970116	3.00E-05
4.2 S 2	-	47.059	0.1960 S	Work04	4.20E+00
4.2 S 2	-	47.059	0.1960 S	Work04	4.20E+00

0.409 S 2	-	49.9337	0.0173	199812	4.09E-01
0.409 S 2	-	49.9337	0.0173	199812	4.09E-01
1.793 S 19	-	50.5034	0.0166	200501	1.79E+00
1.793 S 19	-	50.5034	0.0166	200501	1.79E+00
26.1 S 7	-	53.2645	0.0113	200308	2.61E+01
26.1 S 7	-	53.2645	0.0113	200308	2.61E+01
38.6 S 10	-	53.4418	0.0101	200501	3.86E+01
38.6 S 10	-	53.4418	0.0101	200501	3.86E+01
1.49 M 13	-	56.0148	0.0082	200403	8.94E+01
1.49 M 13	-	56.0148	0.0082	200403	8.94E+01
1.67 M 9	-	55.843	0.0184	200401	1.00E+02
4.8 M 2	-	58.1696	0.0165	Work04	2.88E+02
4.2 M 2	-	57.8442	0.016	200010	2.52E+02
18.87 M 19	-	59.8315	0.016	199909	1.13E+03
11.05 M 35	-	59.3042	0.016	199910	6.63E+02
75.8 M 17	-	61.0227	0.016	200107	4.55E+03
9.9 M 3	-	60.2872	0.0279	920316	5.94E+02
56.7 H 1	-	61.5885	0.0083	199211	2.04E+05
17.5 M 2	-	60.5941	0.0046	200008	1.05E+03
STABLE	0.13% 1	61.5746	0.0044	940708	0.00E+00
32.018 D 5	-	60.3703	0.0044	Work04	2.77E+06
46 S 2	-	60.3461	0.0044	Work04	4.60E+01
STABLE	3.04% 15	60.769	0.0024	200211	0.00E+00
STABLE	14.28% 57	59.3121	0.0024	200209	0.00E+00
5.25 MS 24	-	59.2168	0.0024	200209	5.25E-03
STABLE	21.83% 67	59.2603	0.0024	950609	0.00E+00
STABLE	16.13% 27	57.5563	0.0024	950619	0.00E+00
STABLE	31.83% 92	56.9496	0.0024	199908	0.00E+00
830 US 40	-	55.4315	0.0024	199908	8.30E-04
4.185 D 1	-	54.7006	0.0024	200410	3.62E+05
68.2 MS 3	-	54.1857	0.0024	200410	6.82E-02
1.6E+17 Y GE	12.76% 41	53.4941	0.0026	96DE60	5.05E+24
11.4 S 3	-	52.4441	0.0026	199807	1.14E+01
11.4 S 3	-	52.4441	0.0026	199807	1.14E+01
1.911 H 3	-	50.9892	0.0026	200305	6.88E+03
6.41 S 2	-	50.6577	0.0026	200305	6.41E+00
74 M 3	-	49.6983	0.0103	940816	4.44E+03
8.0 M 4	-	46.416	0.2980 S	199412	4.80E+02
2.4 M 5	-	44.404	0.4010 S	200403	1.44E+02
1 M SY	-	40.846	0.4010 S	NUBASE	6.00E+01
43 MS 5	-	24.938	0.5030 S	03RO21	4.30E-02
43 MS 5	-	24.938	0.5030 S	03RO21	4.30E-02
39 US 7	-	24.904	0.5030 S	03GI10	3.90E-05
80.6 MS 19	-	30.202	0.4010 S	200202	8.06E-02
80.6 MS 19	-	30.202	0.4010 S	200202	8.06E-02
16 US 1	-	30.125	0.4010 S	200202	1.60E-05
0.7 S 1	-	33.422	0.1960 S	970116	7.00E-01
0.7 S 1	-	33.422	0.1960 S	970116	7.00E-01
0.9 S 2	-	38.408	0.2087	Work04	9.00E-01
0.9 S 2	-	38.408	0.2087	Work04	9.00E-01
2 S AP	-	39.568	0.2020 S	981203	2.00E+00
1.12 S 8	-	39.568	0.2020 S	199812	1.12E+00

68 MS 1	-	42.5542	0.0201	200501	6.80E-02
68 MS 1	-	42.5542	0.0201	200501	6.80E-02
138 MS 8	-	42.5342	0.0201	200501	1.38E-01
138 MS 8	-	42.5342	0.0201	200501	1.38E-01
2.69 MS 3	-	40.7732	0.0201	200501	2.69E-03
494 MS 12	-	43.7499	0.0737	200308	4.94E-01
494 MS 12	-	43.7499	0.0737	200308	4.94E-01
198 MS 2	-	43.7499	0.0737	200308	1.98E-01
6.8 S 18	-	46.4831	0.0187	200501	6.80E+00
4.79 S 12	-	46.4571	0.0187	200501	4.79E+00
4.79 S 12	-	46.4571	0.0187	200501	4.79E+00
10.6 S 3	-	47.2144	0.0151	200403	1.06E+01
10.6 S 3	-	47.2144	0.0151	200403	1.06E+01
12.1 S 10	-	49.715	0.0377	200307	1.21E+01
12.1 S 10	-	49.715	0.0377	200307	1.21E+01
36.1 S 3	-	50.2699	0.0568	Work04	3.61E+01
36.1 S 3	-	50.2699	0.0568	Work04	3.61E+01
40 S 1	-	50.2699	0.0568	Work04	4.00E+01
40 S 1	-	50.2699	0.0568	Work04	4.00E+01
77 S 2	-	52.5623	0.0279	200010	7.70E+01
7.3 MS 4	-	52.4267	0.0279	200010	7.30E-03
1.37 M 2	-	52.8369	0.075	199909	8.22E+01
1.5 M	-	52.8369	0.075	199909	9.00E+01
1.9 M	-	52.8369	0.075	199909	1.14E+02
3.97 M 13	-	54.7914	0.0279	200206	2.38E+02
3.14 M 3	-	54.6424	0.0279	200206	1.88E+02
10.74 M 10	-	56.4423	0.0265	200304	6.44E+02
2.65 M 10	-	56.021	0.0298	199211	1.59E+02
1.41 M 10	-	55.9866	0.0298	199211	8.46E+01
1.41 M 10	-	55.9866	0.0298	199211	8.46E+01
2.12 M 10	-	55.9781	0.0298	199211	1.27E+02
2.12 M 10	-	55.9781	0.0298	199211	1.27E+02
51.5 M 10	-	57.5011	0.0317	200304	3.09E+03
1 M GE	-	57.5011	0.0317	200304	6.00E+01
1 M GE	-	57.5011	0.0317	200304	6.00E+01
5.5 M 1	-	57.0642	0.047	940708	3.30E+02
6.7 M 4	-	56.8442	0.047	940708	4.02E+02
6.7 M 4	-	56.8442	0.047	940708	4.02E+02
34.06 H 5	-	58.0773	0.0053	Work04	1.23E+05
160 S 10	-	58.0483	0.0053	Work04	1.60E+02
2.012 D 20	-	57.3102	0.017	200211	1.74E+05
0.67 S 10	-	57.2173	0.017	200211	6.70E-01
8.24 D 3	-	57.8335	0.0028	200209	7.12E+05
79 S 2	-	57.7624	0.0028	200209	7.90E+01
6.70 D 3	-	56.7413	0.003	950908	5.79E+05
3.7 M 5	-	56.6994	0.003	950908	2.22E+02
440 US 12	-	56.6319	0.003	950908	4.40E-04
1.37 Y 1	-	56.8858	0.0024	950619	4.32E+07
3.31 Y 5	-	55.5753	0.0024	199908	1.04E+08
142 D 2	-	55.4045	0.0024	199908	1.23E+07
142 D 2	-	55.4045	0.0024	199908	1.23E+07
STABLE	97.41% 2	55.1707	0.0022	200410	0.00E+00

3.76E+10 Y 7	2.59% 2	53.3874	0.0022	05Work	1.19E+18
3.664 H 19	-	53.2645	0.0022	199807	1.32E+04
3.664 H 19	-	53.2645	0.0022	199807	1.32E+04
6.6475 D 20	-	52.389	0.0022	04SC04	5.74E+05
160.44 D 6	-	51.4188	0.0022	200305	1.39E+07
160.44 D 6	-	51.4188	0.0022	200305	1.39E+07
6 M +3-2	-	49.689	0.0022	200305	3.60E+02
6 M +3-2	-	49.689	0.0022	200305	3.60E+02
28.4 M 2	-	50.343	0.0029	940816	1.70E+03
23.1 M 3	-	50.223	0.0029	940816	1.39E+03
4.59 H 6	-	49.0642	0.0055	199412	1.65E+04
3.1 MS 9	-	48.4718	0.0055	199412	3.10E-03
5.7 M 1	-	46.6854	0.0707	200403	3.42E+02
1 MS GE	-	46.0614	0.0707	200403	1.00E-03
3.5 M 3	-	44.74	0.2980	S Work04	2.10E+02
2.0 M 2	-	41.88	0.1960	S 950526	1.20E+02
58 S 4	-	39.523	0.2980	S 920511	5.80E+01
20 S 3	-	36.412	0.4010	S 95KR04	2.00E+01
60 NS GT	-	27.302	0.5030	S Work04	6.00E-08
2 S 1	-	32.733	0.5030	S 199812	2.00E+00
2 S 1	-	32.733	0.5030	S 199812	2.00E+00
9 US 4	-	30.062	0.5030	S 199812	9.00E-06
0.89 S 12	-	34.102	0.4010	S 200501	8.90E-01
23 MS 1	-	37.8522	0.2085	200308	2.30E-02
0.52 MS 1	-	35.8932	0.2085	200308	5.20E-04
110 MS 6	-	38.754	0.1960	S 200501	1.10E-01
110 MS 6	-	38.754	0.1960	S 200501	1.10E-01
2.85 S 7	-	42.1041	0.0175	200403	2.85E+00
2.85 S 7	-	42.1041	0.0175	200403	2.85E+00
5.6 S 4	-	42.8535	0.0168	200307	5.60E+00
5.6 S 4	-	42.8535	0.0168	200307	5.60E+00
13.6 S 2	-	45.9372	0.0116	Work04	1.36E+01
13.6 S 2	-	45.9372	0.0116	Work04	1.36E+01
18.2 S 5	-	46.3187	0.0225	200010	1.82E+01
18.2 S 5	-	46.3187	0.0225	200010	1.82E+01
39.4 S 9	-	49.1731	0.0096	199909	3.94E+01
39.4 S 9	-	49.1731	0.0096	199909	3.94E+01
40.0 S 6	-	49.2863	0.0279	199910	4.00E+01
40.0 S 6	-	49.2863	0.0279	199910	4.00E+01
111 S 8	-	51.8215	0.0204	200107	1.11E+02
76 S 4	-	51.6355	0.0279	199203	7.60E+01
6.77 M 30	-	53.859	0.0279	199211	4.06E+02
2.05 M 5	-	53.4678	0.0279	200008	1.23E+02
25.95 M 20	-	55.3605	0.0279	200105	1.56E+03
3.24 M 4	-	54.7169	0.0279	Work04	1.94E+02
16.01 H 13	-	56.2539	0.0279	200304	5.76E+04
12.1 H 4	-	55.4313	0.0289	200209	4.36E+04
29.5 S 9	-	55.4094	0.0289	200209	2.95E+01
29.5 S 9	-	55.4094	0.0289	200209	2.95E+01
1.87 Y 3	-	56.4035	0.0244	950609	5.90E+07
23.6 H 1	-	55.4118	0.0279	200410	8.50E+04
2.0E+15 Y 4	0.16% 1	55.8466	0.0028	200410	6.31E+22

70 D 2	-	54.4838	0.0028	200410	6.05E+06
STABLE	5.26% 7	54.5775	0.0022	199807	0.00E+00
STABLE	18.60% 9	52.8896	0.0021	200305	0.00E+00
1.09 S 5	-	51.5741	0.0021	200305	1.09E+00
51.4 M 5	-	50.1496	0.0021	200305	3.08E+03
STABLE	27.28% 7	52.4443	0.0021	940816	0.00E+00
4.0 S 2	-	51.2973	0.0021	940816	4.00E+00
31 Y 1	-	49.9983	0.0021	940816	9.78E+08
STABLE	13.62% 2	50.4719	0.0021	199412	0.00E+00
18.67 S 4	-	50.0969	0.0021	199412	1.87E+01
25.05 D 25	-	49.3661	0.0021	199412	2.16E+06
STABLE	35.08% 16	49.7884	0.0021	200403	0.00E+00
5.47 H 4	-	48.6469	0.0021	200403	1.97E+04
5.47 H 4	-	48.6469	0.0021	200403	1.97E+04
42.39 D 6	-	47.4119	0.0021	Work04	3.66E+06
1.5 MS 5	-	45.67	0.0021	Work04	1.50E-03
8.90E+6 Y 9	-	46.0586	0.0064	950526	2.81E+14
61.5 M 15	-	44.8856	0.0064	950526	3.69E+03
61.5 M 15	-	44.8856	0.0064	950526	3.69E+03
1.067 H 17	-	43.2861	0.0301	199107	3.84E+03
4.12 H 5	-	41.5013	0.0397	900212	1.48E+04
48 S 10	-	40.229	0.0397	NUBASE	4.80E+01
3.5 M 6	-	38.359	0.1960	S Work04	2.10E+02
2.6 M 12	-	36.431	0.2980	S 200306	1.56E+02
30 S SY	-	32.984	0.4010	S NUBASE	3.00E+01
20 S SY	-	30.879	0.5030	S 200204	2.00E+01
12 US +4-3	-	23.668	0.5030	S 200501	1.20E-05
144 MS 24	-	25.799	0.4010	S 200308	1.44E-01
144 MS 24	-	25.799	0.4010	S 200308	1.44E-01
0.36 S 4	-	25.697	0.4010	S 200308	3.60E-01
0.36 S 4	-	25.697	0.4010	S 200308	3.60E-01
10.1 MS 4	-	29.6285	0.2087	200501	1.01E-02
10.1 MS 4	-	29.6285	0.2087	200501	1.01E-02
4.3 MS 1	-	29.6065	0.2087	200501	4.30E-03
1.7 MS 1	-	28.0395	0.2087	200501	1.70E-03
55 MS 15	-	31.019	0.2020	S 200403	5.50E-02
55 MS 15	-	31.019	0.2020	S 200403	5.50E-02
36.7 MS 15	-	30.878	0.2020	S 200403	3.67E-02
36.7 MS 15	-	30.878	0.2020	S 200403	3.67E-02
0.83 S 18	-	34.4484	0.0205	200307	8.30E-01
0.83 S 18	-	34.4484	0.0205	200307	8.30E-01
515 MS 20	-	34.3844	0.0205	200307	5.15E-01
515 MS 20	-	34.3844	0.0205	200307	5.15E-01
1.55 S 4	-	35.8755	0.089	Work04	1.55E+00
1.55 S 4	-	35.8755	0.089	Work04	1.55E+00
1.7 S 2	-	35.8755	0.089	Work04	1.70E+00
2.89 S 12	-	38.734	0.0550	S 200010	2.89E+00
2.89 S 12	-	38.734	0.0550	S 200010	2.89E+00
3.57 S 12	-	39.7824	0.0522	199909	3.57E+00
3.57 S 12	-	39.7824	0.0522	199909	3.57E+00
10.6 S 18	-	42.5411	0.0381	199910	1.06E+01
10.6 S 18	-	42.5411	0.0381	199910	1.06E+01

14.2 S 3	-	43.2828	0.0279	200107	1.42E+01
31.0 S 15	-	45.8551	0.0174	920316	3.10E+01
34.4 S 5	-	46.0978	0.0279	199211	3.44E+01
80 S 4	-	48.3511	0.0279	200008	8.00E+01
2.0 M 1	-	48.3939	0.0279	940708	1.20E+02
4.9 M 4	-	50.2904	0.0279	Work04	2.94E+02
6.76 M 6	-	50.1377	0.0279	200211	4.06E+02
23.3 M 3	-	51.7203	0.0279	200209	1.40E+03
36.8 M 3	-	51.33	0.0279	950609	2.21E+03
3.14 H 13	-	52.3965	0.0279	950619	1.13E+04
1.14 H 8	-	51.7408	0.0279	199908	4.10E+03
10.5 H 2	-	52.4086	0.0279	200410	3.78E+04
8.09 H 5	-	51.3654	0.0307	199807	2.91E+04
1.1 MS 1	-	51.2624	0.0307	199807	1.10E-03
0.97 MS 7	-	48.5906	0.0307	199807	9.70E-04
56.56 H 6	-	51.7236	0.0037	200305	2.04E+05
9.31 M 3	-	50.5073	0.0152	940816	5.59E+02
2.36 H 8	-	50.5073	0.0152	940816	8.50E+03
60 MS 5	-	49.0363	0.0152	940816	6.00E-02
1.82 Y 3	-	50.3663	0.0022	200005	5.74E+07
9.0 MS 2	-	49.049	0.0022	200005	9.00E-03
54.1 MS 17	-	47.727	0.0022	200005	5.41E-02
8.154 H 6	-	48.9362	0.0022	200403	2.94E+04
8.154 H 6	-	48.9362	0.0022	200403	2.94E+04
1.2E+15 Y GT	0.012% 2	48.8591	0.0022	200403	3.79E+22
STABLE	99.988% 2	48.4416	0.0018	Work04	0.00E+00
114.43 D 3	-	46.4333	0.0018	950526	9.89E+06
283 MS 3	-	46.4173	0.0018	950526	2.83E-01
15.84 M 10	-	45.9133	0.0018	950526	9.50E+02
5.1 D 1	-	45.2961	0.0018	920511	4.41E+05
8.7 H 1	-	42.8413	0.026	900212	3.13E+04
49.4 M 15	-	41.3962	0.0142	Work04	2.96E+03
1 MS GT	-	40.1377	0.0142	Work04	1.00E-03
10.5 M 3	-	38.6085	0.06	200306	6.30E+02
1.54 M 5	-	38.6085	0.06	04XU08	9.24E+01
2 M AP	-	36.766	0.1960 S	99BE63	1.20E+02
20 S AP	-	33.813	0.1960 S	200204	2.00E+01
3 S SY	-	31.829	0.2980 S	200309	3.00E+00
0.3 S SY	-	28.662	0.4010 S	NUBASE	3.00E-01
1.25 MS 21	-	23.695	0.5030 S	200403	1.25E-03
0.143 MS 19	-	21.807	0.5030 S	200403	1.43E-04
0.143 MS 19	-	21.807	0.5030 S	200403	1.43E-04
7.3 MS 27	-	25.227	0.4010 S	200307	7.30E-03
7.3 MS 27	-	25.227	0.4010 S	200307	7.30E-03
91 MS 5	-	29.3618	0.2085	Work04	9.10E-02
409 MS 18	-	30.407	0.1960 S	200010	4.09E-01
1.36 S 7	-	34.0019	0.0177	199909	1.36E+00
1.36 S 7	-	34.0019	0.0177	199909	1.36E+00
2.8 S 2	-	34.9091	0.0528	199910	2.80E+00
2.8 S 2	-	34.9091	0.0528	199910	2.80E+00
6.3 S 2	-	38.2337	0.0118	200107	6.30E+00
6.3 S 2	-	38.2337	0.0118	200107	6.30E+00

5.1 S 5	-	38.862	0.025	199910	5.10E+00
5.1 S 5	-	38.862	0.025	199910	5.10E+00
19.2 S 6	-	41.8918	0.0104	200005	1.92E+01
19.2 S 6	-	41.8918	0.0104	200005	1.92E+01
19.9 S 5	-	42.0886	0.0193	200008	1.99E+01
19.9 S 5	-	42.0886	0.0193	200008	1.99E+01
53 S 2	-	44.8902	0.0163	940708	5.30E+01
53 S 2	-	44.8902	0.0163	940708	5.30E+01
74 S 6	-	44.9178	0.0154	Work04	7.40E+01
2.42 M 4	-	47.2934	0.0151	200211	1.45E+02
2.38 M 4	-	47.0861	0.0279	200209	1.43E+02
6.6 M 9	-	49.0972	0.0279	950609	3.96E+02
7.6 M 2	-	48.7274	0.0279	950619	4.56E+02
33.2 M 21	-	50.2271	0.0279	199908	1.99E+03
35.2 M 6	-	49.6328	0.0279	200410	2.11E+03
2.5 H 1	-	50.6416	0.0279	199807	9.00E+03
132 M 2	-	49.7017	0.0279	200305	7.92E+03
21.6 D 3	-	50.416	0.0153	940816	1.87E+06
37.05 M 16	-	49.3036	0.0155	199412	2.22E+03
6.40 M 7	-	49.0817	0.0155	199412	3.84E+02
6.40 M 7	-	49.0817	0.0155	199412	3.84E+02
1.8E+18 Y 2	0.12% 1	49.6445	0.0039	04CO26	5.68E+25
121.2 D 2	-	48.254	0.0047	Work04	1.05E+07
8.3E+18 Y GT	26.50% 16	48.2475	0.0008	97GE15	2.62E+26
1.3E+19 Y GT	14.31% 4	46.367	0.0008	03CE01	4.10E+26
5.2 S 3	-	46.0575	0.0008	200107	5.20E+00
2.9E+19 Y GT	30.64% 2	45.7073	0.0009	03CE01	9.15E+26
75.1 D 3	-	43.3897	0.0009	Work04	6.49E+06
1.67 M 3	-	43.1923	0.0009	Work04	1.00E+02
2.7E+19 Y GT	28.43% 19	42.5095	0.0017	03CE01	8.52E+26
3 MS GT	-	38.9667	0.0017	200306	3.00E-03
23.72 H 6	-	39.9048	0.0017	920117	8.54E+04
69.78 D 5	-	38.6671	0.0033	200204	6.03E+06
10.7 M 5	-	35.4779	0.2002	200309	6.42E+02
30.0 M 15	-	34.2963	0.1648	200306	1.80E+03
3.1 MS LE	-	31.9153	0.1648	200306	3.10E-03
300 NS GT	-	31.112	0.1960	S NUBASE	3.00E-07
300 NS GT	-	29.649	0.5960	S NUBASE	3.00E-07
0.82 MS +15-9	-	16.66	0.4010	S Work04	8.20E-04
0.82 MS +15-9	-	16.66	0.4010	S Work04	8.20E-04
0.37 MS 4	-	20.8756	0.2086	200202	3.70E-04
15.6 MS 9	-	20.7518	0.2086	200202	1.56E-02
15.6 MS 9	-	20.7518	0.2086	200202	1.56E-02
107 MS 13	-	22.354	0.2020	S 199909	1.07E-01
107 MS 13	-	22.354	0.2020	S 199909	1.07E-01
77 MS 9	-	22.181	0.2020	S 199909	7.70E-02
77 MS 9	-	22.181	0.2020	S 199909	7.70E-02
390 MS 72	-	26.0068	0.0199	199910	3.90E-01
390 MS 72	-	26.0068	0.0199	199910	3.90E-01
214 MS 5	-	25.8918	0.0199	199910	2.14E-01
214 MS 5	-	25.8918	0.0199	199910	2.14E-01
0.53 S 23	-	27.644	0.1590	S 200107	5.30E-01

0.53 S 23	-	27.644	0.1590 S	200107	5.30E-01
1 S AP	-	30.6568	0.0277	199908	1.00E+00
1 S AP	-	30.6568	0.0277	199908	1.00E+00
2.1 S 3	-	30.6088	0.0277	199908	2.10E+00
2.1 S 3	-	30.6088	0.0277	199908	2.10E+00
2.8 S 3	-	31.85	0.0880 S	199211	2.80E+00
5.9 S 3	-	34.837	0.0520 S	200008	5.90E+00
5.9 S 3	-	34.837	0.0520 S	200008	5.90E+00
3.4 S 4	-	34.837	0.0520 S	200008	3.40E+00
4.4 S 1	-	35.7949	0.0308	940708	4.40E+00
4.4 S 1	-	35.7949	0.0308	940708	4.40E+00
8.1 S 5	-	38.3858	0.0281	Work04	8.10E+00
8.1 S 5	-	38.3858	0.0281	Work04	8.10E+00
15.1 S 15	-	38.3858	0.0281	Work04	1.51E+01
9.2 S 2	-	38.9178	0.0258	200211	9.20E+00
15.2 S 4	-	41.2503	0.0279	200209	1.52E+01
15 S 3	-	41.5232	0.054	950609	1.50E+01
55 S 5	-	41.5232	0.054	950609	5.50E+01
1.98 M 26	-	43.5539	0.0279	950619	1.19E+02
2.40 M 4	-	43.6731	0.0279	199908	1.44E+02
5.89 M 5	-	45.2883	0.0279	200410	3.53E+02
5.3 M 3	-	45.0629	0.0279	199807	3.18E+02
14 M 1	-	46.2692	0.0279	200305	8.40E+02
13.2 M 2	-	45.6535	0.0279	940816	7.92E+02
19.5 M 1	-	46.5862	0.0244	199501	1.17E+03
2.44 M 6	-	45.8397	0.0214	200403	1.46E+02
19.9 H 7	-	46.5114	0.0126	Work04	7.16E+04
64.0 H 5	-	45.4475	0.102	950526	2.30E+05
12.7 H 2	-	45.4475	0.102	950526	4.57E+04
70.0 D 14	-	45.811	0.008	199908	6.05E+06
1.04 MS 4	-	43.9034	0.008	199908	1.04E-03
38.0 D 5	-	44.2266	0.0043	900212	3.28E+06
169 D 8	-	44.0386	0.0043	900212	1.46E+07
169 D 8	-	44.0386	0.0043	900212	1.46E+07
STABLE	37.40% 2	43.8222	0.0012	Work04	0.00E+00
3.7186 D 5	-	41.9302	0.0012	04SC04	3.21E+05
3.7186 D 5	-	41.9302	0.0012	04SC04	3.21E+05
2.0E+5 Y	-	41.7812	0.0012	200306	6.31E+12
4.12E+10 Y 11	62.60% 2	41.2157	0.0014	01ga01	1.30E+18
4.12E+10 Y 11	-	41.2157	0.0014	911206	1.30E+18
17.003 H 3	-	39.0161	0.0014	04SC04	6.12E+04
18.59 M 4	-	38.844	0.0014	200204	1.12E+03
24.3 H 4	-	37.9779	0.0083	200309	8.75E+04
3.1 M 3	-	35.5663	0.1492	200306	1.86E+02
3.2 H 2	-	35.3563	0.1492	200306	1.15E+04
3.2 H 2	-	35.3563	0.1492	200306	1.15E+04
9.8 M 5	-	34.3486	0.0103	950531	5.88E+02
16 S 1	-	31.708	0.1960 S	199809	1.60E+01
30 S SY	-	30.302	0.1960 S	NUBASE	3.00E+01
300 NS GT	-	27.554	0.2980 S	Work04	3.00E-07
1.9 MS 2	-	14.503	0.5030 S	00ma95	1.90E-03
5.5 MS 6	-	16.124	0.4040 S	199910	5.50E-03

5.5 MS 6	-	16.124	0.4040 S	199910	5.50E-03
21 MS 1	-	20.4597	0.2086	200107	2.10E-02
21 MS 1	-	20.4597	0.2086	200107	2.10E-02
71 MS 3	-	21.646	0.2020 S	199908	7.10E-02
71 MS 3	-	21.646	0.2020 S	199908	7.10E-02
181 MS 38	-	25.4384	0.0182	199211	1.81E-01
181 MS 38	-	25.4384	0.0182	199211	1.81E-01
0.81 S 6	-	26.5029	0.0727	200008	8.10E-01
0.81 S 6	-	26.5029	0.0727	200008	8.10E-01
2.1 S 1	-	29.9907	0.0121	96PI01	2.10E+00
2.1 S 1	-	29.9907	0.0121	96PI01	2.10E+00
3.40 S 9	-	30.7214	0.0252	Work04	3.40E+00
3.40 S 9	-	30.7214	0.0252	Work04	3.40E+00
7.46 S 23	-	33.9278	0.0109	200211	7.46E+00
7.46 S 23	-	33.9278	0.0109	200211	7.46E+00
8.3 S 2	-	34.2931	0.0187	200209	8.30E+00
8.3 S 2	-	34.2931	0.0187	200209	8.30E+00
19.2 S 5	-	37.2381	0.0146	95HI02	1.92E+01
19.2 S 5	-	37.2381	0.0146	950609	1.92E+01
22.4 S 9	-	37.4382	0.015	95HI02	2.24E+01
22.4 S 9	-	37.4382	0.015	95HI02	2.24E+01
44 S 4	-	39.9963	0.0111	199908	4.40E+01
44 S 4	-	39.9963	0.0111	199908	4.40E+01
1.4 M 1	-	40.1047	0.0135	200410	8.40E+01
3.6 M 5	-	42.0979	0.0279	199807	2.16E+02
3.0 M 2	-	41.9495	0.0157	200305	1.80E+02
5.0 M 4	-	43.5462	0.0164	199408	3.00E+02
6.5 M 3	-	43.0201	0.0181	199412	3.90E+02
21.5 M 4	-	44.3589	0.0203	200403	1.29E+03
105 M 3	-	43.5529	0.0317	Work04	6.30E+03
2.7 M 1	-	43.5037	0.0317	Work04	1.62E+02
2.7 M 1	-	43.5037	0.0317	Work04	1.62E+02
22.10 H 25	-	44.6091	0.0217	950526	7.96E+04
13.0 H 5	-	43.6628	0.0498	910710	4.68E+04
9.9 H 3	-	43.4921	0.0498	910710	3.56E+04
9.9 H 3	-	43.4921	0.0498	910710	3.56E+04
5.6E+13 Y GT	0.02% 1	44.2561	0.0013	199002	1.77E+21
93.6 D 5	-	42.8094	0.0013	Work04	8.09E+06
2.0E+15 Y 11	1.59% 3	42.9995	0.0014	200306	6.31E+22
STABLE	1.6% 3	41.2182	0.0014	920117	0.00E+00
STABLE	13.29% 8	41.1364	0.0014	200204	0.00E+00
STABLE	16.21% 5	38.9854	0.0015	200309	0.00E+00
5.81 H 6	-	38.9546	0.0015	200309	2.09E+04
STABLE	26.36% 2	38.7063	0.0015	200306	0.00E+00
9.9 M 1	-	37.0009	0.0015	200306	5.94E+02
15.4 D 1	-	36.3937	0.0015	950531	1.33E+06
13.10 H 5	-	36.3197	0.0015	950531	4.72E+04
STABLE	40.93% 19	35.8805	0.0026	199809	0.00E+00
5.9 S 1	-	33.8651	0.0026	199809	5.90E+00
5.9 S 1	-	33.8651	0.0026	199809	5.90E+00
30.11 H 1	-	33.3926	0.0026	Work04	1.08E+05
6.0 Y 2	-	32.4327	0.0026	Work04	1.89E+08

9 M AP	-	29.6898	0.5	199905	5.40E+02
34.9 M 2	-	28.2808	0.0401	980218	2.09E+03
2.8 m 6		0	0	03xu08	0.00E+00
0.11 MS +6-3		-7.265	0.4130 S	200202	1.10E-04
58 US +46-18		-7.265	0.4130 S	02MA61	5.80E-05
1 US LT	-	11.625	0.2150 S	200202	1.00E-06
1 US LT	-	11.625	0.2150 S	200202	1.00E-06
0.30 MS 6	-	11.395	0.2150 S	200202	3.00E-04
0.30 MS 6	-	11.395	0.2150 S	200202	3.00E-04
10.5 MS 22	-	13.205	0.2020 S	200202	1.05E-02
10.5 MS 22	-	13.205	0.2020 S	200202	1.05E-02
15.1 MS 9	-	13.033	0.2020 S	200202	1.51E-02
15.1 MS 9	-	13.033	0.2020 S	200202	1.51E-02
35.2 MS 20	-	17.0788	0.0189	200202	3.52E-02
35.2 MS 20	-	17.0788	0.0189	200202	3.52E-02
35.2 MS 20	-	17.0788	0.0189	200202	3.52E-02
25.7 MS 8	-	16.9035	0.0189	04KE06	2.57E-02
25.7 MS 8	-	16.9035	0.0189	04KE06	2.57E-02
25.7 MS 8	-	16.9035	0.0189	04KE06	2.57E-02
0.161 MS 21	-	18.741	0.1510 S	96PA01	1.61E-04
0.64 S +46-24	-	22.0811	0.0265	Work04	6.40E-01
0.64 S +46-24	-	22.0811	0.0265	Work04	6.40E-01
0.64 S +46-24	-	22.0811	0.0265	Work04	6.40E-01
0.308 S 22	-	21.9281	0.0265	Work04	3.08E-01
0.87 S +18-12	-	23.32	0.1020 S	200211	8.70E-01
0.87 S +18-12	-	23.32	0.1020 S	200211	8.70E-01
0.44 S 6	-	23.32	0.1020 S	200211	4.40E-01
0.44 S 6	-	23.32	0.1020 S	200211	4.40E-01
0.44 S 6	-	23.32	0.1020 S	200211	4.40E-01
3.2 S +13-7	-	26.4302	0.0395	200209	3.20E+00
3.2 S +13-7	-	26.4302	0.0395	200209	3.20E+00
3.2 S +13-7	-	26.4302	0.0395	200209	3.20E+00
1.40 S 10	-	26.4302	0.0395	200209	1.40E+00
1.40 S 10	-	26.4302	0.0395	200209	1.40E+00
1.40 S 10	-	26.4302	0.0395	200209	1.40E+00
4.4 S 3	-	27.52	0.1050 S	950609	4.40E+00
4.4 S 3	-	27.52	0.1050 S	950609	4.40E+00
2.0 S 1	-	27.381	0.1050 S	950609	2.00E+00
2.0 S 1	-	27.381	0.1050 S	950609	2.00E+00
2.4 S 9	-	30.2719	0.0137	96PA01	2.40E+00
2.4 S 9	-	30.2719	0.0137	99PA01	2.40E+00
9.0 S 8	-	30.2719	0.0137	950908	9.00E+00
9.0 S 8	-	30.2719	0.0137	950908	9.00E+00
7.9 S 6	-	30.8687	0.0277	199908	7.90E+00
7.9 S 6	-	30.8687	0.0277	199908	7.90E+00
4.9 S 3	-	30.6757	0.0277	199908	4.90E+00
4.9 S 3	-	30.6757	0.0277	199908	4.90E+00
9 S 2	-	33.4286	0.0198	200410	9.00E+00
9 S 2	-	33.4286	0.0198	200410	9.00E+00
8.3 S 6	-	33.861	0.0203	199807	8.30E+00
8.3 S 6	-	33.861	0.0203	199807	8.30E+00
30 S 2	-	36.0474	0.0198	200305	3.00E+01

30 S 2	-	36.0474	0.0198	200305	3.00E+01
12 S 2	-	36.2519	0.0198	951114	1.20E+01
79 S 1	-	38.0774	0.0109	199812	7.90E+01
1.5 M 1	-	37.9775	0.0217	200403	9.00E+01
4.90 M 15	-	39.4718	0.0256	Work04	2.94E+02
15 M 1	-	39.0517	0.021	950526	9.00E+02
57 M 4	-	40.1973	0.0251	920514	3.42E+03
3.09 H 3	-	39.6109	0.0279	900212	1.11E+04
14.4 H 1	-	40.3356	0.0279	Work04	5.18E+04
16.64 H 3	-	39.173	0.0165	200306	5.99E+04
1.90 H 5	-	39.173	0.0165	200306	6.84E+03
1.90 H 5	-	39.173	0.0165	200306	6.84E+03
10.5 H 3	-	39.7158	0.0062	910220	3.78E+04
30.3 MS 6	-	39.5297	0.0062	910220	3.03E-02
41.5 H 5	-	38.3281	0.007	200204	1.49E+05
4.2 MS 2	-	37.4046	0.007	200204	4.20E-03
4.2 MS 2	-	37.4046	0.007	200204	4.20E-03
13.2 D 1	-	38.4531	0.0127	200309	1.14E+06
13.3 MS 3	-	38.0809	0.0127	200309	1.33E-02
3.7 MS 2	-	36.1199	0.0127	200309	3.70E-03
11.78 D 10	-	36.7512	0.0017	200306	1.02E+06
11.78 D 10	-	36.7512	0.0017	200306	1.02E+06
1.120 H 3	-	36.7251	0.0017	200306	4.03E+03
3.087 H 12	-	36.3748	0.0017	200306	1.11E+04
3.087 H 12	-	36.3748	0.0017	200306	1.11E+04
STABLE	37.3% 2	36.7064	0.0017	950531	0.00E+00
4.94 S 3	-	36.5354	0.0017	950531	4.94E+00
5.5 S 7	-	34.6594	0.0017	950531	5.50E+00
73.827 D 13	-	34.8332	0.0017	199809	6.38E+06
73.827 D 13	-	34.8332	0.0017	199809	6.38E+06
1.45 M 5	-	34.7765	0.0017	199809	8.70E+01
1.45 M 5	-	34.7765	0.0017	199809	8.70E+01
241 Y 9	-	34.6651	0.0017	199809	7.61E+09
STABLE	62.7% 2	34.5338	0.0017	Work04	0.00E+00
10.53 D 4	-	34.4536	0.0017	Work04	9.10E+05
19.28 H 13	-	32.5293	0.0017	Work04	6.94E+04
31.85 MS 24	-	32.3822	0.0017	Work04	3.19E-02
171 D 11	-	32.3393	0.0017	Work04	1.48E+07
2.5 H 2	-	31.6898	0.0017	199905	9.00E+03
3.8 H 2	-	31.5898	0.0017	199905	1.37E+04
3.8 H 2	-	31.5898	0.0017	199905	1.37E+04
52 S 1	-	29.4384	0.0384	980218	5.20E+01
1.40 H 2	-	29.0284	0.0384	980218	5.04E+03
1.40 H 2	-	29.0284	0.0384	980218	5.04E+03
5.8 M 5	-	28.2678	0.0202	Work04	3.48E+02
8.9 M 3	-	28.1528	0.0202	Work04	5.34E+02
8.9 M 3	-	28.1528	0.0202	Work04	5.34E+02
8 S 1	-	25.821	0.1960	S 200203	8.00E+00
20 S SY	-	24.4009	0.0411	200107	2.00E+01
300 US 100	-	-4.792	0.5030	S 199712	3.00E-04
0.9 MS 3	-	-6.54	0.4070	S 04KE06	9.00E-04
2.1 MS 2	-	11.0375	0.2088	04KE06	2.10E-03

7.0 MS 2	-	12.375	0.2020 S	Work04	7.00E-03
14.0 MS 2	-	16.3055	0.0187	04KE06	1.40E-02
51 MS 2	-	17.4706	0.0882	02RO17	5.10E-02
51 MS 2	-	17.4706	0.0882	02ro17	5.10E-02
104 ms 7	-	21.101	0.0128	02ro17	0.00E+00
104 ms 7	-	21.101	0.0128	02ro17	0.00E+00
370 MS 13	-	21.9416	0.056	02ro17	3.70E-01
370 MS 13	-	21.9416	0.056	02ro17	3.70E-01
0.889 S 17	-	25.3192	0.0118	199908	8.89E-01
0.889 S 17	-	25.3192	0.0118	199908	8.89E-01
2.53 S 6	-	25.6901	0.0189	200410	2.53E+00
2.53 S 6	-	25.6901	0.0189	200410	2.53E+00
6.33 S 15	-	28.9279	0.0144	199807	6.33E+00
6.33 S 15	-	28.9279	0.0144	199807	6.33E+00
10.6 S 4	-	29.3705	0.015	200305	1.06E+01
10.6 S 4	-	29.3705	0.015	200305	1.06E+01
21.1 S 6	-	31.998	0.0108	940816	2.11E+01
21.1 S 6	-	31.998	0.0108	940816	2.11E+01
21.2 S 4	-	32.2638	0.0091	199412	2.12E+01
21.2 S 4	-	32.2638	0.0091	199412	2.12E+01
56 S 2	-	34.436	0.011	200403	5.60E+01
56 S 2	-	34.436	0.011	200403	5.60E+01
52.0 S 22	-	34.3747	0.0149	Work04	5.20E+01
52.0 S 22	-	34.3747	0.0149	Work04	5.20E+01
3.0 M 2	-	36.1693	0.0156	950526	1.80E+02
3.0 M 2	-	36.1693	0.0156	950526	1.80E+02
6.5 M 10	-	35.7724	0.0156	930104	3.90E+02
6.5 M 10	-	35.7724	0.0156	930104	3.90E+02
43 S 5	-	35.7379	0.0156	930104	4.30E+01
43 S 5	-	35.7379	0.0156	930104	4.30E+01
43 S 5	-	35.7379	0.0156	930104	4.30E+01
17.3 M 2	-	37.3322	0.0181	900212	1.04E+03
17.3 M 2	-	37.3322	0.0181	900212	1.04E+03
1.01 MS 5	-	35.4932	0.0181	900212	1.01E-03
70.9 M 24	-	36.6832	0.041	Work04	4.25E+03
33.0 M 8	-	36.5798	0.041	Work04	1.98E+03
33.0 M 8	-	36.5798	0.041	Work04	1.98E+03
2.08 H 5	-	37.8645	0.0217	200306	7.49E+03
2.08 H 5	-	37.8645	0.0217	200306	7.49E+03
2.35 H 3	-	36.713	0.0279	911206	8.46E+03
10.2 D 3	-	37.8229	0.0054	200204	8.81E+05
10.2 D 3	-	37.8229	0.0054	200204	8.81E+05
10.87 H 12	-	36.4832	0.0112	200309	3.91E+04
6.5E+11 Y 3	0.014% 1	37.3234	0.0057	200306	2.05E+19
2.862 D 7	-	35.698	0.0044	00zi04	2.47E+05
STABLE	0.782% 7	36.2929	0.0025	199809	0.00E+00
50 Y 6	-	34.477	0.0017	Work04	1.58E+09
4.33 D 3	-	34.3272	0.0017	Work04	3.74E+05
STABLE	32.967% 9	34.7631	0.0009	Work04	0.00E+00
STABLE	33.832% 1	32.7968	0.0009	199905	0.00E+00
4.010 D 5	-	32.5375	0.0009	00zi04	3.46E+05
STABLE	25.242% 4	32.6474	0.0009	980218	0.00E+00

19.8915 H 19	-	30.4224	0.0008	Work04	7.16E+04
95.41 M 18	-	30.0228	0.0008	Work04	5.72E+03
95.41 M 18	-	30.0228	0.0008	Work04	5.72E+03
STABLE	7.163% 55	29.9077	0.0031	200203	0.00E+00
30.80 M 21	-	27.3924	0.0032	940816	1.85E+03
13.6 S 4	-	26.9684	0.0032	940816	1.36E+01
12.5 H 3	-	26.6028	0.0202	951006	4.50E+04
2.5 M 1	-	23.7411	0.0501	940708	1.50E+02
44 H 15	-	22.598	0.2980	S 970424	1.58E+05
150 US SY		-1.788	0.2980	S NUBASE	1.50E-04
150 US SY		-1.788	0.2980	S NUBASE	1.50E-04
286 US +50-40		-3.612	0.2030	S 04KE06	2.86E-04
286 US +50-40		-3.612	0.2030	S 04KE06	2.86E-04
617 US +50-40		-3.612	0.2030	S 04KE06	6.17E-04
617 US +50-40		-3.612	0.2030	S 04KE06	6.17E-04
22 US +3-2		-7.5648	0.0256	04KE06	2.20E-05
1.09 MS 3		-7.3148	0.0256	04KE06	1.09E-03
1.09 MS 3		-7.3148	0.0256	04KE06	1.09E-03
6.3 MS 15		-9.282	0.1590	S 96PA01	6.30E-03
6.3 MS 15		-9.282	0.1590	S 96PA01	6.30E-03
25 MS 1	-	12.8198	0.026	200301	2.50E-02
25 MS 1	-	12.8198	0.026	200301	2.50E-02
25 MS 1	-	12.8198	0.026	200301	2.50E-02
14.0 MS 9	-	12.6058	0.026	200301	1.40E-02
14.0 MS 9	-	12.6058	0.026	200301	1.40E-02
14.0 MS 9	-	12.6058	0.026	200301	1.40E-02
139 MS 3	-	14.195	0.1020	S 02RO17	1.39E-01
0.1 S SY	-	17.4431	0.0424	200410	1.00E-01
0.1 S SY	-	17.4431	0.0424	200410	1.00E-01
156 MS 5	-	17.4431	0.0424	200410	1.56E-01
156 MS 5	-	17.4431	0.0424	200410	1.56E-01
0.84 S +17-14	-	18.537	0.1050	S 02RO17	8.40E-01
0.84 S +17-14	-	18.537	0.1050	S 02RO17	8.40E-01
1462 MS 32	-	21.5502	0.0129	200305	1.46E+00
1462 MS 32	-	21.5502	0.0129	200305	1.46E+00
1180 MS 12	-	21.3923	0.0129	200305	1.18E+00
1180 MS 12	-	21.3923	0.0129	200305	1.18E+00
2.6 S 5	-	22.3261	0.0571	940816	2.60E+00
2.6 S 5	-	22.3261	0.0571	940816	2.60E+00
3.3 S 13	-	24.9521	0.0165	96PA01	3.30E+00
3.3 S 13	-	24.9521	0.0165	96PA01	3.30E+00
8.1 S 3	-	25.5964	0.021	200403	8.10E+00
8.1 S 3	-	25.5964	0.021	200403	8.10E+00
13.7 S 14	-	27.8712	0.02	Work04	1.37E+01
13.7 S 14	-	27.8712	0.02	Work04	1.37E+01
15.6 S 4	-	28.3008	0.0203	950526	1.56E+01
15.6 S 4	-	28.3008	0.0203	950526	1.56E+01
42.8 S 10	-	30.1869	0.0105	199905	4.28E+01
42.8 S 10	-	30.1869	0.0105	199905	4.28E+01
20.6 S 9	-	30.3187	0.0223	200305	2.06E+01
20.6 S 9	-	30.3187	0.0223	200305	2.06E+01
47.6 S 14	-	30.2502	0.0223	200305	4.76E+01

47.6 S 14	-	30.2502	0.0223	200305	4.76E+01
47.6 S 14	-	30.2502	0.0223	200305	4.76E+01
4.25 M 6	-	31.867	0.026	Work04	2.55E+02
4.25 M 6	-	31.867	0.026	Work04	2.55E+02
6.8 M 3	-	31.867	0.026	Work04	4.08E+02
6.8 M 3	-	31.867	0.026	Work04	4.08E+02
10.7 M 5	-	31.7149	0.021	200306	6.42E+02
10.7 M 5	-	31.7149	0.021	200306	6.42E+02
8.4 M 3	-	33.0051	0.0251	911206	5.04E+02
8.4 M 3	-	33.0051	0.0251	911206	5.04E+02
2.3 S 1	-	32.8841	0.0251	911206	2.30E+00
8.84 M 6	-	32.3008	0.0204	200204	5.30E+02
28.7 M 3	-	33.582	0.0201	200309	1.72E+03
28.7 M 3	-	33.582	0.0201	200309	1.72E+03
4.59 M 11	-	33.3348	0.0201	200309	2.75E+02
42.8 M 10	-	32.8814	0.016	200306	2.57E+03
42.8 M 10	-	32.8814	0.016	200306	2.57E+03
125 MS 20	-	32.8814	0.016	200306	1.25E-01
3.18 H 8	-	33.8093	0.037	950531	1.14E+04
0.92 S 11	-	33.5433	0.037	950531	9.20E-01
4.94 H 9	-	32.7765	0.0158	199809	1.78E+04
29 MS	-	32.6411	0.0158	199809	2.90E-02
160 MS 20	-	32.3449	0.0158	199809	1.60E-01
17.65 H 15	-	33.3943	0.0106	Work04	6.35E+04
3.9 S 3	-	33.1041	0.0106	Work04	3.90E+00
3.9 S 3	-	33.1041	0.0106	Work04	3.90E+00
38.02 H 10	-	32.2621	0.0102	Work04	1.37E+05
600 MS 8	-	32.1547	0.0102	Work04	6.00E-01
420 MS 10	-	31.7863	0.0102	Work04	4.20E-01
186.098 D 47	-	32.57	0.0013	199905	1.61E+07
30.5 S 2	-	32.2514	0.0013	199905	3.05E+01
6.1669 D 6	-	31.14	0.003	01LI17	5.33E+05
6.1669 D 6	-	31.14	0.003	01LI17	5.33E+05
8.1 S 2	-	31.0553	0.003	980218	8.10E+00
9.6 H 1	-	30.5443	0.003	980218	3.46E+04
STABLE	-100%	31.1411	0.0006	Work04	0.00E+00
7.73 S 6	-	30.7319	0.0006	Work04	7.73E+00
2.6956 D 3	-	29.5821	0.0006	04UN01	2.33E+05
2.27 D 2	-	28.7704	0.0006	200203	1.96E+05
3.139 D 7	-	29.095	0.0006	940816	2.71E+05
0.44 MS 3	-	28.546	0.0006	940816	4.40E-04
48.4 M 3	-	27.2689	0.0497	951006	2.90E+03
18.7 H 5	-	26.3069	0.0497	951006	6.73E+04
18.7 H 5	-	26.3069	0.0497	951006	6.73E+04
26 M 1	-	26.4011	0.0032	940708	1.56E+03
28.8 S 19	-	24.3997	0.1664	970424	2.88E+01
60 S 6	-	23.1434	0.0031	Work04	6.00E+01
39.8 S 9	-	20.75	0.2000	S 941104	3.98E+01
31 S 2	-	18.751	0.2980	S 200404	3.10E+01
59 US +36-16	-	3.502	0.2980	S Work04	5.90E-05
0.25 MS +35-9	-	-1.0873	0.2092	99se14	2.50E-04
0.6 MS +5-2	-	-2.569	0.2080	S 04KE06	6.00E-04

2.1 MS +18-7		-6.6474	0.0196	199908	2.10E-03
10.8 MS 4		-7.9892	0.1014	200410	1.08E-02
20 MS 2	-	11.7791	0.0142	02RO17	2.00E-02
127.3 MS 18	-	12.7809	0.0751	200305	1.27E-01
127.3 MS 18	-	12.7809	0.0751	200305	1.27E-01
0.269 S 3	-	16.3168	0.0129	02RO17	2.69E-01
0.269 S 3	-	16.3168	0.0129	02RO17	2.69E-01
1.08 S 9	-	16.9216	0.0273	02RO17	1.08E+00
1.08 S 9	-	16.9216	0.0273	02RO17	1.08E+00
1.08 S 9	-	16.9216	0.0273	02RO17	1.08E+00
2.58 S 1	-	20.2447	0.014	200403	2.58E+00
2.58 S 1	-	20.2447	0.014	200403	2.58E+00
3.6 S 1	-	20.6612	0.0154	Work04	3.60E+00
3.6 S 1	-	20.6612	0.0154	Work04	3.60E+00
3.6 S 1	-	20.6612	0.0154	Work04	3.60E+00
3.6 S 1	-	20.6612	0.0154	Work04	3.60E+00
10.83 S 6	-	23.5761	0.0097	950526	1.08E+01
10.83 S 6	-	23.5761	0.0097	950526	1.08E+01
9.4 S 7	-	23.7998	0.0082	200011	9.40E+00
9.4 S 7	-	23.7998	0.0082	200011	9.40E+00
9.4 S 7	-	23.7998	0.0082	200011	9.40E+00
30.9 S 3	-	26.3491	0.0101	900212	3.09E+01
30.9 S 3	-	26.3491	0.0101	900212	3.09E+01
49.1 S 10	-	26.1758	0.0155	Work04	4.91E+01
49.1 S 10	-	26.1758	0.0155	Work04	4.91E+01
21.6 S 15	-	26.0765	0.0155	Work04	2.16E+01
21.6 S 15	-	26.0765	0.0155	Work04	2.16E+01
21.6 S 15	-	26.0765	0.0155	Work04	2.16E+01
1.38 M 6	-	28.5393	0.0112	200306	8.28E+01
1.38 M 6	-	28.5393	0.0112	200306	8.28E+01
2.4 M 3	-	28.1179	0.0139	910220	1.44E+02
2.4 M 3	-	28.1179	0.0139	910220	1.44E+02
1.9 M 3	-	28.1179	0.0139	910220	1.14E+02
1.9 M 3	-	28.1179	0.0139	910220	1.14E+02
3.25 M 15	-	30.2018	0.0115	200204	1.95E+02
3.25 M 15	-	30.2018	0.0115	200204	1.95E+02
7.6 M 1	-	29.6308	0.0334	200309	4.56E+02
7.6 M 1	-	29.6308	0.0334	200309	4.56E+02
8.6 M 1	-	29.6308	0.0334	200309	5.16E+02
8.6 M 1	-	29.6308	0.0334	200309	5.16E+02
20.0 M 5	-	31.3704	0.0159	200306	1.20E+03
20.0 M 5	-	31.3704	0.0159	200306	1.20E+03
49 M 10	-	30.593	0.0226	200011	2.94E+03
50.8 M 15	-	30.593	0.0226	200011	3.05E+03
4.85 H 20	-	32.0114	0.0156	200011	1.75E+04
3.80 H 15	-	31.051	0.0154	Work04	1.37E+04
11.8 H 2	-	30.9102	0.0154	Work04	4.25E+04
11.8 H 2	-	30.9102	0.0154	Work04	4.25E+04
444 Y 77	-	32.193	0.0125	Work04	1.40E+10
10.53 H 3	-	31	0.0231	01LI17	3.79E+04
41.6 H 8	-	30.8239	0.0231	199905	1.50E+05
41.6 H 8	-	30.8239	0.0231	199905	1.50E+05

STABLE	0.15% 1	31.8267	0.0029	980218	0.00E+00
64.14 H 5	-	30.541	0.0032	Work04	2.31E+05
23.8 H 1	-	30.2421	0.0032	Work04	8.57E+04
23.8 H 1	-	30.2421	0.0032	Work04	8.57E+04
STABLE	9.97% 20	30.9544	0.0003	200203	0.00E+00
STABLE	16.87% 22	29.5471	0.0004	940816	0.00E+00
42.67 M 9	-	29.0151	0.0004	01LI17	2.56E+03
STABLE	23.10% 19	29.5041	0.0004	951006	0.00E+00
STABLE	13.18% 9	27.6633	0.0006	940708	0.00E+00
STABLE	29.86% 26	27.3459	0.0006	970424	0.00E+00
46.595 D 6	-	25.2691	0.0017	Work04	4.03E+06
STABLE	6.87% 15	24.6902	0.0003	941104	0.00E+00
5.14 M 9	-	22.2875	0.0036	200404	3.08E+02
1.09 MS 4	-	20.7311	0.0036	200404	1.09E-03
8.15 M 10	-	20.9455	0.0204	199910	4.89E+02
2.9 M 2	-	16.2187	0.1501	940210	1.74E+02
41 M +5-4	-	13.097	0.2980	S 97ZH18	2.46E+03
37 S 8	-	-8.346	0.1960	S 98ZH22	3.70E+01
300 NS GT	-	-5.114	0.2980	S NUBASE	3.00E-07
5.2 MS +30-14	-	1.357	0.1960	S 04KE06	5.20E-03
18 MS 5	-	-3.328	0.025	200305	1.80E-02
18 MS 5	-	-3.328	0.025	200305	1.80E-02
230 US +70-40	-	-2.521	0.025	04KE06	2.30E-04
230 US +70-40	-	-2.521	0.025	200305	2.30E-04
60 MS AP	-	-4.754	0.1140	S NUBASE	6.00E-02
60 MS AP	-	-4.754	0.1140	S NUBASE	6.00E-02
0.42 S 6	-	-8.3005	0.0432	02RO17	4.20E-01
0.42 S 6	-	-8.3005	0.0432	02RO17	4.20E-01
1.7 MS 2	-	-8.3005	0.0432	02RO07	1.70E-03
1.7 MS 2	-	-8.3005	0.0432	02RO07	1.70E-03
1.7 MS 2	-	-8.3005	0.0432	02RO07	1.70E-03
1.5 S 2	-	-9.403	0.1160	S 200403	1.50E+00
1.5 S 2	-	-9.403	0.1160	S 200403	1.50E+00
1.5 S 2	-	-9.403	0.1160	S 200403	1.50E+00
1.4 MS 5	-	12.8011	0.0094	Work04	1.40E-03
1.4 MS 5	-	12.8011	0.0094	Work04	1.40E-03
3.2 S 3	-	11.9511	0.0094	Work04	3.20E+00
3.1 S 10	-	13.351	0.0759	950526	3.10E+00
3.1 S 10	-	13.351	0.0759	950526	3.10E+00
6.9 S 7	-	16.5873	0.0097	200202	6.90E+00
6.9 S 7	-	16.5873	0.0097	200202	6.90E+00
53.3 MS 3	-	15.9573	0.0097	04RA28	5.33E-02
53.3 MS 3	-	15.9573	0.0097	04RA28	5.33E-02
53.3 MS 3	-	15.9573	0.0097	04RA28	5.33E-02
11 S 1	-	16.8851	0.0493	900212	1.10E+01
11 S 1	-	16.8851	0.0493	900212	1.10E+01
19.5 S 5	-	19.7558	0.0539	Work04	1.95E+01
1.93 S 8	-	19.301	0.0539	Work04	1.93E+00
1.93 S 8	-	19.301	0.0539	Work04	1.93E+00
27.5 S 10	-	20.1901	0.1844	200306	2.75E+01
27.5 S 10	-	20.1901	0.1844	200306	2.75E+01
2.9 S 2	-	19.8161	0.1844	200306	2.90E+00

51 S AP	-	22.4435	0.0081	199904	5.10E+01
51 S AP	-	22.4435	0.0081	199904	5.10E+01
15.60 S 12	-	22.1085	0.0081	199904	1.56E+01
15.60 S 12	-	22.1085	0.0081	199904	1.56E+01
15.60 S 12	-	22.1085	0.0081	199904	1.56E+01
71 S 2	-	22.3467	0.0326	200204	7.10E+01
71 S 1	-	22.3467	0.0326	200204	7.10E+01
41 MS 4	-	22.0779	0.0326	200204	4.10E-02
41 MS 4	-	22.0779	0.0326	200204	4.10E-02
2.3 M 2	-	24.6022	0.0109	200309	1.38E+02
1.4 M 1	-	24.3446	0.0109	200309	8.40E+01
1.4 M 1	-	24.3446	0.0109	200309	8.40E+01
2.6 M 3	-	24.3333	0.0494	200306	1.56E+02
3.7 M 3	-	24.3333	0.0494	200306	2.22E+02
0.75 MS 4	-	24.1714	0.0494	200306	7.50E-04
?	-	26.281	0.0076	950531	0.00E+00
5.22 M 16	-	25.982	0.0076	950531	3.13E+02
9.6 M 4	-	25.8722	0.0317	199902	5.76E+02
10.8 M 2	-	25.7162	0.0317	199902	6.48E+02
21.6 M 8	-	27.3189	0.1108	Work04	1.30E+03
2.11 M 15	-	26.9537	0.1108	Work04	1.27E+02
2.11 M 15	-	26.9537	0.1108	Work04	1.27E+02
33.0 M 5	-	26.827	0.1351	Work04	1.98E+03
33.0 M 5	-	26.827	0.1351	Work04	1.98E+03
32.8 M 2	-	26.827	0.1351	Work04	1.97E+03
1.16 H 5	-	28.155	0.0138	199905	4.18E+03
3.6 S 4	-	27.6724	0.0138	199905	3.60E+00
1.84 H 3	-	27.4966	0.0121	980218	6.62E+03
1.41 H 2	-	27.1024	0.0121	980218	5.08E+03
1.41 H 2	-	27.1024	0.0121	980218	5.08E+03
2.84 H 4	-	28.3412	0.0163	Work04	1.02E+04
0.54 S 1	-	27.733	0.0163	Work04	5.40E-01
5.3 H 5	-	27.4944	0.08	200203	1.91E+04
1.87 H 3	-	26.9509	0.08	200203	6.73E+03
1.87 H 3	-	26.9509	0.08	200203	6.73E+03
32.1 MS 10	-	26.7521	0.08	200203	3.21E-02
7.42 H 8	-	28.0594	0.0279	940816	2.67E+04
28.4 MS 2	-	27.3094	0.0279	940816	2.84E-02
26.1 H 1	-	27.0481	0.0057	951006	9.40E+04
34.3 MS 10	-	26.2945	0.0057	951006	3.43E-02
72.912 H 17	-	27.182	0.0151	940708	2.62E+05
2.035 MS 7	-	26.2625	0.0151	940708	2.04E-03
12.23 D 2	-	25.9833	0.0148	970424	1.06E+06
STABLE	29.524% 1.	25.7612	0.0013	Work04	0.00E+00
3.78 Y 2	-	24.346	0.0013	941104	1.19E+08
3.78 Y 2	-	24.346	0.0013	941104	1.19E+08
STABLE	70.476% 1.	23.8206	0.0013	200405	0.00E+00
4.200 M 17	-	22.2531	0.0014	199910	2.52E+02
3.74 M 3	-	19.61	0.0014	199910	2.24E+02
4.77 M 2	-	21.0337	0.0055	940210	2.86E+02
1.33 S 11	-	19.6857	0.0055	940210	1.33E+00
3.053 M 4	-	16.7495	0.002	980109	1.83E+02

2.161 M 7	-	13.638	0.0079	98AR03	1.30E+02
1.30 M 3		-9.2463	0.0116	200307	7.80E+01
1.30 M 3		-9.2463	0.0116	200307	7.80E+01
300 NS GT		-6.076	0.2010	S NUBASE	3.00E-07
300 NS GT		-1.651	0.3000	S NUBASE	3.00E-07
0.23 MS 15		3.5678	0.0243	NUBASE	2.30E-04
0.23 MS 15		3.5678	0.0243	NUBASE	2.30E-04
3 MS SY		2.003	0.1960	S NUBASE	3.00E-03
4.5 MS 11		-1.9392	0.0209	200403	4.50E-03
45 MS 20		-3.1448	0.0902	Work04	4.50E-02
55 MS +40-35		-6.8261	0.014	950526	5.50E-02
535 MS 30		-7.5687	0.0282	200301	5.35E-01
415 MS 20		-7.4717	0.0282	200301	4.15E-01
490 MS 25	-	11.0453	0.0143	200308	4.90E-01
490 MS 25	-	11.0453	0.0143	200308	4.90E-01
4.24 S 17	-	11.5413	0.0162	Work04	4.24E+00
4.24 S 17	-	11.5413	0.0162	Work04	4.24E+00
6.3 S 4	-	11.5413	0.0162	Work04	6.30E+00
6.3 S 4	-	11.5413	0.0162	Work04	6.30E+00
4.82 S 3	-	14.6813	0.0113	200306	4.82E+00
4.82 S 3	-	14.6813	0.0113	200306	4.82E+00
15.2 S 3	-	14.9799	0.0083	200007	1.52E+01
15.2 S 3	-	14.9799	0.0083	200007	1.52E+01
18.3 S 3	-	14.8989	0.0083	200007	1.83E+01
18.3 S 3	-	14.8989	0.0083	200007	1.83E+01
25.1 S 1	-	17.8154	0.0106	200204	2.51E+01
25.1 S 1	-	17.8154	0.0106	200204	2.51E+01
51 S 3	-	17.8782	0.0345	200309	5.10E+01
51 S 3	-	17.8782	0.0345	200309	5.10E+01
71 S 1	-	20.4169	0.0121	200306	7.10E+01
71 S 1	-	20.4169	0.0121	200306	7.10E+01
1.33 M 8	-	20.246	0.0391	950531	7.98E+01
1.33 M 8	-	20.246	0.0391	950531	7.98E+01
2.18 M 8	-	20.108	0.0391	950531	1.31E+02
2.18 M 8	-	20.108	0.0391	950531	1.31E+02
3.5 M 1	-	22.556	0.0126	199809	2.10E+02
3.5 M 1	-	22.556	0.0126	199809	2.10E+02
5 M SY	-	22.1945	0.0496	Work04	3.00E+02
5.8 M 2	-	22.1945	0.0496	Work04	3.48E+02
10.7 M 6	-	24.2076	0.0175	Work04	6.42E+02
10.7 M 6	-	24.2076	0.0175	Work04	6.42E+02
15 M AP	-	23.7139	0.0234	199905	9.00E+02
15.0 M 12	-	23.511	0.0234	199905	9.00E+02
37 M 3	-	25.3608	0.0143	200108	2.22E+03
37 M 3	-	25.3608	0.0143	200108	2.22E+03
8.1 M 17	-	24.7487	0.0056	Work04	4.86E+02
42.9 M 9	-	24.4294	0.0056	Work04	2.57E+03
42.9 M 9	-	24.4294	0.0056	Work04	2.57E+03
2.4 H 1	-	26.0502	0.0146	200203	8.64E+03
90 M 10	-	25.228	0.0264	200112	5.40E+03
12.2 M 3	-	24.8032	0.0264	200112	7.32E+02
12.2 M 3	-	24.8032	0.0264	200112	7.32E+02

21.5 H 4	-	26.2433	0.0109	951006	7.74E+04
9.33 H 3	-	25.2579	0.0224	199407	3.36E+04
61 S 2	-	24.6288	0.0224	199407	6.10E+01
61 S 2	-	24.6288	0.0224	199407	6.10E+01
52.5E+3 Y 28	-	25.9336	0.0082	970424	1.66E+12
52.5E+3 Y 28	-	25.9336	0.0082	970424	1.66E+12
3.53 H 1	-	23.7638	0.0082	970424	1.27E+04
3.53 H 1	-	23.7638	0.0082	970424	1.27E+04
51.92 H 3	-	24.7866	0.0065	Work04	1.87E+05
6.21 S 8	-	23.9614	0.0065	Work04	6.21E+00
480 MS 7	-	21.8374	0.0065	Work04	4.80E-01
1.4E+17 Y GE	1.4% 1	25.1097	0.0012	941104	4.42E+24
1.14 H 4	-	22.9237	0.0012	01LI17	4.10E+03
1.73E+7 Y 7	-	23.7701	0.0012	200404	5.46E+14
5.55 MS 2	-	22.7563	0.0012	200404	5.55E-03
STABLE	24.1% 1	23.7854	0.0012	199910	0.00E+00
STABLE	22.1% 1	22.4519	0.0012	199402	0.00E+00
0.806 S 6	-	20.8185	0.0012	199402	8.06E-01
STABLE	52.4% 1	21.7485	0.0012	960604	0.00E+00
3.253 H 14	-	17.6144	0.0018	911113	1.17E+04
22.20 Y 22	-	14.7283	0.0015	200307	7.01E+08
22.20 Y 22	-	14.7283	0.0015	200307	7.01E+08
36.1 M 2	-	10.4915	0.0027	200410	2.17E+03
10.64 H 1		-7.5474	0.0022	Work04	3.83E+04
10.2 M 3		-3.1843	0.0078	920513	6.12E+02
26.8 M 9		-0.1813	0.0024	951106	1.61E+03
36 S 1		4.477	0.4110	S NUBASE	3.60E+01
6.6 MS 15		1.047	0.1260	S Work04	6.60E-03
13 MS 2		1.047	0.1260	S Work04	1.30E-02
63 US 3		-2.213	0.0530	S 04AN07	6.30E-05
63 US 3		-2.213	0.0530	S 04AN07	6.30E-05
15.0 MS 17		-3.1693	0.0769	200306	1.50E-02
9.8 MS 13		-3.1693	0.0769	200306	9.80E-03
32 MS 3		-6.3734	0.0154	200112	3.20E-02
0.29 MS +9-5		-6.2624	0.0154	200112	2.90E-04
60 MS 3		-7.205	0.0498	03AN26	6.00E-02
60 MS 3		-7.205	0.0498	03AN26	6.00E-02
265 MS 15		-7.205	0.0498	200204	2.65E-01
265 MS 15		-7.205	0.0498	200204	2.65E-01
674 MS 11	-	10.0611	0.054	200309	6.74E-01
674 MS 11	-	10.0611	0.054	200309	6.74E-01
5.0 MS 1		-9.8761	0.054	200309	5.00E-03
5.0 MS 1		-9.8761	0.054	200309	5.00E-03
6.2 S 1	-	10.903	0.1845	200306	6.20E+00
6.2 S 1	-	10.903	0.1845	200306	6.20E+00
6.3 S 1	-	10.903	0.1845	200306	6.30E+00
6.3 S 1	-	10.903	0.1845	200306	6.30E+00
12.4 S 4	-	13.2401	0.0074	03KE04	1.24E+01
12.4 S 4	-	13.2401	0.0074	200007	1.24E+01
121 MS 8	-	13.0001	0.0074	03KE04	1.21E-01
121 MS 8	-	13.0001	0.0074	200007	1.21E-01
34.6 S 9	-	13.5458	0.033	199809	3.46E+01

34.6 S 9	-	13.5458	0.033	199809	3.46E+01
39.6 S 4	-	13.5458	0.033	199809	3.96E+01
39.6 S 4	-	13.5458	0.033	199809	3.96E+01
63 S 3	-	15.8729	0.0096	Work04	6.30E+01
63 S 3	-	15.8729	0.0096	Work04	6.30E+01
3.2 S 6	-	15.5659	0.0096	Work04	3.20E+00
3.2 S 6	-	15.5659	0.0096	Work04	3.20E+00
95 S 3	-	15.9901	0.0492	Work04	9.50E+01
95 S 3	-	15.9901	0.0492	Work04	9.50E+01
115 S 4	-	15.9901	0.0492	Work04	1.15E+02
115 S 4	-	15.9901	0.0492	Work04	1.15E+02
125 S 2	-	15.9901	0.0492	Work04	1.25E+02
183 S 4	-	18.0237	0.0056	199905	1.83E+02
183 S 4	-	18.0237	0.0056	199905	1.83E+02
87 S 1	-	17.6227	0.0056	199905	8.70E+01
87 S 1	-	17.6227	0.0056	199905	8.70E+01
308 S 12	-	18.009	0.0244	980218	3.08E+02
308 S 12	-	18.009	0.0244	980218	3.08E+02
0.6 S 5	-	17.842	0.0244	980218	6.00E-01
0.6 S 5	-	17.842	0.0244	980218	6.00E-01
240 S 3	-	17.74	0.0244	980218	2.40E+02
240 S 3	-	17.74	0.0244	980218	2.40E+02
240 S 3	-	17.74	0.0244	980218	2.40E+02
9.33 M 50	-	19.6876	0.0084	Work04	5.60E+02
9.33 M 50	-	19.6876	0.0084	Work04	5.60E+02
5.04 M 16	-	19.1876	0.0084	Work04	3.02E+02
5.04 M 16	-	19.1876	0.0084	Work04	3.02E+02
5.04 M 16	-	19.1876	0.0084	Work04	3.02E+02
10.3 M 3	-	19.3695	0.0279	200203	6.18E+02
11.6 M 3	-	19.3695	0.0279	200203	6.96E+02
7.7 S 5	-	19.121	0.0279	200203	7.70E+00
27 M 1	-	20.7984	0.0118	940816	1.62E+03
24.70 M 15	-	20.1184	0.0118	940816	1.48E+03
24.70 M 15	-	20.1184	0.0118	940816	1.48E+03
24.70 M 15	-	20.1184	0.0118	940816	1.48E+03
36.4 M 5	-	20.3701	0.024	951006	2.18E+03
31 M 2	-	20.3701	0.024	951006	1.86E+03
31 M 2	-	20.3701	0.024	951006	1.86E+03
0.40 S 5	-	19.9419	0.024	951006	4.00E-01
108 M 3	-	21.4159	0.0152	940708	6.48E+03
108 M 3	-	21.4159	0.0152	940708	6.48E+03
59.1 M 6	-	20.5699	0.0152	940708	3.55E+03
59.1 M 6	-	20.5699	0.0152	940708	3.55E+03
59.1 M 6	-	20.5699	0.0152	940708	3.55E+03
1.72 H 5	-	20.7329	0.0204	970424	6.19E+03
1.72 H 5	-	20.7329	0.0204	970424	6.19E+03
11.76 H 5	-	21.5399	0.0216	Work04	4.23E+04
305 MS 5	-	20.4418	0.0216	Work04	3.05E-01
11.22 H 10	-	20.6673	0.026	941104	4.04E+04
13.0 MS 1	-	19.8618	0.026	941104	1.30E-02
1.07 MS 3	-	17.8339	0.026	941104	1.07E-03
15.31 D 4	-	21.0617	0.0072	200404	1.32E+06

6.243 D 3	-	20.0279	0.0078	199910	5.39E+05
0.89 MS 1	-	18.9831	0.0078	199910	8.90E-04
32.9 Y 14	-	20.0544	0.0024	199402	1.04E+09
182 US 6	-	17.9529	0.0024	199402	1.82E-04
3.68E+5 Y 4	-	18.87	0.0024	860513	1.16E+13
2.58 MS 4	-	17.2989	0.0024	860513	2.58E-03
1.9E+19 Y 2	-100%	18.2585	0.0014	03DE11	6.00E+26
5.012 D 5	-	14.7918	0.0014	200307	4.33E+05
5.012 D 5	-	14.7918	0.0014	200307	4.33E+05
3.04E+6 Y 6	-	14.5205	0.0014	200307	9.59E+13
2.14 M 2	-	11.8584	0.0055	200410	1.28E+02
2.14 M 2	-	11.8584	0.0055	200410	1.28E+02
60.55 M 6		-8.1173	0.002	Work04	3.63E+03
60.55 M 6		-8.1173	0.002	Work04	3.63E+03
25.0 M 2		-7.8673	0.002	Work04	1.50E+03
25.0 M 2		-7.8673	0.002	Work04	1.50E+03
25.0 M 2		-7.8673	0.002	Work04	1.50E+03
7.0 M 3		-6.2073	0.002	Work04	4.20E+02
45.59 M 6		-5.2306	0.005	920513	2.74E+03
45.59 M 6		-5.2306	0.005	920513	2.74E+03
19.9 M 4		-1.2002	0.0112	951106	1.19E+03
19.9 M 4		-1.2002	0.0112	951106	1.19E+03
7.6 M 2		1.6485	0.0149	200110	4.56E+02
36.4 S		2.996	0.0149	200110	3.64E+01
36.4 S		2.996	0.0149	200110	3.64E+01
2.17 M 5		5.8739	0.0112	98VA13	1.30E+02
98.5 S 8		8.821	0.1960	S 03KU25	9.85E+01
33 S 1		13.335	0.3590	S 200405	3.30E+01
0.40 MS +20-15		-0.5384	0.0194	200204	4.00E-04
0.40 MS +20-15		-0.5384	0.0194	200204	4.00E-04
5 MS 1		-1.4153	0.0221	200309	5.00E-03
2.46 MS 5		-4.5632	0.0134	200306	2.46E-03
22 MS 1		-5.0538	0.011	200007	2.20E-02
93 MS 3		-4.9238	0.011	01uu01	9.30E-02
33.2 MS 14		-8.0713	0.0119	01KE06	3.32E-02
33.2 MS 14		-8.0713	0.0119	01KE06	3.32E-02
243 MS +11-10		-8.3599	0.0347	Work04	2.43E-01
370 MS +46-40		-8.3599	0.0347	Work04	3.70E-01
0.392 S 4	-	11.005	0.0126	Work04	3.92E-01
0.392 S 4	-	11.005	0.0126	Work04	3.92E-01
4.64 S 9	-	11.0748	0.0393	199905	4.64E+00
4.64 S 9	-	11.0748	0.0393	199905	4.64E+00
1.92 S 2	-	10.8448	0.0393	199905	1.92E+00
1.92 S 2	-	10.8448	0.0393	199905	1.92E+00
1.92 S 2	-	10.8448	0.0393	199905	1.92E+00
5.8 S 2	-	13.4745	0.013	980218	5.80E+00
5.8 S 2	-	13.4745	0.013	980218	5.80E+00
84 S 16	-	13.358	0.0497	Work04	8.40E+01
84 S 16	-	13.358	0.0497	Work04	8.40E+01
32 S 2	-	13.154	0.0497	Work04	3.20E+01
32 S 2	-	13.154	0.0497	Work04	3.20E+01
32 S 2	-	13.154	0.0497	Work04	3.20E+01

1.77 M 3	-	15.4734	0.0174	200203	1.06E+02
1.77 M 3	-	15.4734	0.0174	200203	1.06E+02
4.58 M 52	-	15.215	0.0235	96TA18	2.75E+02
4.58 M 52	-	15.215	0.0235	96TA18	2.75E+02
4.13 M 43	-	14.905	0.0235	96TA18	2.48E+02
4.13 M 43	-	14.905	0.0235	96TA18	2.48E+02
4.13 M 43	-	14.905	0.0235	96TA18	2.48E+02
10.9 M 11	-	16.9545	0.0144	96TA18	6.54E+02
10.9 M 11	-	16.9545	0.0144	96TA18	6.54E+02
15.3 M 2	-	16.5249	0.0058	940708	9.18E+02
15.3 M 2	-	16.5249	0.0058	940708	9.18E+02
8.9 M 2	-	16.1009	0.0058	940708	5.34E+02
8.9 M 2	-	16.1009	0.0058	940708	5.34E+02
8.9 M 2	-	16.1009	0.0058	940708	5.34E+02
44.7 M 5	-	17.9242	0.0147	970424	2.68E+03
44.7 M 5	-	17.9242	0.0147	970424	2.68E+03
36.7 M 5	-	17.3071	0.0259	Work04	2.20E+03
36.7 M 5	-	17.3071	0.0259	Work04	2.20E+03
45 S 2	-	16.6654	0.0259	Work04	4.50E+01
3.53 H 2	-	18.3336	0.011	941104	1.27E+04
3.53 H 2	-	18.3336	0.011	941104	1.27E+04
1.74 H 8	-	17.509	0.0199	200404	6.26E+03
1.74 H 8	-	17.509	0.0199	200404	6.26E+03
0.645 MS 20	-	16.6287	0.0199	200404	6.45E-04
57.4 MS 9	-	16.0478	0.0199	200404	5.74E-02
8.8 D 1	-	18.1817	0.0083	199910	7.60E+05
8.8 D 1	-	18.1817	0.0083	199910	7.60E+05
5.80 H 2	-	17.1458	0.0066	940510	2.09E+04
5.80 H 2	-	17.1458	0.0066	940510	2.09E+04
2.79 S 8	-	15.7628	0.0066	940510	2.79E+00
2.898 Y 2	-	17.4695	0.0018	860513	9.15E+07
2.898 Y 2	-	17.4695	0.0018	860513	9.15E+07
102 Y 5	-	16.3659	0.0018	911113	3.22E+09
102 Y 5	-	16.3659	0.0018	911113	3.22E+09
138.376 D 2	-	15.9531	0.0012	200307	1.20E+07
0.516 S 3	-	12.4325	0.0013	200410	5.16E-01
25.2 S 6	-	10.9705	0.0013	200410	2.52E+01
25.2 S 6	-	10.9705	0.0013	200410	2.52E+01
0.299 US 2	-	10.3694	0.0012	Work04	2.99E-07
0.76 NS 21	-	-9.0139	0.0012	Work04	7.60E-10
17.1 NS 2	-	-8.893	0.0012	Work04	1.71E-08
45.1 S 6	-	-7.4474	0.0012	Work04	4.51E+01
3.65 US 4	-	-6.6534	0.0031	98WA25	3.65E-06
164.3 US 20	-	-4.4699	0.0015	951106	1.64E-04
99 PS 3	-	-3.0544	0.0015	951106	9.90E-11
99 PS 3	-	-3.0544	0.0015	951106	9.90E-11
1.781 MS 4	-	-0.5403	0.0025	200110	1.78E-03
1.781 MS 4	-	-0.5403	0.0025	200110	1.78E-03
0.145 S 2	-	1.7838	0.0022	970306	1.45E-01
1.53 S 5	-	5.9008	0.0066	04Li28	1.53E+00
3.10 M 2	-	8.3583	0.0024	200405	1.86E+02
3.10 M 2	-	8.3583	0.0024	200405	1.86E+02

2 M AP		12.802	0.3590	S	NUBASE	1.20E+02
2 M AP		12.802	0.3590	S	NUBASE	1.20E+02
300 NS GT		15.465	0.3590	S	NUBASE	3.00E-07
1.7 MS +11-5		0		0	03KE08	1.70E-03
2.1 MS +4-3		0		0	03KE08	2.10E-03
28 MS +5-4		-0.1461	0.0543		Work04	2.80E-02
21 MS 5		-0.1411	0.0543		Work04	2.10E-02
27 MS +4-5		-0.1071	0.0543		Work04	2.70E-02
40 MS AP		-1.1876	0.1856		Work04	4.00E-02
40 MS AP		-1.1876	0.1856		Work04	4.00E-02
250 MS AP		-1.1876	0.1856		Work04	2.50E-01
250 MS AP		-1.1876	0.1856		Work04	2.50E-01
250 MS AP		-1.1876	0.1856		Work04	2.50E-01
328 MS +20		-3.4762	0.0091		03KE04	3.28E-01
147 MS +5		-3.4392	0.0091		03KE04	1.47E-01
0.39 S 5		-3.9234	0.0599		05DE01	3.90E-01
0.39 S 5		-3.9234	0.0599		05DE01	3.90E-01
0.390 S 16		-6.3442	0.0509		05DE01	3.90E-01
0.390 S 16		-6.3442	0.0509		Work04	3.90E-01
2.0 S 2		-6.2922	0.0509		Work04	2.00E+00
2.0 S 2		-6.2922	0.0509		Work04	2.00E+00
2.0 S 2		-6.2922	0.0509		Work04	2.00E+00
4.2 S 3		-6.6721	0.0492		200203	4.20E+00
4.2 S 3		-6.6721	0.0492		200203	4.20E+00
1.0 S 2		-6.5701	0.0492		200203	1.00E+00
1.0 S 2		-6.5701	0.0492		200203	1.00E+00
6.92 S 13		-8.8191	0.0503		05DE01	6.92E+00
6.92 S 13		-8.8191	0.0503		940816	6.92E+00
43 S 1		-8.9877	0.0245		951006	4.30E+01
43 S 1		-8.9877	0.0245		951006	4.30E+01
47 S 1		-8.8837	0.0245		951006	4.70E+01
47 S 1		-8.8837	0.0245		951006	4.70E+01
3.5 S 2		-8.6527	0.0245		951006	3.50E+00
3.5 S 2		-8.6527	0.0245		951006	3.50E+00
3.5 S 2		-8.6527	0.0245		951006	3.50E+00
89 S 3	-	10.7895	0.0083		940708	8.90E+01
89 S 3	-	10.7895	0.0083		940708	8.90E+01
184 S 1	-	10.5909	0.028		970424	1.84E+02
184 S 1	-	10.5909	0.028		970424	1.84E+02
182 S 2	-	10.5909	0.028		970424	1.82E+02
182 S 2	-	10.5909	0.028		970424	1.82E+02
0.46 S 5	-	10.1992	0.028		970424	4.60E-01
0.46 S 5	-	10.1992	0.028		970424	4.60E-01
0.46 S 5	-	10.1992	0.028		970424	4.60E-01
7.37 M 13	-	12.1635	0.0118		Work04	4.42E+02
7.37 M 13	-	12.1635	0.0118		Work04	4.42E+02
9.2 M 2	-	11.8753	0.024		941104	5.52E+02
9.2 M 2	-	11.8753	0.024		941104	5.52E+02
108 MS 10	-	11.2883	0.024		941104	1.08E-01
26.9 M 8	-	12.9715	0.0151		200404	1.61E+03
26.9 M 8	-	12.9715	0.0151		200404	1.61E+03
30.6 M 13	-	12.4196	0.0205		199910	1.84E+03

30.6 M 13	-	12.4196	0.0205	199910	1.84E+03
1.80 H 4	-	13.2426	0.0215	940210	6.48E+03
1.80 H 4	-	13.2426	0.0215	940210	6.48E+03
1.63 H 3	-	12.4914	0.0259	860513	5.87E+03
1.63 H 3	-	12.4914	0.0259	860513	5.87E+03
5.41 H 5	-	12.8796	0.0075	199111	1.95E+04
5.41 H 5	-	12.8796	0.0075	199111	1.95E+04
8.1 H 4	-	11.9718	0.0078	200307	2.92E+04
8.1 H 4	-	11.9718	0.0078	200307	2.92E+04
7.214 H 7	-	11.6471	0.0028	200410	2.60E+04
7.214 H 7	-	11.6471	0.0028	200410	2.60E+04
0.314 S 2		-8.6212	0.0072	Work04	3.14E-01
0.314 S 2		-8.6212	0.0072	Work04	3.14E-01
0.314 S 2		-8.6212	0.0072	Work04	3.14E-01
0.119 S 3		-8.3982	0.0072	Work04	1.19E-01
0.119 S 3		-8.3982	0.0072	Work04	1.19E-01
125 NS 6		-6.5795	0.0049	920513	1.25E-07
558 NS 10		-3.3797	0.0043	951106	5.58E-07
265 NS 30		-3.3207	0.0043	951106	2.65E-07
760 NS 15		-3.1487	0.0043	951106	7.60E-07
0.10 MS 2		-1.2551	0.0068	200110	1.00E-04
0.30 MS 3		2.2573	0.0036	970306	3.00E-04
0.30 MS 3		2.2573	0.0036	970306	3.00E-04
0.30 MS 3		2.2573	0.0036	970306	3.00E-04
0.1 MS SY		2.6703	0.0036	970306	1.00E-04
32.3 MS 4		4.3956	0.0049	200309	3.23E-02
32.3 MS 4		4.3956	0.0049	200309	3.23E-02
1.5 S 3		8.0987	0.0116	960104	1.50E+00
1.5 S 3		8.0987	0.0116	960104	1.50E+00
56 S 3		10.397	0.0039	200110	5.60E+01
56 S 3		10.397	0.0039	200110	5.60E+01
3.71 M 4		14.3522	0.0512	970306	2.23E+02
3.71 M 4		14.3522	0.0512	970306	2.23E+02
2.3 M 2		16.813	0.1960	S 901217	1.38E+02
54 S 10		20.8	0.2980	S 960129	5.40E+01
50 S 7		23.464	0.4010	S 200110	5.00E+01
6 MS +3-2		5.0652	0.0512	01UU01	6.00E-03
5 MS +3-2		5.1242	0.0512	01UU01	5.00E-03
4.4 MS +13-9		1.9703	0.015	01UU01	4.40E-03
65 MS +25-14		1.4758	0.0609	Work04	6.50E-02
19 MS +8-4		1.4758	0.0609	Work04	1.90E-02
65 MS 3		-1.2308	0.0131	200203	6.50E-02
65 MS 3		-1.2308	0.0131	200203	6.50E-02
0.62 S 3		-1.5181	0.0636	980109	6.20E-01
0.62 S 3		-1.5181	0.0636	980109	6.20E-01
0.32 S 2		-1.5181	0.0636	980109	3.20E-01
0.32 S 2		-1.5181	0.0636	980109	3.20E-01
0.96 S 3		-4.0061	0.0132	980107	9.60E-01
0.96 S 3		-4.0061	0.0132	980107	9.60E-01
7.1 S 8		-4.0722	0.0705	96TA18	7.10E+00
7.1 S 8		-4.0722	0.0705	96TA18	7.10E+00
3.8 S 1		-3.7922	0.0705	96TA18	3.80E+00

3.8 S 1	-3.7922	0.0705	96TA18	3.80E+00
3.8 S 1	-3.7922	0.0705	96TA18	3.80E+00
10.0 S 3	-6.275	0.0175	970424	1.00E+01
10.0 S 3	-6.275	0.0175	970424	1.00E+01
44.2 S 16	-6.1603	0.0236	Work04	4.42E+01
44.2 S 16	-6.1603	0.0236	Work04	4.42E+01
26.9 S 5	-5.7983	0.0236	Work04	2.69E+01
26.9 S 5	-5.7983	0.0236	Work04	2.69E+01
1.17 M 18	-7.9841	0.0145	96TA18	7.02E+01
1.17 M 18	-7.9841	0.0145	96TA18	7.02E+01
170 S 4	-7.7139	0.0503	200404	1.70E+02
170 S 4	-7.7139	0.0503	200404	1.70E+02
5.67 M 17	-9.1155	0.0148	199910	3.40E+02
5.67 M 17	-9.1155	0.0148	199910	3.40E+02
9.25 M 17	-8.631	0.026	940210	5.55E+02
9.25 M 17	-8.631	0.026	940210	5.55E+02
181 US 18	-7.732	0.026	940210	1.81E-04
24.35 M 14	-9.648	0.0111	860513	1.46E+03
24.35 M 14	-9.648	0.0111	860513	1.46E+03
28.5 M 10	-8.9286	0.02	911113	1.71E+03
28.5 M 10	-8.9286	0.02	911113	1.71E+03
2.4 H 1	-9.5979	0.0086	200307	8.64E+03
2.4 H 1	-9.5979	0.0086	200307	8.64E+03
14.6 H 2	-8.7556	0.0068	200410	5.26E+04
14.6 H 2	-8.7556	0.0068	200410	5.26E+04
23.9 M 12	-8.6596	0.0032	Work04	1.43E+03
19.4 MS 1	-5.6983	0.0057	00HE17	1.94E-02
0.27 US 2	-4.3198	0.0092	951106	2.70E-07
0.69 NS 21	-2.8771	0.0092	951106	6.90E-10
0.69 NS 21	-2.8771	0.0092	951106	6.90E-10
6.5 NS 30	-2.6947	0.0092	951106	6.50E-09
6.5 NS 30	-2.6947	0.0092	951106	6.50E-09
2.30 US 10	-1.1686	0.0077	200110	2.30E-06
45 US 5	0.2556	0.0073	970306	4.50E-05
0.54 MS 5	3.6586	0.0042	200309	5.40E-04
35 MS 5	5.2175	0.0024	960104	3.50E-02
3.96 S 1	8.8308	0.0025	200110	3.96E+00
55.6 S 1	10.6134	0.0022	970306	5.56E+01
25.7 M 5	14.4724	0.0059	97LI23	1.54E+03
25.7 M 5	14.4724	0.0059	97LI23	1.54E+03
3.8235 D 4	16.3736	0.0024	03DE	3.30E+05
24.3 M 4	20.297	0.2980	S 200110	1.46E+03
107 M 3	22.44	0.2980	S 970306	6.42E+03
4.66 M 4	26.492	0.2980	S 97BU03	2.80E+02
7.4 M 1	28.774	0.4010	S 960405	4.44E+02
20.8 S 7	32.981	0.4230	S 200110	2.08E+01
65 S 2	35.384	0.4100	S 970424	6.50E+01
12 MS +10-4	6.7609	0.0418	200107	1.20E-02
12 MS +10-4	6.7609	0.0418	200107	1.20E-02
49 MS 4	6.1222	0.078	05DE01	4.90E-02
0.57 S +27-14	6.3222	0.078	971209	5.70E-01
67 MS 3	3.5964	0.0714	05DE01	6.70E-02

67 MS 3	3.5964	0.0714	05DE01	6.70E-02
19 MS +19-6	3.5964	0.0714	05DE01	1.90E-02
0.23 S +8-4	3.1418	0.0495	96EN01	2.30E-01
0.23 S +8-4	3.1418	0.0495	96EN01	2.30E-01
0.23 S +14-5	3.2438	0.0495	96EN01	2.30E-01
0.23 S +14-5	3.2438	0.0495	96EN01	2.30E-01
0.55 S 2	0.8613	0.0158	Work04	5.50E-01
1.7 S 3	0.6085	0.0246	941104	1.70E+00
1.7 S 3	0.6085	0.0246	941104	1.70E+00
2.6 S 3	0.6495	0.0246	941104	2.60E+00
1 S AP	0.9245	0.0246	941104	1.00E+00
1 S AP	0.9245	0.0246	ENAM95	1.00E+00
3.80 S 3	-1.3097	0.0078	05DE01	3.80E+00
16 S AP	-1.2426	0.0282	199910	1.60E+01
16 S AP	-1.2426	0.0282	199910	1.60E+01
15.9 S 1	-1.2426	0.0282	199910	1.59E+01
15.9 S 1	-1.2426	0.0282	199910	1.59E+01
0.7 S 1	-0.7116	0.0282	199910	7.00E-01
0.7 S 1	-0.7116	0.0282	199910	7.00E-01
14.8 S 1	-2.8416	0.0507	940210	1.48E+01
14.8 S 1	-2.8416	0.0507	940210	1.48E+01
59.1 S 3	-2.6652	0.0465	860513	5.91E+01
59.1 S 3	-2.6652	0.0465	860513	5.91E+01
50.0 S 3	-3.7692	0.0146	911113	5.00E+01
50.0 S 3	-3.7692	0.0146	911113	5.00E+01
3.18 M 6	-3.3462	0.0222	200307	1.91E+02
3.18 M 6	-3.3462	0.0222	200307	1.91E+02
3.10 M 2	-4.1577	0.0211	200410	1.86E+02
3.10 M 2	-4.1577	0.0211	200410	1.86E+02
20.0 M 6	-3.5376	0.0258	Work04	1.20E+03
20.0 M 6	-3.5376	0.0258	Work04	1.20E+03
34.6 S 3	-3.5498	0.0077	920513	3.46E+01
34.6 S 3	-3.5498	0.0077	920513	3.46E+01
5.0 MS 2	-0.9584	0.0088	951106	5.00E-03
3.35 MS 5	-0.8364	0.0088	951106	3.35E-03
86 NS 5	0.3181	0.0071	200110	8.60E-08
0.70 US 2	2.9789	0.0142	970306	7.00E-07
0.70 US 2	2.9789	0.0142	970306	7.00E-07
71 NS 5	3.1122	0.0142	970306	7.10E-08
19 US 3	4.3146	0.0065	200309	1.90E-05
1.0 MS 6	7.0592	0.0048	960104	1.00E-03
22.0 MS 5	7.1452	0.0048	960104	2.20E-02
22.0 MS 5	7.1452	0.0048	960104	2.20E-02
20 MS 2	8.6183	0.0071	200110	2.00E-02
27.4 S 3	11.4829	0.0041	970306	2.74E+01
27.4 S 3	11.4829	0.0041	970306	2.74E+01
4.9 M 2	13.2782	0.0048	901217	2.94E+02
4.9 M 2	13.2782	0.0048	901217	2.94E+02
4.9 M 2	13.2782	0.0048	ENAM95	2.94E+02
14.2 M 3	16.3493	0.0212	960129	8.52E+02
22.00 M 7	18.3838	0.0024	200110	1.32E+03
22.00 M 7	18.3838	0.0024	200110	1.32E+03

3.33 M 10	21.6572	0.05	970306	2.00E+02
4.0 M 2	23.814	0.0301	900828	2.40E+02
49 S 1	27.3731	0.1	960405	4.90E+01
2.47 M 3	29.655	0.1	200110	1.48E+02
38 S 1	33.282	0.2000 S	970424	3.80E+01
50.2 S 4	35.8162	0.0373	92BO05	5.02E+01
19.1 S 5	39.598	0.4480 S	930708	1.91E+01
17.6 S 6	42.328	0.4670 S	200110	1.76E+01
5 S 1	46.363	0.6390 S	971209	5.00E+00
0.7 MS +33-3	9.2131	0.0626	980107	7.00E-04
1.0 MS +50-5	8.6365	0.0809	Work04	1.00E-03
33 MS +22-10	8.6365	0.0809	Work04	3.30E-02
59 MS +12-9	6.0544	0.0154	980107	5.90E-02
210 MS +60-40	5.8391	0.0865	200404	2.10E-01
210 MS +60-40	5.8391	0.0865	200404	2.10E-01
170 MS +60-40	5.8391	0.0865	200404	1.70E-01
170 MS +60-40	5.8391	0.0865	200404	1.70E-01
0.24 S 2	3.5651	0.018	199910	2.40E-01
1.3 S 2	3.5379	0.0553	940210	1.30E+00
1.3 S 2	3.5379	0.0553	940210	1.30E+00
55 MS 10	4.0079	0.0553	940210	5.50E-02
55 MS 10	4.0079	0.0553	940210	5.50E-02
55 MS 10	4.0079	0.0553	940210	5.50E-02
1.3 S 2	1.7139	0.0154	860513	1.30E+00
1.3 S 2	1.7139	0.0154	860513	1.30E+00
4.6 S 2	1.855	0.0505	911113	4.60E+00
4.6 S 2	1.855	0.0505	911113	4.60E+00
3.7 S 2	0.4611	0.0152	200307	3.70E+00
3.7 S 2	0.4611	0.0152	200307	3.70E+00
13 S 2	0.8365	0.0262	200410	1.30E+01
13 S 2	0.8365	0.0262	200410	1.30E+01
13.0 S 2	-0.1914	0.0113	Work04	1.30E+01
13.0 S 2	-0.1914	0.0113	Work04	1.30E+01
2.74 M 6	0.3577	0.0203	920513	1.64E+02
2.74 M 6	0.3577	0.0203	920513	1.64E+02
2.1 MS 1	2.1277	0.0203	920513	2.10E-03
2.1 MS 1	2.1277	0.0203	920513	2.10E-03
2.46 S 3	0.1005	0.0092	951106	2.46E+00
2.46 S 3	0.1005	0.0092	951106	2.46E+00
1.55 MS 7	2.5335	0.0076	200110	1.55E-03
182 NS 10	3.291	0.0088	970306	1.82E-07
182 NS 10	3.291	0.0088	970306	1.82E-07
0.2 NS LT	4.7986	0.0088	970306	2.00E-10
1.42 NS 20	5.0021	0.0088	970306	1.42E-09
0.6 NS 1	5.317	0.0088	970306	6.00E-10
1.6 US 2	5.8873	0.0085	200309	1.60E-06
25.2 US 3	6.6511	0.0112	01KU07	2.52E-05
10 MS 3	9.3942	0.0083	200110	1.00E-02
18 MS 2	10.2729	0.0092	970306	1.80E-02
28 S 2	12.9639	0.0047	901217	2.80E+01
28 S 2	12.9639	0.0047	ENAM95	2.80E+01
38.0 S 5	14.3213	0.0046	960129	3.80E+01

38.0 S 5	14.3213	0.0046	960129	3.80E+01
11.43 D 5	17.2347	0.0025	200110	9.88E+05
11.43 D 5	17.2347	0.0025	200110	9.88E+05
3.6319 D 23	18.8272	0.0022	04SC04	3.14E+05
3.6319 D 23	18.8272	0.0022	04SC04	3.14E+05
14.9 D 2	21.994	0.003	900828	1.29E+06
1600 Y 7	23.6691	0.0023	960405	5.05E+10
1600 Y 7	23.6691	0.0023	960405	5.05E+10
42.2 M 5	27.179	0.0024	200110	2.53E+03
5.75 Y 3	28.9418	0.0024	970424	1.81E+08
4.0 M 2	32.5628	0.0187	900216	2.40E+02
93 M 2	34.5178	0.0121	930708	5.58E+03
103 S 3	38.396	0.2980 S	200110	1.03E+02
250 S 50	40.649	0.2800 S	910807	2.50E+02
30 S 5	44.767	0.4680 S	Work04	3.00E+01
30 S 10	47.23	0.4900 S	940408	3.00E+01
11 MS +9-3	13.5113	0.0704	199910	1.10E-02
22 MS +9-5	13.5113	0.0704	199910	2.20E-02
33 MS +22-9	13.5113	0.0704	199910	3.30E-02
27 MS +11-6	11.1311	0.0524	98ES02	2.70E-02
95 MS +24-16	10.7602	0.0557	960126	9.50E-02
95 MS +24-16	10.7602	0.0557	960126	9.50E-02
25 MS +9-5	11.2662	0.0557	960126	2.50E-02
25 MS +9-5	11.2662	0.0557	960126	2.50E-02
25 MS +9-5	11.2662	0.0557	960126	2.50E-02
0.10 S 5	8.8444	0.0506	911113	1.00E-01
0.10 S 5	8.8444	0.0506	911113	1.00E-01
0.35 S 5	8.7896	0.0574	200307	3.50E-01
0.35 S 5	8.7896	0.0574	200307	3.50E-01
0.21 S 3	7.205	0.0712	200410	2.10E-01
0.93 S 5	7.2785	0.0683	Work04	9.30E-01
0.93 S 5	7.2785	0.0683	Work04	9.30E-01
0.731 S 17	6.155	0.0521	00HE17	7.31E-01
8.2 S 2	6.429	0.0225	951106	8.20E+00
8.2 S 2	6.429	0.0225	951106	8.20E+00
0.17 S 1	6.0115	0.0214	200110	1.70E-01
0.17 S 1	6.0115	0.0214	200110	1.70E-01
0.440 MS 16	8.1227	0.0266	00HE17	4.40E-04
	8.1597	0.0266		0.00E+00
69 NS 4	8.7066	0.0128	200309	6.90E-08
69 NS 4	8.7066	0.0128	200309	6.90E-08
10 NS LT	10.2351	0.0128	200309	1.00E-08
10 NS LT	10.2351	0.0128	200309	1.00E-08
740 NS 40	10.7196	0.0128	200309	7.40E-07
740 NS 40	10.7196	0.0128	200309	7.40E-07
1.08 US 9	10.8439	0.0508	960104	1.08E-06
11.8 US 15	11.5695	0.0505	200110	1.18E-05
26.4 MS 2	13.7516	0.0149	970306	2.64E-02
26.4 MS 2	13.7516	0.0149	970306	2.64E-02
52 MS 2	14.5232	0.0504	901217	5.20E-02
5.0 S 5	16.6214	0.0052	960129	5.00E+00
5.0 S 5	16.6214	0.0052	960129	5.00E+00

63 S 3	16.6214	0.0052	960129	6.30E+01
63 S 3	16.6214	0.0052	960129	6.30E+01
63 S 3	16.6214	0.0052	960129	6.30E+01
2.10 M 5	17.8264	0.0072	200110	1.26E+02
2.10 M 5	17.8264	0.0072	200110	1.26E+02
2.78 H 17	20.2347	0.0042	970306	1.00E+04
2.78 H 17	20.2347	0.0042	970306	1.00E+04
2.78 H 17	20.2347	0.0042	970306	1.00E+04
10.0 D 1	21.6382	0.0047	900828	8.64E+05
10.0 D 1	21.6382	0.0047	01GU33	8.64E+05
29.37 H 12	24.3102	0.0033	960405	1.06E+05
29.37 H 12	24.3102	0.0033	960405	1.06E+05
29.37 H 12	24.3102	0.0033	960405	1.06E+05
21.772 Y 3	25.8509	0.0024	200110	6.87E+08
21.772 Y 3	25.8509	0.0024	200110	6.87E+08
6.15 H 2	28.896	0.0025	970424	2.21E+04
62.7 M 5	30.7535	0.0333	900216	3.76E+03
122 S 3	33.8078	0.3002	940510	1.22E+02
7.5 M 1	35.9173	0.1	200110	4.50E+02
119 S 5	39.1483	0.1	910807	1.19E+02
145 S 10	41.498	0.2980 S	Work04	1.45E+02
44 S 7	45.103	0.4010 S	940408	4.40E+01
40 S AP	47.722	0.3580 S	NUBASE	4.00E+01
2 M AP	51.508	0.4990 S	NUBASE	1.20E+02
3.8 MS +69-15	16.5021	0.0999	971209	3.80E-03
9 MS +17-4	14.0426	0.025	200307	9.00E-03
9 MS +17-4	14.0426	0.025	200307	9.00E-03
0.04 S +3-1	13.9057	0.0745	200410	4.00E-02
30 MS +20-10	12.0911	0.0185	Work04	3.00E-02
30 MS +20-10	12.0911	0.0185	Work04	3.00E-02
140 MS 25	12.1189	0.071	920513	1.40E-01
100 MS 25	10.712	0.0168	951106	1.00E-01
1.2 S 2	10.9267	0.0269	200110	1.20E+00
0.028 S 2	10.3043	0.0129	970306	2.80E-02
0.028 S 2	10.3043	0.0129	970306	2.80E-02
180 US 40	12.3323	0.0129	970306	1.80E-04
180 US 40	12.3323	0.0129	970306	1.80E-04
0.241 MS 5	12.2159	0.0208	200309	2.41E-04
141 NS 50	12.8897	0.0208	200309	1.41E-07
109 NS 13	12.3744	0.013	960104	1.09E-07
1.05 US 3	14.4725	0.0506	200110	1.05E-06
9.7 US 6	14.6689	0.0222	970306	9.70E-06
9.7 US 6	14.6689	0.0222	970306	9.70E-06
1.73 MS 3	16.938	0.0094	01KU07	1.73E-03
2.237 MS 13	17.2029	0.0123	01KU07	2.24E-03
0.60 S 2	19.3857	0.0092	200110	6.00E-01
0.81 S 10	19.9963	0.011	00HE17	8.10E-01
8.72 M 4	22.3102	0.0051	900828	5.23E+02
8.72 M 4	22.3102	0.0051	900828	5.23E+02
30.57 M 10	23.1971	0.0047	960405	1.83E+03
18.68 D 9	25.8062	0.0025	200110	1.61E+06
1.9116 Y 16	26.7722	0.0022	970905	6.03E+07

1.9116 Y 16		26.7722	0.0022	970905	6.03E+07
7340 Y 160		29.5865	0.0028	900216	2.32E+11
13.9 H 30		29.59	0.0028	03MI02	5.00E+04
7.538E+4 Y 30		30.864	0.0018	930708	2.38E+12
7.538E+4 Y 30		30.864	0.0018	930708	2.38E+12
25.52 H 1		33.8173	0.0018	200110	9.19E+04
25.52 H 1		33.8173	0.0018	200110	9.19E+04
1.405E+10 Y 6	100%	35.4483	0.002	910807	0.00E+00
1.405E+10 Y 6		35.4483	0.002	96BO08	0.00E+00
1.405E+10 Y 6		35.4483	0.002	96BO08	0.00E+00
21.83 M 4		38.7332	0.002	Work04	1.31E+03
50 NS +50-49		40.5832	0.002	Work04	5.00E-08
24.10 D 3		40.6143	0.0035	940408	2.08E+06
7.2 M 1		44.2554	0.05	200305	4.32E+02
37.5 M 2		46.454	0.1960	S 910807	2.25E+03
4.7 M 6		50.202	0.3590	S 00xu02	2.82E+02
9.4 M 20		52.625	0.2830	S 200211	5.64E+02
5.1 MS +61-19		21.6145	0.0749	Work04	5.10E-03
5.3 MS +40-16		19.6632	0.0711	971209	5.30E-03
17 MS 3		19.4854	0.0761	951106	1.70E-02
14 MS 2		17.8715	0.087	200110	1.40E-02
105 MS 12		17.8004	0.0699	96AN21	1.05E-01
105 MS 12		17.8004	0.0699	96AN21	1.05E-01
3.6 MS 8		17.0687	0.0523	200309	3.60E-03
1.2 MS 2		18.9187	0.0523	200309	1.20E-03
1.2 MS 2		18.9187	0.0523	200309	1.20E-03
0.113 MS 1		18.6689	0.0246	00HE17	1.13E-04
53 NS 10		18.521	0.0544	200110	5.30E-08
0.78 US 16		20.3767	0.0566	970306	7.80E-07
0.78 US 16		20.3767	0.0566	970306	7.80E-07
4.9 US 8		20.3792	0.0516	95ANZY	4.90E-06
3.3 MS 3		22.116	0.0730	S 95ANZY	3.30E-03
5.1 MS 6		22.3207	0.0711	200110	5.10E-03
0.85 S 2		23.8702	0.0155	97WI15	8.50E-01
1.7 S 2		24.3406	0.071	900828	1.70E+00
1.8 M 2		26.0332	0.0114	960405	1.08E+02
1.8 M 2		26.0332	0.0114	960405	1.08E+02
38.3 M 3		26.8318	0.0075	200110	2.30E+03
38.3 M 3		26.8318	0.0075	200110	2.30E+03
22 H 1		28.9242	0.0044	970424	7.92E+04
22 H 1		28.9242	0.0044	970424	7.92E+04
1.50 D 5		29.898	0.0027	900216	1.30E+05
1.50 D 5		29.898	0.0027	900216	1.30E+05
17.4 D 5		32.1745	0.0033	930708	1.50E+06
17.4 D 5		32.1745	0.0033	930708	1.50E+06
17.4 D 5		32.1745	0.0033	930708	1.50E+06
3.276E+4 Y 11		33.4257	0.0023	200110	1.03E+12
3.276E+4 Y 11		33.4257	0.0023	200110	1.03E+12
1.31 D 2		35.9478	0.0077	910807	1.13E+05
1.31 D 2		35.9478	0.0077	910807	1.13E+05
26.975 D 13		37.4901	0.0022	Work04	2.33E+06
6.70 H 5		40.3412	0.0047	940408	2.41E+04

1.17 M 3		40.4152	0.0047	940408	7.02E+01
1.17 M 3		40.4152	0.0047	940408	7.02E+01
24.44 M 11		42.3305	0.05	200305	1.47E+03
9.1 M 1		45.3463	0.2	910807	5.46E+02
8.7 M 2		47.6419	0.1	950526	5.22E+02
2.27 M 9		50.7689	0.06	200211	1.36E+02
2.27 M 9		50.7689	0.06	HOFF95	1.36E+02
1.8 H 5		53.337	0.1960	S 200305	6.48E+03
2 M AP		56.803	0.2980	S NUBASE	1.20E+02
16 MS +21-6		22.6994	0.0869	200309	1.60E-02
1.5 MS +73-7		21.9233	0.0305	960104	1.50E-03
42 US +34-13		23.212	0.0568	200110	4.20E-05
60 NS AP		23.029	0.2000	S NUBASE	6.00E-08
60 NS AP		23.029	0.2000	S NUBASE	6.00E-08
0.7 US AP		24.591	0.1020	S NUBASE	7.00E-07
0.7 US AP		24.591	0.1020	S NUBASE	7.00E-07
1.0 US +10-4		24.299	0.1010	S 960129	1.00E-06
18 US +10-5		25.8383	0.0711	200110	1.80E-05
18 US +10-5		25.8383	0.0711	200110	1.80E-05
0.9 MS 3		25.7137	0.0253	9703	9.00E-04
84 MS 4		27.3773	0.0116	01KU07	8.40E-02
0.26 S 2		27.3288	0.013	01KU07	2.60E-01
1.1 M 1		29.022	0.0169	200110	6.60E+01
9.1 M 2		29.2247	0.015	970424	5.46E+02
9.1 M 2		29.2247	0.015	970424	5.46E+02
58 M 3		31.2106	0.006	900216	3.48E+03
58 M 3		31.2106	0.006	900216	3.48E+03
20.8 D		31.6147	0.0048	930708	1.80E+06
20.8 D		31.6147	0.0048	930708	1.80E+06
4.2 D 1		33.8074	0.003	200110	3.63E+05
4.2 D 1		33.8074	0.003	200110	3.63E+05
68.9 Y 4		34.6107	0.0022	910807	2.17E+09
68.9 Y 4		34.6107	0.0022	00bo46	2.17E+09
68.9 Y 4		34.6107	0.0022	00bo46	2.17E+09
68.9 Y 4		34.6107	0.0022	00BO46	2.17E+09
1.592E+5 Y 2		36.92	0.0027	Work04	5.02E+12
1.592E+5 Y 2		36.92	0.0027	Work04	5.02E+12
2.455E+5 Y 6	0.0054% 5	38.1466	0.0018	940408	7.75E+12
2.455E+5 Y 6		38.1466	0.0018	940408	7.75E+12
2.455E+5 Y 6		38.1466	0.0018	940408	7.75E+12
2.455E+5 Y 6		38.1466	0.0018	940408	7.75E+12
7.04E+8 Y 1	0.7204% 6	40.9205	0.0018	200305	2.22E+16
7.04E+8 Y 1		40.9205	0.0018	200305	2.22E+16
7.04E+8 Y 1		40.9205	0.0018	200305	2.22E+16
7.04E+8 Y 1		40.9205	0.0018	200305	2.22E+16
26 M AP		40.9206	0.0018	200305	1.56E+03
2.342E7 Y 3		42.4463	0.0018	910807	7.39E+14
2.342E7 Y 3		42.4463	0.0018	910807	7.39E+14
2.342E7 Y 3		42.4463	0.0018	94TR12	7.39E+14
121 NS 2		42.4463	0.0018	89MA54	1.21E-07
120 NS 2		45.1963	0.0018	910807	1.20E-07
120 NS 2		45.1963	0.0018	910807	1.20E-07

120 NS 2		45.1963	0.0018	910807	1.20E-07
6.75 D 1		45.3919	0.0019	950526	5.83E+05
4.468E9 Y 3	99.2742%	47.3089	0.0019	200211	1.41E+17
4.468E9 Y 3		47.3089	0.0019	200211	1.41E+17
23.45 M 2		50.5739	0.0019	200305	1.41E+03
14.1 H 1		52.7151	0.0052	200412	5.08E+04
5 M AP		56.197	0.2980 S	NUBASE	3.00E+02
16.8 M 5		58.62	0.2010 S	200206	1.01E+03
2 US GT		31.5906	0.0719	971209	2.00E-06
35 MS 10		32.738	0.0880 S	960405	3.50E-02
0.51 S 6		32.562	0.0725	200110	5.10E-01
61.4 S 14		33.701	0.1960 S	970424	6.14E+01
61.4 S 14		33.701	0.1960 S	970424	6.14E+01
4.0 M 4		33.7795	0.0868	04SA05	2.40E+02
4.0 M 4		33.7795	0.0868	04SA05	2.40E+02
4.6 M 3		35.2362	0.0513	930708	2.76E+02
4.6 M 3		35.2362	0.0513	930708	2.76E+02
48.8 M 2		35.6251	0.0506	200110	2.93E+03
48.8 M 2		35.6251	0.0506	200110	2.93E+03
14.7 M 3		37.361	0.1000 S	910807	8.82E+02
36.2 M 1		37.9496	0.0509	Work04	2.17E+03
36.2 M 1		37.9496	0.0509	Work04	2.17E+03
4.4 D 1		39.9565	0.0085	940408	3.80E+05
396.1 D 12		41.0447	0.002	200305	3.42E+07
396.1 D 12		41.0447	0.002	200305	3.42E+07
154E+3 Y 6		43.3793	0.0504	910807	4.86E+12
154E+3 Y 6		43.3793	0.0504	910807	4.86E+12
154E+3 Y 6		43.3793	0.0504	910807	4.86E+12
22.5 H 4		43.4393	0.0504	910807	8.10E+04
22.5 H 4		43.4393	0.0504	910807	8.10E+04
2.144E+6 Y 7		44.8733	0.0018	950526	6.77E+13
2.144E+6 Y 7		44.8733	0.0018	950526	6.77E+13
45 NS 5		47.6733	0.0018	950526	4.50E-08
2.117 D 2		47.4563	0.0018	200211	1.83E+05
2.356 D 3		49.3124	0.0021	200305	2.04E+05
61.9 M 2		52.3147	0.0151	200412	3.71E+03
7.22 M 2		52.3147	0.0151	200412	4.33E+02
7.22 M 2		52.3147	0.0151	200412	4.33E+02
13.9 M 2		54.2618	0.0707	940816	8.34E+02
2.2 M 2		57.4184	0.2	200206	1.32E+02
5.5 M 1		57.4184	0.2	200206	3.30E+02
1.85 M 15		59.875	0.0320 S	200412	1.11E+02
2.29 M 16		63.202	0.2980 S	200306	1.37E+02
1.1 S +20-5		36.0882	0.0325	03NI10	1.10E+00
2 US GT		37.3997	0.0513	971209	2.00E-06
1.70 M 17		36.9336	0.0151	T NUB03	1.02E+02
1.70 M 17		36.9336	0.0151	99GR28	1.02E+02
8.6 M 5		38.2854	0.0264	200110	5.16E+02
8.6 M 5		38.2854	0.0264	200110	5.16E+02
33.1 M 8		38.3655	0.0181	00la25	1.99E+03
33.1 M 8		38.3655	0.0181	00la25	1.99E+03
20.9 M 4		40.0518	0.0504	Work04	1.25E+03

20.9 M 4	40.0518	0.0504	Work04	1.25E+03
8.8 H 1	40.3496	0.007	940408	3.17E+04
8.8 H 1	40.3496	0.007	940408	3.17E+04
25.3 M 5	42.1837	0.0206	200305	1.52E+03
25.3 M 5	42.1837	0.0206	200305	1.52E+03
25 NS 5	45.1837	0.0206	200305	2.50E-08
2.858 Y 8	42.9027	0.0022	910807	9.02E+07
2.858 Y 8	42.9027	0.0022	910807	9.02E+07
45.2 D 1	45.0933	0.0022	950526	3.91E+06
45.2 D 1	45.0933	0.0022	950526	3.91E+06
0.18 S 2	45.2393	0.0022	950526	1.80E-01
85 NS 15	47.6933	0.0022	950526	8.50E-08
1.1 US 1	47.9933	0.0022	950526	1.10E-06
87.7 Y 1	46.1647	0.0018	200211	2.77E+09
87.7 Y 1	46.1647	0.0018	200211	2.77E+09
24110 Y 30	48.5899	0.0018	200305	7.61E+11
24110 Y 30	48.5899	0.0018	200305	7.61E+11
7.5 US 10	51.6899	0.0018	200305	7.50E-06
2.6 NS +40-12	51.8929	0.0018	200305	2.60E-09
6561 Y 7	50.127	0.0018	200412	2.07E+11
6561 Y 7	50.127	0.0018	200412	2.07E+11
3.6 NS 2	50.127	0.0018	200412	3.60E-09
14.290 Y 6	52.9568	0.0018	97DEZY	4.51E+08
14.290 Y 6	52.9568	0.0018	97DEZY	4.51E+08
14.290 Y 6	52.9568	0.0018	97DEZY	4.51E+08
32 NS 5	55.1568	0.0018	961121	3.20E-08
21 US 3	55.1568	0.0018	961121	2.10E-05
3.75E+5 Y 2	54.7184	0.0019	200206	1.18E+13
3.75E+5 Y 2	54.7184	0.0019	200206	1.18E+13
3.5 NS 6	56.7184	0.0019	200206	3.50E-09
28 NS	56.7184	0.0019	200206	2.80E-08
4.956 H 3	57.7555	0.0032	200412	1.78E+04
45 NS 15	59.4555	0.0032	200412	4.50E-08
8.00E+7 Y 9	59.8056	0.0051	200306	2.52E+15
8.00E+7 Y 9	59.8056	0.0051	200306	2.52E+15
380 PS 80	62.2056	0.0051	200306	3.80E-10
10.5 H 1	63.1061	0.0144	931013	3.78E+04
10.84 D 2	65.3952	0.0153	199809	9.37E+05
2.27 D 23	68.996	0.2980	S 200408	1.96E+05
10 S AP	42.439	0.2980	S NUBASE	1.00E+01
10 S AP	42.439	0.2980	S NUBASE	1.00E+01
79 S 2	43.398	0.2980	S 910807	7.90E+01
79 S 2	43.398	0.2980	S 910807	7.90E+01
3.2 M 8	43.173	0.1020	S Work04	1.92E+02
3.2 M 8	43.173	0.1020	S Work04	1.92E+02
2.32 M 8	44.534	0.2070	S 940408	1.39E+02
2.32 M 8	44.534	0.2070	S 940408	1.39E+02
10.3 M 6	44.662	0.1200	S 04SA05	6.18E+02
10.3 M 6	44.662	0.1200	S 04SA05	6.18E+02
3.6 M 1	46.183	0.1000	S 04SA05	2.16E+02
3.6 M 1	46.183	0.1000	S 04SA05	2.16E+02
0.6 Y 2	46.183	0.1000	S 01MA74	1.89E+07

73.0 M 10	46.571	0.0590 S	950526	4.38E+03
73.0 M 10	46.571	0.0590 S	950526	4.38E+03
5 NS 2	48.971	0.0590 S	950526	5.00E-09
98 M 2	48.4231	0.0507	200211	5.88E+03
98 M 2	48.4231	0.0507	200211	5.88E+03
3.8 Y 10	48.4231	0.0507	01MA74	1.20E+08
11.9 H 1	49.392	0.0024	200305	4.28E+04
11.9 H 1	49.392	0.0024	200305	4.28E+04
163 NS 12	51.892	0.0024	200305	1.63E-07
50.8 H 3	51.5118	0.0139	200412	1.83E+05
50.8 H 3	51.5118	0.0139	200412	1.83E+05
0.94 MS 4	54.5118	0.0139	200412	9.40E-04
432.2 Y 7	52.936	0.0018	940816	1.36E+10
432.2 Y 7	52.936	0.0018	940816	1.36E+10
1.2 US 3	55.136	0.0018	940816	1.20E-06
16.02 H 2	55.4697	0.0018	200206	5.77E+04
16.02 H 2	55.4697	0.0018	200206	5.77E+04
141 Y 2	55.5183	0.0018	200206	4.45E+09
141 Y 2	55.5183	0.0018	200206	4.45E+09
141 Y 2	55.5183	0.0018	200206	4.45E+09
14.0 MS 10	57.6697	0.0018	200206	1.40E-02
14.0 MS 10	57.6697	0.0018	200206	1.40E-02
14.0 MS 10	57.6697	0.0018	200206	1.40E-02
7370 Y 40	57.1761	0.0023	200412	2.33E+11
7370 Y 40	57.1761	0.0023	200412	2.33E+11
5.5 US 5	59.4761	0.0023	200412	5.50E-06
10.1 H 1	59.881	0.0021	200306	3.64E+04
6.5 US AP	59.881	0.0021	200306	6.50E-06
0.90 MS 15	59.881	0.0021	200306	9.00E-04
26 M 1	59.9671	0.0021	200306	1.56E+03
26 M 1	59.9671	0.0021	200306	1.56E+03
2.05 H 1	61.8997	0.0035	931013	7.38E+03
39 M 3	64.9946	0.0182	199809	2.34E+03
25.0 M 2	64.9946	0.0182	199809	1.50E+03
25.0 M 2	64.9946	0.0182	199809	1.50E+03
73 US 10	66.9946	0.0182	199809	7.30E-05
23.0 M 13	67.154	0.1000 S	200408	1.38E+03
10 M AP	70.562	0.2000 S	900207	6.00E+02
2 M AP	73.104	0.2980 S	NUBASE	1.20E+02
1 M ?	0	0	HOFF95	6.00E+01
	47.2931	0.0717	Work04	0.00E+00
	47.2931	0.0717	Work04	0.00E+00
2 M AP	46.7236	0.0182	NUBASE	1.20E+02
2 M AP	46.7236	0.0182	NUBASE	1.20E+02
5 M SY	47.91	0.2020 S	200305	3.00E+02
5 M SY	47.91	0.2020 S	200305	3.00E+02
10 M AP	47.89	0.2010 S	910807	6.00E+02
10 M AP	47.89	0.2010 S	910807	6.00E+02
20 M AP	49.277	0.2060 S	950526	1.20E+03
20 M AP	49.277	0.2060 S	950526	1.20E+03
2.4 H 1	49.3959	0.0366	200211	8.64E+03
2.4 H 1	49.3959	0.0366	200211	8.64E+03

2.9 H AP	51.192	0.1000	S	200305	1.04E+04
2.9 H AP	51.192	0.1000	S	200305	1.04E+04
27 D 1	51.7254	0.0023		200412	2.33E+06
27 D 1	51.7254	0.0023		200412	2.33E+06
27 D 1	51.7254	0.0023		200412	2.33E+06
10 PS 3	53.7254	0.0023		200412	1.00E-11
55 NS 12	54.7254	0.0023		200412	5.50E-08
32.8 D 2	53.7034	0.0022		940816	2.83E+06
32.8 D 2	53.7034	0.0022		940816	2.83E+06
162.8 D 2	54.8052	0.0018		200206	1.41E+07
162.8 D 2	54.8052	0.0018		200206	1.41E+07
162.8 D 2	54.8052	0.0018		200206	1.41E+07
40 PS 15	54.8052	0.0018		200206	4.00E-11
180 NS 70	57.6052	0.0018		200206	1.80E-07
180 NS 70	57.6052	0.0018		200206	1.80E-07
29.1 Y 1	57.1836	0.0021		200412	9.18E+08
29.1 Y 1	57.1836	0.0021		200412	9.18E+08
29.1 Y 1	57.1836	0.0021		200412	9.18E+08
42 NS 6	59.0836	0.0021		200412	4.20E-08
18.1 Y 1	58.4537	0.0018		200306	5.71E+08
18.1 Y 1	58.4537	0.0018		200306	5.71E+08
500 NS GT	58.4537	0.0018		200306	5.00E-07
34 MS 2	59.4939	0.0018		200306	3.40E-02
8500 Y 100	61.0047	0.0021		931013	2.68E+11
8500 Y 100	61.0047	0.0021		931013	2.68E+11
4760 Y 40	62.6184	0.0021		199809	1.50E+11
4760 Y 40	62.6184	0.0021		199809	1.50E+11
1.56E+7 Y 5	65.5339	0.0044		200408	4.92E+14
3.48E+5 Y 6	67.3922	0.0051		199908	1.10E+13
3.48E+5 Y 6	67.3922	0.0051		199908	1.10E+13
64.15 M 3	70.7501	0.0051		199910	3.85E+03
8.3E+3 Y AP	72.989	0.0112		200112	2.62E+11
8.3E+3 Y AP	72.989	0.0112		200112	2.62E+11
8.3E+3 Y AP	72.989	0.0112		200112	2.62E+11
16.8 M 2	76.6476	0.0228		199910	1.01E+03
2 D LT	79.056	0.2980	S	199908	1.73E+05
20 S AP	52.704	0.4010	S	NUBASE	2.00E+01
20 S AP	52.704	0.4010	S	NUBASE	2.00E+01
42 S AP	53.403	0.4010	S	01MA74	4.20E+01
42 S AP	53.403	0.4010	S	01MA74	4.20E+01
30 D GE	46.183	0.1000	S	01MA74	2.59E+06
1 M AP	53.098	0.2240	S		6.00E+01
1 M AP	53.098	0.2240	S		6.00E+01
144 S 5	54.288	0.2880	S	200211	1.44E+02
144 S 5	54.288	0.2880	S	199707	1.44E+02
4.8 M 8	55.665	0.1500	S	200412	2.88E+02
4.8 M 8	55.665	0.1500	S	200412	2.88E+02
3 M AP	56.103	0.2000	S	940816	1.80E+02
3 M AP	56.103	0.2000	S	940816	1.80E+02
7.0 M 13	57.735	0.2000	S	200206	4.20E+02
9.5 NS 20	57.735	0.2000	S	200206	9.50E-09
600 NS 100	57.735	0.2000	S	200206	6.00E-07

4.5 H 2	58.6912	0.0047	200412	1.62E+04
4.5 H 2	58.6912	0.0047	200412	1.62E+04
5 NS	60.8912	0.0047	200412	5.00E-09
4.35 H 15	60.7155	0.0145	200306	1.57E+04
4.35 H 15	60.7155	0.0145	200306	1.57E+04
820 NS 60	60.7155	0.0145	200306	8.20E-07
4.94 D 3	61.8154	0.0023	931013	4.27E+05
4.94 D 3	61.8154	0.0023	931013	4.27E+05
1.80 D 2	63.9684	0.06	199809	1.56E+05
1.80 D 2	63.9684	0.06	199809	1.56E+05
1380 Y 250	65.4906	0.0055	200408	4.35E+10
9 Y GT	68.08	0.0710 S	199908	2.84E+08
23.7 H 2	68.08	0.0710 S	199908	8.53E+04
23.7 H 2	68.08	0.0710 S	199908	8.53E+04
330 D 4	69.8496	0.0026	199910	2.85E+07
330 D 4	69.8496	0.0026	199910	2.85E+07
330 D 4	69.8496	0.0026	199910	2.85E+07
3.212 H 5	72.9514	0.004	200112	1.16E+04
55.6 M 11	75.2276	0.011	199910	3.34E+03
2 M AP	78.534	0.2000 S	199908	1.20E+02
2 M AP	78.534	0.2000 S	199908	1.20E+02
10 M AP	80.929	0.3590 S	NUBASE	6.00E+02
2 M AP	84.393	0.2980 S	NUBASE	1.20E+02
2.1 S 3	57.818	0.5030 S	980107	2.10E+00
2.1 S 3	57.818	0.5030 S	980107	2.10E+00
21 MS 2	57.203	0.4010 S	200211	2.10E-02
39 S +37-12	58.145	0.2090 S	200305	3.90E+01
39 S +37-12	58.145	0.2090 S	200305	3.90E+01
0.96 M 15	58.034	0.2010 S	200412	5.76E+01
0.96 M 15	58.034	0.2010 S	200412	5.76E+01
0.96 M 15	58.034	0.2010 S	200412	5.76E+01
3.78 M 70	59.361	0.2550 S	940816	2.27E+02
3.78 M 70	59.361	0.2550 S	940816	2.27E+02
3.7 M 5	59.3376	0.0369	200206	2.22E+02
3.7 M 5	59.3376	0.0369	200206	2.22E+02
3.7 M 5	59.3376	0.0369	200206	2.22E+02
10.7 M 5	60.945	0.1420 S	200412	6.42E+02
10.7 M 5	60.945	0.1420 S	200412	6.42E+02
19.4 M 6	61.4792	0.0029	200306	1.16E+03
45.0 M 15	63.3869	0.0029	04HE28	9.27E+04
45.0 M 15	63.3869	0.0029	04HE28	9.27E+04
35.7 H 5	64.0917	0.0021	199809	1.29E+05
35.7 H 5	64.0917	0.0021	199809	1.29E+05
35.7 H 5	64.0917	0.0021	199809	1.29E+05
45 NS 10	66.5917	0.0021	199809	4.50E-08
3.11 H 3	66.1366	0.0081	200408	1.12E+04
3.11 H 3	66.1366	0.0081	200408	1.12E+04
333.5 D 28	67.2398	0.0053	199908	2.88E+07
333.5 D 28	67.2398	0.0053	199908	2.88E+07
351 Y 2	69.7256	0.0022	199910	1.11E+10
351 Y 2	69.7256	0.0022	199910	1.11E+10
13.08 Y 9	71.1718	0.0021	200112	4.13E+08

13.08 Y 9	71.1718	0.0021	200112	4.13E+08
898 Y 44	74.1346	0.0045	199910	2.83E+10
898 Y 44	74.1346	0.0045	199910	2.83E+10
2.645 Y 8	76.034	0.0051	199908	8.35E+07
2.645 Y 8	76.034	0.0051	199908	8.35E+07
17.81 D 8	79.301	0.0062	199910	1.54E+06
17.81 D 8	79.301	0.0062	199910	1.54E+06
60.5 D 2	81.3408	0.0123	200112	5.23E+06
60.5 D 2	81.3408	0.0123	200112	5.23E+06
85 M 18	84.809	0.2000 S	199910	5.10E+03
12.3 M 12	87.039	0.2980 S	199908	7.38E+02
12.3 M 12	87.039	0.2980 S	900208	7.38E+02
12.3 M 12	87.039	0.2980 S	900208	7.38E+02
1 S SY	64.199	0.4010 S	NUBASE	1.00E+00
1 S SY	64.199	0.4010 S	NUBASE	1.00E+00
8 S +6-5	63.843	0.2270 S	199712	8.00E+00
13.5 S 25	64.967	0.3260 S	200206	1.35E+01
13.5 S 25	64.967	0.3260 S	200206	1.35E+01
21 S 2	64.783	0.2340 S	200412	2.10E+01
21 S 2	64.783	0.2340 S	200412	2.10E+01
37 S 4	66.027	0.1810 S	200306	3.70E+01
37 S 4	66.027	0.1810 S	200306	3.70E+01
1.1 M 1	66.438	0.2000 S	931013	6.60E+01
1.1 M 1	66.438	0.2000 S	931013	6.60E+01
7.7 M 5	67.902	0.2240 S	199809	4.62E+02
7.7 M 5	67.902	0.2240 S	199809	4.62E+02
7.7 M 5	67.902	0.2240 S	199809	4.62E+02
4.55 M 26	68.61	0.0300 S	200408	2.73E+02
4.55 M 26	68.61	0.0300 S	200408	2.73E+02
625 D 84	68.61	0.0300 S	01MA74	5.40E+07
27 M 5	70.301	0.0520 S	199908	1.62E+03
27 M 5	70.301	0.0520 S	199908	1.62E+03
102.2 M 6	71.176	0.0300 S	199910	6.13E+03
102.2 M 6	71.176	0.0300 S	199910	6.13E+03
8.6 H 1	73.227	0.1000 S	200112	3.10E+04
8.6 H 1	73.227	0.1000 S	200112	3.10E+04
2.22 H 5	73.227	0.1000 S	200112	7.99E+03
33 H 1	74.5122	0.0061	199910	1.19E+05
33 H 1	74.5122	0.0061	199910	1.19E+05
471.7 D 19	77.294	0.0503	199908	4.08E+07
471.7 D 19	77.294	0.0503	199908	4.08E+07
471.7 D 19	77.294	0.0503	900207	4.08E+07
20.47 D 3	79.0137	0.0026	199910	1.77E+06
20.47 D 3	79.0137	0.0026	199910	1.77E+06
275.7 D 5	81.992	0.0042	200112	2.38E+07
275.7 D 5	81.992	0.0042	200112	2.38E+07
275.7 D 5	81.992	0.0042	200112	2.38E+07
275.7 D 5	81.992	0.0042	200112	2.38E+07
39.3 H 2	82.072	0.0042	200112	1.41E+05
39.3 H 2	82.072	0.0042	200112	1.41E+05
39.3 H 2	82.072	0.0042	200112	1.41E+05
39.3 H 2	82.072	0.0042	200112	1.41E+05

39.3 H 2	82.072	0.0042	200112	1.41E+05
39.8 D 12	84.0889	0.011	199910	3.44E+06
39.8 D 12	84.0889	0.011	199910	3.44E+06
39.8 D 12	84.0889	0.011	199910	3.44E+06
25.4 M 24	87.186	0.1000 S	199908	1.52E+03
7.6 H	87.186	0.1000 S	199908	2.74E+04
7.7 D 2	89.403	0.4110 S	199910	6.65E+05
7.7 D 2	89.403	0.4110 S	199910	6.65E+05
3 M SY	92.702	0.2980 S	NUBASE	1.80E+02
3 M SY	92.702	0.2980 S	NUBASE	1.80E+02
0.8 MS 2	68.4	0.4010 S	200206	8.00E-04
0.18 S +8-4	69.259	0.2150 S	200412	1.80E-01
3.3 MS 5	69.009	0.2840 S	200306	3.30E-03
4.2 S 13	70.221	0.2750 S	931013	4.20E+00
4.2 S 13	70.221	0.2750 S	HOFF95	4.20E+00
1.1 S 2	70.1406	0.0387	199809	1.10E+00
1.1 S 2	70.1406	0.0387	199809	1.10E+00
1.1 S 2	70.1406	0.0387	199809	1.10E+00
29 S 1	71.583	0.1430 S	04HE28	2.90E+01
29 S 1	71.583	0.1430 S	04HE28	2.90E+01
4.3 S 4	71.583	0.1430 S	04HE28	4.30E+00
36 S 2	71.9064	0.0117	199908	3.60E+01
36 S 2	71.9064	0.0117	199908	3.60E+01
36 S 2	71.9064	0.0117	199908	3.60E+01
2.6 M 7	73.619	0.1010 S	199910	1.56E+02
2.6 M 7	73.619	0.1010 S	199910	1.56E+02
30 M 3	74.0736	0.0119	04HE28	1.80E+03
30 M 3	74.0736	0.0119	200112	1.80E+03
30 M 3	74.0736	0.0119	200112	1.80E+03
1.8 S 1	74.0736	0.0119	200112	1.80E+00
1.8 S 1	74.0736	0.0119	200112	1.80E+00
1.8 S 1	74.0736	0.0119	200112	1.80E+00
1.8 S 1	74.0736	0.0119	200112	1.80E+00
5.30 H 8	75.9866	0.0084	199910	1.91E+04
5.30 H 8	75.9866	0.0084	199910	1.91E+04
25.39 H 4	76.8174	0.0057	199908	9.14E+04
25.39 H 4	76.8174	0.0057	199908	9.14E+04
3.00 D 12	79.3495	0.0037	199910	2.59E+05
3.00 D 12	79.3495	0.0037	199910	2.59E+05
3.240 H 2	80.9042	0.0028	200112	1.17E+04
3.240 H 2	80.9042	0.0028	200112	1.17E+04
20.07 H 7	83.7992	0.0048	199910	7.23E+04
20.07 H 7	83.7992	0.0048	199910	7.23E+04
157.6 M 13	85.4861	0.0072	199908	9.46E+03
157.6 M 13	85.4861	0.0072	199908	9.46E+03
100.5 D 2	88.5895	0.0063	199910	8.68E+06
100.5 D 2	88.5895	0.0063	199910	8.68E+06
370 US 43	90.426	0.2000 S	200112	3.70E-04
1.5 S 3	93.704	0.2830 S	199910	1.50E+00
4 MS AP	95.644	0.4990 S	HOFF95	4.00E-03
0.90 MS 25	75.292	0.3230 S	199712	9.00E-04
0.90 MS 25	75.292	0.3230 S	199712	9.00E-04

0.35 S +23-16		75.592	0.3230 S	199712	3.50E-01
0.35 S +23-16		75.592	0.3230 S	199712	3.50E-01
1.0 S 4		76.276	0.3290 S	199809	1.00E+00
1.0 S 4		76.276	0.3290 S	199809	1.00E+00
1.0 S 4		76.276	0.3290 S	199809	1.00E+00
1.12 S 22		76.043	0.3240 S	200408	1.12E+00
7 S 3		77.149	0.2370 S	199908	7.00E+00
7 S 3		77.149	0.2370 S	199908	7.00E+00
7 S 3		77.149	0.2370 S	HOFF95	7.00E+00
24 S 4		77.326	0.2240 S	199910	2.40E+01
24 S 4		77.326	0.2240 S	199910	2.40E+01
52 S 6		78.636	0.3010 S	200112	5.20E+01
52 S 6		78.636	0.3010 S	200112	5.20E+01
4.0 M 5		79.027	0.2030 S	199910	2.40E+02
4.0 M 5		79.027	0.2030 S	199910	2.40E+02
2.3 M 8		80.63	0.1960 S	199908	1.38E+02
6 M +12-3		81.301	0.2050 S	199910	3.60E+02
6 M +12-3		81.301	0.2050 S	199910	3.60E+02
10 M 3		83.514	0.1000 S	200112	6.00E+02
28 M 8		83.514	0.1000 S	200112	1.68E+03
27 M 2		84.843	0.0066	199910	1.62E+03
27 M 2		84.843	0.0066	199910	1.62E+03
27 M 2		84.843	0.0066	199910	1.62E+03
77 M 2		87.6154	0.0528	199908	4.62E+03
77 M 2		87.6154	0.0528	199908	4.62E+03
77 M 2		87.6154	0.0528	199908	4.62E+03
5.52 H 5		88.9962	0.0028	199910	1.99E+04
5.52 H 5		88.9962	0.0028	199910	1.99E+04
5.52 H 5		88.9962	0.0028	199910	1.99E+04
51.5 D 3		91.6882	0.0046	200112	4.45E+06
51.5 D 3		91.6882	0.0046	200112	4.45E+06
57.0 M 9		91.6882	0.0046	200112	3.42E+03
57.0 M 9		91.6882	0.0046	200112	3.42E+03
96 M 3		93.624	0.2000 S	199910	5.76E+03
96 M 3		93.624	0.2000 S	199910	5.76E+03
31.8 D 5		96.551	0.3160 S	199908	2.75E+06
31.8 D 5		96.551	0.3160 S	199908	2.75E+06
31.8 D 5		96.551	0.3160 S	199908	2.75E+06
31.8 D 5		96.551	0.3160 S	199908	2.75E+06
40 M SY		98.478	0.6470 S	NUBASE	2.40E+03
3 M SY	1	1.407	0.5820 S	NUBASE	1.80E+02
3 M SY	1	1.407	0.5820 S	NUBASE	1.80E+02
2 US LT		80.664	0.3010 S	03BE18	2.00E-06
54 US +15-10		81.816	0.3400 S	03PO08	5.40E-05
6 US 1		81.516	0.2040 S	03PO08	6.00E-06
6 US 1		81.516	0.2040 S	200112	6.00E-06
6 US 1		81.516	0.2040 S	200112	6.00E-06
0.78 S 2		82.914	0.1750 S	04He28	7.80E-01
0.78 S 2		82.914	0.1750 S	04He28	7.80E-01
0.78 S 2		82.914	0.1750 S	04He28	7.80E-01
0.93 S 6		83.001	0.1750 S	04He28	9.30E-01
2.27 S 14		82.8811	0.013	199908	2.27E+00

2.27 S 14		82.8811	0.013	199908	2.27E+00
2.27 S 14		82.8811	0.013	199908	2.27E+00
26 D 7		82.8811	0.013	01MA74	2.25E+06
1.62 M 15		84.466	0.1020 S	199910	9.72E+01
1.62 M 15		84.466	0.1020 S	199910	9.72E+01
51 S 10		84.7243	0.0176	200112	5.10E+01
51 S 10		84.7243	0.0176	200112	5.10E+01
51 S 10		84.7243	0.0176	200112	5.10E+01
0.28 S 4		84.7243	0.0176	200112	2.80E-01
3.1 M 2		86.8536	0.0103	199910	1.86E+02
3.1 M 2		86.8536	0.0103	199910	1.86E+02
2.91 S 5		87.8237	0.0079	199908	2.91E+00
2.91 S 5		87.8237	0.0079	199908	2.91E+00
25 S 3		90.2405	0.0217	00la34	2.50E+01
25 S 3		90.2405	0.0217	00la34	2.50E+01
1.2 MS 2		91.479	0.2000 S	200112	1.20E-03
58 M 5		94.109	0.1000 S	199910	3.48E+03
58 M 5		94.109	0.1000 S	199910	3.48E+03
58 M 5		94.109	0.1000 S	199910	3.48E+03
106 MS 8		95.611	0.2000 S	199908	1.06E-01
		98.504	0.3000 S	NUBASE	0.00E+00
		98.504	0.3000 S	NUBASE	0.00E+00
5 MS AP		99.951	0.4470 S	200112	5.00E-03
20 M SY	1	2.979	0.4900 S	NUBASE	1.20E+03
20 M SY	1	2.979	0.4900 S	NUBASE	1.20E+03
1 M SY	1	4.649	0.6390 S	NUBASE	6.00E+01
		87.896	0.2980 S	NUBASE	0.00E+00
		87.896	0.2980 S	NUBASE	0.00E+00
0.36 S +11-7		88.837	0.2480 S	99HE11	3.60E-01
0.36 S +11-7		88.837	0.2480 S	99HE11	3.60E-01
0.36 S +11-7		88.837	0.2480 S	99HE11	3.60E-01
0.57 S +7-6		88.687	0.2240 S	199910	5.70E-01
0.57 S +7-6		88.687	0.2240 S	199910	5.70E-01
1.5 S +3-2		88.687	0.2240 S	199910	1.50E+00
1.5 S +3-2		88.687	0.2240 S	199910	1.50E+00
13 S 3		89.847	0.3360 S	200112	1.30E+01
13 S 3		89.847	0.3360 S	200112	1.30E+01
22 S 4		90.057	0.2060 S	199910	2.20E+01
22 S 4		90.057	0.2060 S	199910	2.20E+01
22 S 4		90.057	0.2060 S	199910	2.20E+01
27 S 3		91.872	0.2200 S	199908	2.70E+01
27 S 3		91.872	0.2200 S	199908	2.70E+01
27 S 3		91.872	0.2200 S	199908	2.70E+01
0.646 S 25		92.735	0.2070 S	199910	6.46E-01
0.646 S 25		92.735	0.2070 S	199910	6.46E-01
4.1 S 3		94.839	0.1020 S	200112	4.10E+00
4.1 S 3		94.839	0.1020 S	200112	4.10E+00
6.2 S 3		95.852	0.0710 S	199910	6.20E+00
6.2 S 3		95.852	0.0710 S	199910	6.20E+00
180 S 30		98.276	0.1150 S	199908	1.80E+02
180 S 30		98.276	0.1150 S	199908	1.80E+02
180 S 30		98.276	0.1150 S	900208	1.80E+02

39 M 12		99.561	0.2000	S	199910	2.34E+03
4 H AP	1	2.123	0.2000	S	200112	1.44E+04
4 H AP	1	2.123	0.2000	S	200112	1.44E+04
4 H AP	1	2.123	0.2000	S	200112	1.44E+04
5 H SY	1	3.669	0.3610	S	NUBASE	1.80E+04
10 H SY	1	6.226	0.4360	S	NUBASE	3.60E+04
10 H SY	1	6.226	0.4360	S	NUBASE	3.60E+04
10 H SY	1	7.903	0.7130	S	NUBASE	3.60E+04
10 H SY	1	7.903	0.7130	S	NUBASE	3.60E+04
1 H SY	1	11.132	0.6550	S	NUBASE	3.60E+03
1 H SY	1	11.132	0.6550	S	NUBASE	3.60E+03
48 US +17-10		93.791	0.4530	S	199910	4.80E-05
48 US +17-10		93.791	0.4530	S	199910	4.80E-05
1.8 S AP		93.791	0.4530	S	199910	1.80E+00
1.8 S AP		93.791	0.4530	S	199910	1.80E+00
23 US 3		93.32	0.2850	S	200112	2.30E-05
1.64 S 11		94.397	0.1750	S	01HE35	1.64E+00
1.64 S 11		94.397	0.1750	S	01HE35	1.64E+00
0.8 S +5-2		94.397	0.1750	S	199910	8.00E-01
6.4 MS 2		94.2357	0.0241		199908	6.40E-03
6.4 MS 2		94.2357	0.0241		199908	6.40E-03
4.7 S 3		95.934	0.1030	S	199910	4.70E+00
4.7 S 3		95.934	0.1030	S	199910	4.70E+00
4.7 S 3		95.934	0.1030	S	199910	4.70E+00
3.9 S 4		95.934	0.1030	S	199910	3.90E+00
3.9 S 4		95.934	0.1030	S	199910	3.90E+00
3.9 S 4		95.934	0.1030	S	199910	3.90E+00
12 MS 2		96.399	0.2010	S	200112	1.20E-02
12 MS 2		96.399	0.2010	S	200112	1.20E-02
3.2 S 6		98.4	0.0720	S	199910	3.20E+00
3.2 S 6		98.4	0.0720	S	199910	3.20E+00
21 MS 1		99.149	0.2000	S	199908	2.10E-02
21 MS 1		99.149	0.2000	S	199088	2.10E-02
65 S 10	1	1.3154	0.0288		199910	6.50E+01
65 S 10	1	1.3154	0.0288		199910	6.50E+01
65 S 10	1	1.3154	0.0288		199910	6.50E+01
2.3 S 4	1	2.394	0.2830	S	200112	2.30E+00
2.3 S 4	1	2.394	0.2830	S	00La34	2.30E+00
10 M 2	1	4.837	0.1830	S	199910	6.00E+02
10 M 2	1	4.837	0.1830	S	199910	6.00E+02
1 H SY	1	6.176	0.4470	S	NUBASE	3.60E+03
13 H AP	1	8.709	0.4240	S	NUBASE	4.68E+04
10 H SY	1	9.876	0.5390	S	NUBASE	3.60E+04
10 H SY	1	9.876	0.5390	S	NUBASE	3.60E+04
2.3 H +980-17	1	13.2	0.5800	S	work05	8.28E+03
6 H SY	1	15.174	0.7060	S	NUBASE	2.16E+04
6 H SY	1	15.174	0.7060	S	NUBASE	2.16E+04
1.6 S +6-4	1	0.041	0.4230	S	199910	1.60E+00
1.6 S +6-4	1	0.041	0.4230	S	199910	1.60E+00
1.6 S +5-3	1	0.72	0.2910	S	01HE35	1.60E+00
1.6 S +5-3	1	0.72	0.2910	S	01HE35	1.60E+00
1.6 S +5-3	1	0.72	0.2910	S	01HE35	1.60E+00

1.50 S +19-15	1	0.342	0.2250	S	01HE35	1.50E+00
1.50 S +19-15	1	0.342	0.2250	S	01HE35	1.50E+00
0.76 S +15-11	1	0.342	0.2250	S	01HE35	7.60E-01
0.76 S +15-11	1	0.342	0.2250	S	01HE35	7.60E-01
4.0 S 10	1	1.748	0.3440	S	200112	4.00E+00
4.0 S 10	1	1.748	0.3440	S	200112	4.00E+00
4.0 S 10	1	1.748	0.3440	S	200112	4.00E+00
20 S 10	1	1.748	0.3440	S	200112	2.00E+01
0.51 S 16	1	2.101	0.2120	S	01GA20	5.10E-01
1.52 S 13	1	3.676	0.2310	S	199908	1.52E+00
1.52 S 13	1	3.676	0.2310	S	199908	1.52E+00
1.52 S 13	1	3.676	0.2310	S	199908	1.52E+00
1.8 S 4	1	4.379	0.2310	S	199910	1.80E+00
1.8 S 4	1	4.379	0.2310	S	199910	1.80E+00
35 S 5	1	6.269	0.1820	S	200112	3.50E+01
35 S 5	1	6.269	0.1820	S	200112	3.50E+01
27 S +10-7	1	7.111	0.1680	S	199910	2.70E+01
27 S +10-7	1	7.111	0.1680	S	199910	2.70E+01
27 S +10-7	1	7.111	0.1680	S	03KR20	2.70E+01
3 M SY	1	9.361	0.2310	S	NUBASE	1.80E+02
15 M SY	1	10.476	0.2830	S	NUBASE	9.00E+02
20 M SY	1	12.738	0.3610	S	NUBASE	1.20E+03
20 M SY	1	12.738	0.3610	S	NUBASE	1.20E+03
73 M +350-33	1	13.99	0.4700	S	work05	4.38E+03
32 H +11-7	1	16.851	0.5290	S	work05	1.15E+05
3 H SY	1	18.728	0.7740	S	NUBASE	1.08E+04
3 H SY	1	18.728	0.7740	S	NUBASE	1.08E+04
2.9 MS +13-7	1	5.415	0.4140	S	200112	2.90E-03
2.9 MS +13-7	1	5.415	0.4140	S	971209	2.90E-03
0.48 S +28-13	1	6.656	0.1770	S	199910	4.80E-01
0.48 S +28-13	1	6.656	0.1770	S	199910	4.80E-01
3.6 MS 9	1	6.5835	0.0389		199908	3.60E-03
3.6 MS 9	1	6.5835	0.0389		199908	3.60E-03
0.23 S 6	1	8.162	0.1250	S	199910	2.30E-01
0.23 S 6	1	8.162	0.1250	S	199910	2.30E-01
6.9 MS +38-18	1	8.424	0.2830	S	200112	6.90E-03
6.9 MS +38-18	1	8.424	0.2830	S	200112	6.90E-03
1.0 S 2	1	10.216	0.1240	S	199910	1.00E+00
1.0 S 2	1	10.216	0.1240	S	199910	1.00E+00
0.12 S	1	10.216	0.1240	S	199910	1.20E-01
0.12 S	1	10.216	0.1240	S	199910	1.20E-01
0.4 S SY	1	10.784	0.2830	S	NUBASE	4.00E-01
8 S 3	1	12.8176	0.0577		199910	8.00E+00
8 S 3	1	12.8176	0.0577		199910	8.00E+00
21 S +20-12	1	13.703	0.2850	S	work05	2.10E+01
21 S +20-12	1	13.703	0.2850	S	work05	2.10E+01
30 S SY	1	17	0.5400	S	NUBASE	3.00E+01
30 S SY	1	17	0.5400	S	NUBASE	3.00E+01
10 M SY	1	21.4	0.6200	S	NUBASE	6.00E+02
10 M SY	1	21.4	0.6200	S	NUBASE	6.00E+02
2.4 M +43-10	1	24.329	0.6480	S	work05	1.44E+02
2.4 M +43-10	1	24.329	0.6480	S	work05	1.44E+02

1 H SY	1	25.898	0.7670	S	NUBASE	3.60E+03
1 H SY	1	25.898	0.7670	S	NUBASE	3.60E+03
1 M SY	1	28.751	0.6610	S	NUBASE	6.00E+01
0.3 MS SY	1	13.614	0.5780	S	199908	3.00E-04
12 MS +5-3	1	13.329	0.2300	S	199910	1.20E-02
12 MS +5-3	1	13.329	0.2300	S	199910	1.20E-02
8.0 MS 21	1	14.473	0.3450	S	200112	8.00E-03
102 MS 26	1	14.473	0.3450	S	200112	1.02E-01
0.2 MS SY	1	14.606	0.3670	S	NUBASE	2.00E-04
0.44 S +60-16	1	16.068	0.2760	S	199908	4.40E-01
0.9 S +7-3	1	16.574	0.3790	S	04GA29	9.00E-01
1.7 MS +82-8	1	18.246	0.2010	S	work05	1.70E-03
17 S +14-6	1	18.906	0.2630	S	work05	1.70E+01
40 S SY	1	25.92	0.5600	S	work05	4.00E+01
10 S +12-4	1	28.576	0.6080	S	work05	1.00E+01
90 M SY	1	30.053	0.8300	S	NUBASE	5.40E+03
90 M SY	1	30.053	0.8300	S	NUBASE	5.40E+03
90 M SY	1	32.68	0.7800	S	NUBASE	5.40E+03
90 M SY	1	32.68	0.7800	S	NUBASE	5.40E+03
40 M SY	1	34.368	0.6520	S	NUBASE	2.40E+03
	1	19.751	0.3490	S	199910	0.00E+00
0.8 MS AP	1	19.5991	0.0438		199908	8.00E-04
0.8 MS AP	1	19.5991	0.0438		199908	8.00E-04
2.0 MS +3-2	1	21.173	0.1350	S	199910	2.00E-03
2.0 MS +3-2	1	21.173	0.1350	S	199910	2.00E-03
0.75 MS +17-12	1	21.473	0.1350	S	199910	7.50E-04
0.75 MS +17-12	1	21.473	0.1350	S	199910	7.50E-04
2.3 MS +13-6	1	21.185	0.2840	S	work05	2.30E-03
2.3 MS +13-6	1	21.185	0.2840	S	work05	2.30E-03
52 MS +13-8	1	22.761	0.1030	S	work05	5.20E-02
52 MS +13-8	1	22.761	0.1030	S	work05	5.20E-02
0.80 S +380-37	1	22.761	0.1030	S	work05	8.00E-01
9.7 S +97-33	1	24.872	0.1170	S	work05	9.70E+00
3.6 S +8-14	1	25.426	0.2860	S	work05	3.60E+00
40 S SY	1	28.23	0.3400	S	04OG12	4.00E+01
40 S SY	1	28.23	0.3400	S	04OG12	4.00E+01
40 S SY	1	29.53	0.5800	S	04OG12	4.00E+01
40 S SY	1	29.53	0.5800	S	04OG12	4.00E+01
50 S SY	1	32.26	0.8300	S	NUBASE	5.00E+01
1 M SY	1	33.333	0.6500	S	NUBASE	6.00E+01
1 M SY	1	33.333	0.6500	S	NUBASE	6.00E+01
0.15 S +27-6	1	35.953	0.7140	S	04OG12	1.50E-01
1 H SY	1	37.123	0.8240	S	NUBASE	3.60E+03
1 H SY	1	37.123	0.8240	S	NUBASE	3.60E+03
2 M SY	1	26.824	0.4620	S	NUBASE	1.20E+02
1.7 MS +18-16	1	27.893	0.3450	S	work05	1.70E-03
10 MS SY	1	27.901	0.5430	S	NUBASE	1.00E-02
21 MS +8-5	1	29.224	0.3150	S	work05	2.10E-02
4.96 MS	1	31.021	0.5390	S	work05	4.96E-03
5 S SY	1	31.47	0.5700	S	NUBASE	5.00E+00
10 S SY	1	33.89	0.4800	S	NUBASE	1.00E+01
10 S SY	1	33.89	0.4800	S	NUBASE	1.00E+01

20 S SY	1	34.99	0.5100	S	NUBASE	2.00E+01
20 S SY	1	34.99	0.5100	S	NUBASE	2.00E+01
20 S SY	1	37.39	0.5600	S	NUBASE	2.00E+01
20 S SY	1	37.393	0.5600	S	NUBASE	2.00E+01
9.7 MS +460-44	1	38.463	0.5920	S	04OG03	9.70E-03
0.72 S +87-25	1	40.801	0.6780	S	work05	7.20E-01
6 M SY	1	45.493	0.7180	S	NUBASE	3.60E+02
6 M SY	1	45.493	0.7180	S	NUBASE	3.60E+02
3 US +6-2	1	34.453	0.3660	S	work05	3.00E-06
100 US SY	1	33.944	0.5020	S	NUBASE	1.00E-04
179 US +245-66	1	35.183	0.1370	S	work05	1.79E-04
0.10 MS +14-4	1	34.806	0.2890	S	work05	1.00E-04
0.10 MS +14-4	1	34.806	0.2890	S	work05	1.00E-04
6.0 MS +82-22	1	35.936	0.2890	S	work05	6.00E-03
6.0 MS +82-22	1	35.936	0.2890	S	work05	6.00E-03
1.63 MS +44-29	1	36.056	0.1050	S	work05	1.63E-03
69 MS +56-21	1	36.056	0.1050	S	work05	6.90E-02
69 MS +56-21	1	36.056	0.1050	S	work05	6.90E-02
1 S SY	1	36.293	0.6480	S	NUBASE	1.00E+00
0.17 MS +17-6	1	38.665	0.1270	S	work05	1.70E-04
2 S SY	1	39.253	0.4900	S	NUBASE	2.00E+00
2 S SY	1	39.25	0.4900	S	NUBASE	2.00E+00
2 S SY	1	41.751	0.4510	S	NUBASE	2.00E+00
5 S SY	1	42.551	0.6080	S	NUBASE	5.00E+00
5 S SY	1	42.551	0.6080	S	NUBASE	5.00E+00
5 S SY	1	44.98	0.9600	S	NUBASE	5.00E+00
10 S SY	1	45.75	0.6800	S	NUBASE	1.00E+01
10 S SY	1	45.75	0.6800	S	NUBASE	1.00E+01
0.18 S +5-3	1	47.978	0.7420	S	work05	1.80E-01
0.18 S +5-3	1	47.978	0.7420	S	work05	1.80E-01
11.1 S +50-27	1	50.959	0.7280	S	work05	1.11E+01
3.8 MS +14-8	1	43.091	0.3310	S	work05	3.80E-03
5 MS SY	1	43.154	0.6050	S	NUBASE	5.00E-03
6.4 MS +307-29	1	45.05	0.6200	S	work05	6.40E-03
10 MS SY	1	45.445	0.6920	S	NUBASE	1.00E-02
100 MS SY	1	47.636	0.6270	S	NUBASE	1.00E-01
100 MS SY	1	47.636	0.6270	S	NUBASE	1.00E-01
1 S SY	1	48.591	0.6180	S	NUBASE	1.00E+00
1 S SY	1	48.591	0.6180	S	NUBASE	1.00E+00
1 S SY	1	50.53	0.6300	S	NUBASE	1.00E+00
1 S SY	1	50.53	0.6300	S	NUBASE	1.00E+00
0.17 S +81-8	1	51.338	0.6630	S	work05	1.70E-01
3.6 S +43-13	1	53.206	0.7420	S	work05	3.60E+00
1 M SY	1	54.043	0.9320	S	NUBASE	6.00E+01
1 M SY	1	54.043	0.9320	S	NUBASE	6.00E+01
4 M SY	1	56.012	0.8880	S	NUBASE	2.40E+02
4 M SY	1	56.012	0.8880	S	NUBASE	2.40E+02
10 M SY	1	56.878	0.7780	S	NUBASE	6.00E+02
10 M SY	1	56.878	0.7780	S	NUBASE	6.00E+02
0.69 MS +69-24	1	52.712	0.1300	S	Work05	6.90E-04
10 MS SY	1	53.06	0.5300	S	NUBASE	1.00E-02
10 MS SY	1	53.06	0.5300	S	NUBASE	1.00E-02

0.1 S SY	1	55.136	0.4930 S	NUBASE	1.00E-01
0.1 S SY	1	55.136	0.4930 S	NUBASE	1.00E-01
1 S SY	1	55.596	0.6400 S	NUBASE	1.00E+00
1 S SY	1	55.596	0.6400 S	NUBASE	1.00E+00
0.50 MS +33-14	1	58.135	0.7070 S	work05	5.00E-04
4.0 S +13-7	1	60.023	0.7680 S	work05	4.00E+00
4.0 S +13-7	1	60.023	0.7680 S	work05	4.00E+00
97 MS +31-19	1	60.574	0.8490 S	work05	9.70E-02
29 S +13-7	1	62.177	0.7300 S	work05	2.90E+01
0.24 MS +114-1	1			work05	2.40E-04
100 MS +490-45	1	64.36	0.7300 S	work05	1.00E-01
0.48 S +58-17	1	65.881	0.8000 S	work05	4.80E-01
2 M SY	1	66.488	0.9790 S	NUBASE	1.20E+02
2 M SY	1	66.488	0.9790 S	NUBASE	1.20E+02
5 M SY	1	68.117	0.9370 S	NUBASE	3.00E+02
5 M SY	1	68.117	0.9370 S	NUBASE	3.00E+02
20 M SY	1	68.643	0.8340 S	NUBASE	1.20E+03
20 M SY	1	68.643	0.8340 S	NUBASE	1.20E+03
0.16 MS +7-3	1	71.26	0.7680 S	work05	1.60E-04
0.16 MS +7-3	1	71.26	0.7680 S	work05	1.60E-04
0.51 S +18-10	1	72.884	0.7700 S	work05	5.10E-01
0.8 S +27-16	1	72.968	0.8510 S	work05	8.00E-01
2.6 S +12-7	1	74.449	0.7310 S	work05	2.60E+00
32 MS +155-14	1	78.09	0.7900 S	work05	3.20E-02
87 MS +105-30	1	79.31	0.8500 S	work05	8.70E-02
10 S SY	1	79.513	1.0240 S	NUBASE	1.00E+01
10 S SY	1	79.513	1.0240 S	NUBASE	1.00E+01
10 S SY	1	80.842	0.9840 S	NUBASE	1.00E+01
10 S SY	1	80.842	0.9840 S	NUBASE	1.00E+01
1 M SY	1	81.068	0.8860 S	NUBASE	6.00E+01
1 M SY	1	81.068	0.8860 S	NUBASE	6.00E+01
15 MS +26-6	1	84.985	0.8440 S	work05	1.50E-02
6.3 MS +116-25	1	86.31	0.8440 S	work05	6.30E-03
18.0 MS +16-6	1	86.1	0.8520 S	work05	1.80E-02
61 MS +57-20		0	0	work05	6.10E-02
10 MS SY	1	92.413	0.8830 S	NUBASE	1.00E-02
10 MS SY	1	92.413	0.8830 S	NUBASE	1.00E-02
50 MS SY	1	93.33	0.9430 S	NUBASE	5.00E-02
50 MS SY	1	93.33	0.9430 S	NUBASE	5.00E-02
1.8 MS +84-8		0	0	work05	1.80E-03
1.8 MS +84-8		0	0	work05	1.80E-03