

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) 2002Ga35

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

Parent:  $^{108}\text{In}$ : E=0;  $J^\pi=7^+$ ;  $T_{1/2}=58.0$  min 12;  $Q(\varepsilon)=5157$  36;  $\% \varepsilon + \% \beta^+$  decay=100.0

Parent:  $^{108}\text{In}$ : E=29.75 5;  $J^\pi=2^+$ ;  $T_{1/2}=39.6$  min 7;  $Q(\varepsilon)=5157$  36;  $\% \varepsilon + \% \beta^+$  decay=100.0

In  $^{108}\text{In}$   $\varepsilon$  decay, measured  $E\gamma$ , branchings,  $\gamma\gamma(\theta)$  using OSIRIS spectrometer with nine HPGe detectors, six of which were Compton suppressed.

Corrections made to gamma-ray placements and mixing ratios based based on e-mail replies (Nov. 30, 2002 and Dec. 8, 2002) from the first author (A. Gade) of 2002Ga35.

 $^{108}\text{Cd}$  Levels

3221.9 and 3489.4 levels reported in 2002Ga35 are non-existent; 780.6 $\gamma$  and 984.1 $\gamma$  from these levels, respectively are placed elsewhere in the level scheme (e-mail reply from A. Gade, Dec 8, 2002).

E(level) <sup>†</sup>	$J^\pi$	$T_{1/2}$ <sup>‡</sup>	E(level) <sup>†</sup>	$J^\pi$	E(level) <sup>†</sup>	$J^\pi$	$T_{1/2}$ <sup>‡</sup>
0	0 <sup>+</sup>		2998.12 5		3388.99 6	5 <sup>(+)</sup>	0.21 ps 6
632.99 3	2 <sup>+</sup>		3005.68 6	1	3389.43 11	(3)	
1508.44 3	4 <sup>+</sup>		3028.33 5		3400.51 7		
1601.81 3	2 <sup>+</sup>		3031.70 5	2 <sup>+</sup>	3407.28 7		
1720.63 4	0 <sup>+</sup>		3048.53 6	1 <sup>+</sup>	3407.89 6		
1913.36 4	0 <sup>+</sup>		3057.51 6	7 <sup>-</sup>	3413.05 9	(6 <sup>+</sup> )	
2145.83 3	3 <sup>+</sup>		3059.55 7		3427.97 7		
2162.79 3	2 <sup>+</sup>	0.34 ps 14	3059.83 6	(4,5) <sup>+</sup>	3433.01 8		
2202.17 4	3 <sup>-</sup>		3077.48 5	(4 <sup>+</sup> )	3435.17 11		
2239.33 4	4 <sup>+</sup>		3081.84 5	3 <sup>+</sup>	3436.96 8		
2365.84 3	2 <sup>+</sup>	0.28 ps 6	3092.30 5	(3)	3450.09 5	2 <sup>+</sup> ,3 <sup>+</sup>	
2374.59 4	(0 <sup>+</sup> )		3110.45 8	(8 <sup>+</sup> )	3454.16 4	1 <sup>+</sup>	
2486.35 4	2 <sup>+</sup>		3138.99 6		3459.84 7	5,6	
2541.31 4	6 <sup>+</sup>		3171.23 6	2,3 <sup>+</sup>	3460.58 6		
2555.16 4	3 <sup>(-)</sup>		3174.16 8		3470.03 6	2 <sup>(+)</sup>	
2565.04 4	5 <sup>+</sup>		3181.49 7		3474.98 8	8 <sup>-</sup>	
2601.57 4	5 <sup>-</sup>		3189.58 8	5,6,7	3482.44 11	2	
2620.04 4	2 <sup>+</sup>	83 fs 20	3194.85 6	2 <sup>+</sup>	3485.21 9	9 <sup>-</sup>	
2645.61 4	4 <sup>+</sup>		3203.63 11		3512.26 8		
2678.10 5	1 <sup>-</sup>		3221.65 5	(3,4) <sup>+</sup>	3525.36 6		
2682.73 4	1	0.22 ps 5	3223.79 8	8 <sup>-</sup>	3527.15 11		
2707.06 5	5 <sup>-</sup>		3227.93 8	(2 <sup>+</sup> )	3535.84 11	(3,4) <sup>+</sup>	
2738.71 4	4 <sup>+</sup>	0.37 ps 9	3248.22 7		3539.95 8		0.29 ps 8
2755.04 6	4 <sup>+</sup> ,5 <sup>+</sup>	0.23 ps 7	3249.06 7	7 <sup>-</sup>	3555.04 11	(3 <sup>+</sup> )	
2762.98 4	3 <sup>+</sup>		3259.64 8		3559.64 11		
2790.79 6			3264.93 11	1,2 <sup>+</sup> ,3	3561.18 5	(4,5,6) <sup>+</sup>	
2805.14 5	3		3289.75 6		3566.44 11		
2807.74 5	6 <sup>+</sup>		3292.73 5	1	3571.86 4	2 <sup>+</sup>	
2810.24 6	4 <sup>-</sup>		3294.90 7	3 <sup>+</sup>	3576.21 7		
2816.52 5	2 <sup>+</sup>		3298.54 8		3605.58 11		
2820.19 6	2 <sup>(-)</sup>		3303.55 10		3611.67 7		
2875.90 5	4 <sup>+</sup>		3316.41 7	(3 <sup>+</sup> )	3629.19 8		
2905.81 5	5 <sup>+</sup>		3321.90 6		3633.74 11		
2936.22 11	0 <sup>+</sup> ,1 <sup>+</sup> ,2 <sup>+</sup>		3326.63 11	3,(2 <sup>+</sup> )	3642.12 7		
2975.38 5	6 <sup>-</sup>		3343.99 5	1	3643.22 8		
2976.57 5	4 <sup>+</sup>		3353.35 6		3656.28 7		
2993.16 5	2 <sup>+</sup>		3367.49 5	(5,6 <sup>+</sup> )	3656.44 9	(8 <sup>+</sup> )	
2994.20 5	6 <sup>+</sup>		3384.93 5	2 <sup>+</sup> ,3	3667.07 10	1	

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$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min)  $^{2002}\text{Ga35}$  (continued) $^{108}\text{Cd}$  Levels (continued)

E(level) <sup>†</sup>	J <sup>π</sup>	E(level) <sup>†</sup>	J <sup>π</sup>	E(level) <sup>†</sup>	J <sup>π</sup>	E(level) <sup>†</sup>	J <sup>π</sup>
3674.68 6		3904.06 8		4209.83 5	2 <sup>+</sup>	4525.35 7	
3683.22 11	8 <sup>+</sup>	3946.14 5	(2 <sup>+</sup> )	4224.17 8		4529.10 6	
3683.34 11		3968.27 11		4238.92 4	1 <sup>+</sup>	4584.68 5	1 <sup>+</sup>
3718.45 6		3968.65 11		4239.96 5		4617.13 8	
3724.54 4	2 <sup>+</sup>	3968.99 8		4251.57 7		4640.22 7	
3726.66 11		3984.61 7		4278.67 7		4640.42 6	1 <sup>+</sup> ,(2)
3731.96 11		4008.76 8		4282.32 11		4649.49 6	
3740.37 8		4011.42 8		4293.93 5		4656.40 6	(1 <sup>+</sup> ,3 <sup>+</sup> )
3770.37 8	(7 <sup>+</sup> )	4011.90 5	2 <sup>+</sup> ,(3)	4315.72 7		4663.33 7	
3779.76 8		4016.97 13		4323.50 6	(1 <sup>+</sup> ,3 <sup>+</sup> )	4663.98 8	(2 <sup>+</sup> )
3787.07 11		4028.76 4	2 <sup>+</sup>	4334.38 5		4698.34 5	
3788.92 5	2 <sup>+</sup>	4030.93 6		4345.40 5	1 <sup>+</sup>	4755.53 6	
3811.67 11		4043.80 5	4,5 <sup>+</sup>	4351.98 6	1	4774.90 5	
3814.60 4	1 <sup>+</sup>	4082.87 11		4394.81 5	1 <sup>+</sup>	4811.55 7	1 <sup>+</sup> ,2,3 <sup>+</sup>
3816.28 5	(5 <sup>+</sup> ,6 <sup>+</sup> )	4083.61 11		4400.66 6	(3 <sup>+</sup> ,2 <sup>+</sup> )	4811.77 8	
3827.91 4	1 <sup>+</sup>	4096.17 11		4414.06 8	(1 <sup>+</sup> ,3 <sup>+</sup> )	4849.09 8	
3860.72 8		4109.28 8		4468.51 7		4858.80 6	
3875.77 8		4160.71 7		4471.05 5	1	4864.74 6	
3881.58 8		4179.26 5		4481.35 6	(3 <sup>+</sup> ,1 <sup>+</sup> )	4870.33 8	
3890.72 8		4203.61 4	(1 <sup>+</sup> )	4512.61 6		4914.49 8	

<sup>†</sup> From least-squares fit to  $E\gamma$ 's, assuming uncertainty of 0.1 keV for each  $\gamma$  ray.

<sup>‡</sup> Effective half-life.

 $\gamma(^{108}\text{Cd})$ 

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
632.99	2 <sup>+</sup>	633.0	100	0	0 <sup>+</sup>	E2		
1508.44	4 <sup>+</sup>	875.4	100	632.99	2 <sup>+</sup>	E2(+M3)	$-0.02^\ddagger_3$	$\delta: -0.011\ 34$ in $\varepsilon$ decay.
1601.81	2 <sup>+</sup>	968.8	97 8	632.99	2 <sup>+</sup>	M1+E2	$-1.59^\ddagger_{13}$	$\delta: -1.68\ 13$ in $\varepsilon$ decay.
		1601.8	100 8	0	0 <sup>+</sup>	E2		
1720.63	0 <sup>+</sup>	1087.7	100	632.99	2 <sup>+</sup>	E2		
1913.36	0 <sup>+</sup>	311.5	100 8	1601.81	2 <sup>+</sup>	E2		
		1280.3	95 8	632.99	2 <sup>+</sup>	E2		
2145.83	3 <sup>+</sup>	544.0	12 1	1601.81	2 <sup>+</sup>	M1+E2	$-1.7^\ddagger_{+4-7}$	$\delta: -1.7\ +8-22$ in $\varepsilon$ decay.
		637.3	6.2 9	1508.44	4 <sup>+</sup>	M1+E2	$-0.52^\ddagger_7$	$\delta: -0.72\ +17-20$ in $\varepsilon$ decay.
		1512.7	100 8	632.99	2 <sup>+</sup>	M1+E2	$-0.87_8$	$\delta: -0.82_7$ in ( $\alpha,\gamma$ ); also $-1.9_2$ in $\varepsilon$ decay. $\delta=-0.78_7$ in table III is a misprint (e-mail reply from A. Gade Nov. 30, 2002).
2162.79	2 <sup>+</sup>	442.0	0.3 1	1720.63	0 <sup>+</sup>	E2	$^\ddagger$	B(E2)(W.u.)=9 5 $\delta: +0.26_3$ in $\varepsilon$ decay.
		1529.8	100 8	632.99	2 <sup>+</sup>	M1+E2	$+0.27_4$	B(M1)(W.u.)=0.016 7; B(E2)(W.u.)=0.42 22
		2162.8	5.6 7	0	0 <sup>+</sup>	E2		B(E2)(W.u.)=0.06 3
2202.17	3 <sup>-</sup>	600.3	4.1 9	1601.81	2 <sup>+</sup>			
		1569.2	100 8	632.99	2 <sup>+</sup>	E1(+M2)	$+0.03_3$	$\delta: +0.01_3$ in $\varepsilon$ decay.
2239.33	4 <sup>+</sup>	637.5	18 1	1601.81	2 <sup>+</sup>	E2(+M3)	$-0.01_6$	
		730.8	100 8	1508.44	4 <sup>+</sup>	M1+E2	$-0.31^\ddagger_{10}$	$\delta: -0.70\ 16$ or $-0.25\ 20$ in $\varepsilon$ decay.
		1606.3	86 7	632.99	2 <sup>+</sup>	E2(+M3)	$-0.07^\ddagger_4$	$\delta: -0.003\ 38$ in $\varepsilon$ decay.
2365.84	2 <sup>+</sup>	1732.8	100 9	632.99	2 <sup>+</sup>	M1(+E2)	$-0.03^\ddagger_5$	B(M1)(W.u.)=(0.012 3); B(E2)(W.u.)=(0.003 +11-3) $\delta: -0.04_3$ in $\varepsilon$ decay.

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$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) 2002Ga35 (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
2365.84	2 <sup>+</sup>	2365.7	23 3	0	0 <sup>+</sup>	E2		B(E2)(W.u.)=0.17 5
2374.59	(0 <sup>+</sup> )	772.7	8 2	1601.81	2 <sup>+</sup>	E2		
		1741.5	100 9	632.99	2 <sup>+</sup>	E2		
2486.35	2 <sup>+</sup>	884.5	5 2	1601.81	2 <sup>+</sup>	M1+E2	+0.31 8	
		1853.2	100 9	632.99	2 <sup>+</sup>	M1+E2	-0.47 <sup>±</sup> 14	
		2486.3	4 1	0	0 <sup>+</sup>	E2		
2541.31	6 <sup>+</sup>	1032.9	100	1508.44	4 <sup>+</sup>	E2(+M3)	-0.004 <sup>±</sup> 32	$\delta$ : -0.001 42 in $\varepsilon$ decay.
2555.16	3 <sup>(-)</sup>	353.1	12 3	2202.17	3 <sup>-</sup>			
		392.5	<0.6	2162.79	2 <sup>+</sup>			
		409.1	3 2	2145.83	3 <sup>+</sup>			
		953.3	33 4	1601.81	2 <sup>+</sup>	E1(+M2)	-0.03 9	$\delta$ : +0.07 8 in ( $\alpha,\text{n}\gamma$ ). In table IV $\delta=-0.03$ 9 should be listed from $\varepsilon$ decay (E-mail reply from A. Gade November 30, 2002).
		1922.1	100 10	632.99	2 <sup>+</sup>	E1(+M2)	+0.04 <sup>±</sup> 4	$\delta$ : -0.07 6 in $\varepsilon$ decay.
2565.04	5 <sup>+</sup>	325.7	46 4	2239.33	4 <sup>+</sup>	M1+E2	-0.08 <sup>±</sup> 4	
		419.2	0.7 1	2145.83	3 <sup>+</sup>			
		1056.6	100 8	1508.44	4 <sup>+</sup>	M1+E2	-0.21 <sup>±</sup> 3	$\delta$ : -0.18 3 in $\varepsilon$ decay.
2601.57	5 <sup>-</sup>	399.4	1.6 2	2202.17	3 <sup>-</sup>	E2(+M3)	-0.1 <sup>±</sup> 2	
		1093.2	100 10	1508.44	4 <sup>+</sup>	E1(+M2)	-0.012 <sup>±</sup> 19	$\delta$ : -0.007 29 in $\varepsilon$ decay.
2620.04	2 <sup>+</sup>	1018.2	0.9 3	1601.81	2 <sup>+</sup>	M1+E2	-0.13 10	B(M1)(W.u.)=0.0022 9; B(E2)(W.u.)=0.03 +5-3
		1987.0	100 8	632.99	2 <sup>+</sup>	M1+E2	+0.16 3	B(M1)(W.u.)=0.032 9; B(E2)(W.u.)=0.18 8
		2620.0	1.8 4	0	0 <sup>+</sup>	E2		$\delta$ : +0.13 7 in ( $\alpha,\text{n}\gamma$ ). B(E2)(W.u.)=0.032 11
2645.61	4 <sup>+</sup>	406.2	3 2	2239.33	4 <sup>+</sup>			
		499.8	5 2	2145.83	3 <sup>+</sup>			
		1043.9	4 2	1601.81	2 <sup>+</sup>			
		1137.1	100 8	1508.44	4 <sup>+</sup>	M1+E2	-0.6 <sup>±</sup> 2	$\delta$ : -1.14 +20-25 or +0.07 10 in $\varepsilon$ decay.
		2012.4	16 2	632.99	2 <sup>+</sup>			
2678.10	1 <sup>-</sup>	2678.0	100	0	0 <sup>+</sup>			
2682.73	1	316.9	<0.5	2365.84	2 <sup>+</sup>			
		1080.8	2.9 3	1601.81	2 <sup>+</sup>			
		2049.6	100 10	632.99	2 <sup>+</sup>	D+Q	-0.056 15	$\delta$ : not listed in table IV of 2002Ga35.
		2682.8	2.7 3	0	0 <sup>+</sup>			
2707.06	5 <sup>-</sup>	105.5	2.0 2	2601.57	5 <sup>-</sup>			
		467.7	1.2 2	2239.33	4 <sup>+</sup>			
		504.9	1.5 5	2202.17	3 <sup>-</sup>			
		1198.5	100 10	1508.44	4 <sup>+</sup>	E1(+M2)	-0.006 <sup>±</sup> 21	$\delta$ : +0.05 4 in $\varepsilon$ decay.
2738.71	4 <sup>+</sup>	536.6	0.9 2	2202.17	3 <sup>-</sup>			
		575.9	0.9 1	2162.79	2 <sup>+</sup>			
		1230.3	100 9	1508.44	4 <sup>+</sup>	M1+E2	+0.16 <sup>±</sup> 8	B(M1)(W.u.)=0.027 8; B(E2)(W.u.)=0.4 4 $\delta$ : +0.22 11 in $\varepsilon$ decay.
		2105.6	14 2	632.99	2 <sup>+</sup>			
2755.04	4 <sup>+</sup> ,5 <sup>+</sup>	1246.6	100	1508.44	4 <sup>+</sup>			
2762.98	3 <sup>+</sup>	397.1	<5	2365.84	2 <sup>+</sup>			
		523.6	<4	2239.33	4 <sup>+</sup>			
		560.7	<11	2202.17	3 <sup>-</sup>			
		617.1	<14	2145.83	3 <sup>+</sup>			
		1161.1	100 10	1601.81	2 <sup>+</sup>	M1+E2	+1.0 <sup>±</sup> +5-3	$\delta$ : +0.55 24 in $\varepsilon$ decay.
		1254.5	70 8	1508.44	4 <sup>+</sup>	M1+E2	-0.55 <sup>±</sup> 14	$\delta$ : -0.58 12 in $\varepsilon$ decay.
		2129.9	33 11	632.99	2 <sup>+</sup>			
2790.79		551.4	9 2	2239.33	4 <sup>+</sup>			
		1189.0	44 4	1601.81	2 <sup>+</sup>			
		1282.3	100 8	1508.44	4 <sup>+</sup>			

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$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) **2002Ga35** (continued)

$\gamma(^{108}\text{Cd})$ (continued)								
$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
2805.14	3	1296.6	100 9	1508.44	4 <sup>+</sup>	D+Q	-0.15 <sup>±</sup> 4	$\delta$ : -0.16 4 in $\varepsilon$ decay.
		2172.1	10 2	632.99	2 <sup>+</sup>			
2807.74	6 <sup>+</sup>	206.1	2.0 5	2601.57	5 <sup>-</sup>	E1(+M2)	-0.06 6	
		242.8	100 8	2565.04	5 <sup>+</sup>			
		266.4	8.5 9	2541.31	6 <sup>+</sup>			
		1299.3	40 4	1508.44	4 <sup>+</sup>	E2(+M3)	-0.003 4	$\delta$ : not listed in table IV of <b>2002Ga35</b> .
2810.24	4 <sup>-</sup>	608.1	18 2	2202.17	3 <sup>-</sup>			
		664.4	40 3	2145.83	3 <sup>+</sup>	E1+M2	+0.04 <sup>±</sup> 3	
		1301.8	100 8	1508.44	4 <sup>+</sup>			
2816.52	2 <sup>+</sup>	450.7	19 3	2365.84	2 <sup>+</sup>			
		614.4	38 4	2202.17	3 <sup>-</sup>			
		653.7	16 3	2162.79	2 <sup>+</sup>			
		670.7	45 4	2145.83	3 <sup>+</sup>			
		2183.4	100 9	632.99	2 <sup>+</sup>	M1+E2	+0.22 8	
		2816.5	57 5	0	0 <sup>+</sup>			
2820.19	2 <sup>(-)</sup>	618.0	$\leq 6$	2202.17	3 <sup>-</sup>			
		1218.3	26 4	1601.81	2 <sup>+</sup>	(E1(+M2))	+0.2 2	
		2187.2	100 10	632.99	2 <sup>+</sup>	(E1+M2)	+0.25 6	
2875.90	4 <sup>+</sup>	510.2	$\leq 12$	2365.84	2 <sup>+</sup>			
		729.9	15 4	2145.83	3 <sup>+</sup>			
		1367.4	79 8	1508.44	4 <sup>+</sup>	M1+E2	-0.5 <sup>±</sup> 3	$\delta$ : positive sign in table IV of <b>2002Ga35</b> is a misprint (E-mail reply from A. Gade, November 30, 2002).
		2242.9	100 9	632.99	2 <sup>+</sup>			
2905.81	5 <sup>+</sup>	364.5	4 1	2541.31	6 <sup>+</sup>			
		666.5	38 3	2239.33	4 <sup>+</sup>			
		760.0	55 5	2145.83	3 <sup>+</sup>	E2(+M3)	-0.012 <sup>±</sup> 40	$\delta$ : uncertainty=0.004 in table III of <b>2002Ga35</b> is a misprint (E-mail reply from A. Gade, November 30, 2002).
		1397.4	100 8	1508.44	4 <sup>+</sup>	M1+E2	-0.73 14	
2936.22	0 <sup>+</sup> ,1 <sup>+</sup> ,2 <sup>+</sup>	2303.2	100	632.99	2 <sup>+</sup>			
2975.38	6 <sup>-</sup>	268.4	38 3	2707.06	5 <sup>-</sup>			
		373.8	100 8	2601.57	5 <sup>-</sup>	M1+E2	+0.55 5	
		434.1	8.9 9	2541.31	6 <sup>+</sup>			
2976.57	4 <sup>+</sup>	331.0	<10	2645.61	4 <sup>+</sup>			
		737.3	14 6	2239.33	4 <sup>+</sup>			
		774.6	12 5	2202.17	3 <sup>-</sup>			
		1374.7	44 7	1601.81	2 <sup>+</sup>			
		1468.1	100 11	1508.44	4 <sup>+</sup>	M1(+E2)	-0.17 31	$\delta$ : -0.36 21 from ( $\alpha$ ,n). $\delta$ =-0.5 2 in table III is a misprint (E-mail reply from A. Gade, November 30, 2002).
2993.16	2 <sup>+</sup>	1391.4	<25	1601.81	2 <sup>+</sup>			
		2360.1	100 12	632.99	2 <sup>+</sup>	M1+E2	-0.91 +20-25	
		2993.1	32 6	0	0 <sup>+</sup>			
2994.20	6 <sup>+</sup>	429.1	<7	2565.04	5 <sup>+</sup>			
		452.9	7 3	2541.31	6 <sup>+</sup>			
		754.9	43 5	2239.33	4 <sup>+</sup>	E2(+M3)	+0.06 6	$\delta$ : +0.02 15 in ( $\alpha$ ,ny).
		1485.8	100 9	1508.44	4 <sup>+</sup>	E2(+M3)	-0.05 5	$\delta$ : no value given in table IV of <b>2002Ga35</b> .
2998.12		315.3	100 8	2682.73	1			
		320.1	44 4	2678.10	1 <sup>-</sup>			
		796.1	19 3	2202.17	3 <sup>-</sup>			
		835.3	24 3	2162.79	2 <sup>+</sup>			
3005.68	1	2372.6	21 4	632.99	2 <sup>+</sup>	D(+Q)	-0.06 6	
		3005.6	100 9	0	0 <sup>+</sup>			

Continued on next page (footnotes at end of table)

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) **2002Ga35** (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
3028.33		662.5	4	2365.84	2 <sup>+</sup>			
		882.5	12	2145.83	3 <sup>+</sup>			
		1426.5	49 15	1601.81	2 <sup>+</sup>			
		2395.3	100 17	632.99	2 <sup>+</sup>			
3031.70	2 <sup>+</sup>	829.5	21	2202.17	3 <sup>-</sup>			
		868.9	5	2162.79	2 <sup>+</sup>			
		1118.3	9	1913.36	0 <sup>+</sup>			
		2398.6	100	632.99	2 <sup>+</sup>			
3048.53	1 <sup>+</sup>	1446.6	19 3	1601.81	2 <sup>+</sup>	M1+E2	+0.17 3	
		2415.6	62 5	632.99	2 <sup>+</sup>	M1+E2	+0.320 13	
		3048.5	100 8	0	0 <sup>+</sup>	M1		
3057.51	7 <sup>-</sup>	350.5	63 5	2707.06	5 <sup>-</sup>			
		455.9	100 8	2601.57	5 <sup>-</sup>	E2(+M3)	-0.06 9	$\delta: -0.04$ 4 in ( $\alpha, n\gamma$ ).
		516.2	53 4	2541.31	6 <sup>+</sup>			
3059.55		494.4	34 14	2565.04	5 <sup>+</sup>			
		1551.0	100 17	1508.44	4 <sup>+</sup>			
3059.83	(4,5) <sup>+</sup>	252.0	13	2807.74	6 <sup>+</sup>			
		414.2	72	2645.61	4 <sup>+</sup>			
		518.7	100	2541.31	6 <sup>+</sup>			
		914.0	53	2145.83	3 <sup>+</sup>			
3077.48	(4 <sup>+</sup> )	314.5	9	2762.98	3 <sup>+</sup>			
		322.4	<3	2755.04	4 <sup>+</sup> , 5 <sup>+</sup>			
		431.8	5	2645.61	4 <sup>+</sup>			
		838.2	18	2239.33	4 <sup>+</sup>			
		931.7	10	2145.83	3 <sup>+</sup>			
		1569.1	100	1508.44	4 <sup>+</sup>	M1+E2	-1.0 +4-7	$\delta: -0.5$ +3-4 in ( $\alpha, n\gamma$ ).
3081.84	3 <sup>+</sup>	918.9	15 7	2162.79	2 <sup>+</sup>			
		1480.1	33 10	1601.81	2 <sup>+</sup>			
		2448.8	100 13	632.99	2 <sup>+</sup>			
3092.30	(3)	606.0	10	2486.35	2 <sup>+</sup>			
		853.0	22	2239.33	4 <sup>+</sup>			
		929.6	4	2162.79	2 <sup>+</sup>			
		1490.4	100	1601.81	2 <sup>+</sup>	D+Q	-0.30 11	
		2459.2	26	632.99	2 <sup>+</sup>			
3110.45	(8 <sup>+</sup> )	302.8	0.4	2807.74	6 <sup>+</sup>			
		569.0	100	2541.31	6 <sup>+</sup>	E2(+M3)	+0.04 <sup>‡</sup> 4	
3138.99		328.8	100	2810.24	4 <sup>-</sup>			
		583.9	<4	2555.16	3 <sup>(-)</sup>			
		936.8	40	2202.17	3 <sup>-</sup>			
		993.2	17	2145.83	3 <sup>+</sup>			
		1630.4	35	1508.44	4 <sup>+</sup>			
3171.23	2,3 <sup>+</sup>	805.5	5 2	2365.84	2 <sup>+</sup>			
		2538.2	100 9	632.99	2 <sup>+</sup>			
3174.16		435.4 <sup>#</sup>	<5	2738.71	4 <sup>+</sup>			Placement from 3171.2 level as given in <b>2002Ga35</b> is incorrect (e-mail reply from A. Gade, Dec. 8, 2002).
		1028.3	15	2145.83	3 <sup>+</sup>			
		1665.7	100	1508.44	4 <sup>+</sup>			
3181.49		626.3	29	2555.16	3 <sup>(-)</sup>			
		1035.8	7	2145.83	3 <sup>+</sup>			
		2548.4	100	632.99	2 <sup>+</sup>			
3189.58	5,6,7	648.3	100 10	2541.31	6 <sup>+</sup>			
		950.2	<12	2239.33	4 <sup>+</sup>			
3194.85	2 <sup>+</sup>	1049.0	47	2145.83	3 <sup>+</sup>			
		1593.0	66	1601.81	2 <sup>+</sup>			

Continued on next page (footnotes at end of table)

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) **2002Ga35** (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
3194.85	2 <sup>+</sup>	2561.8	100	632.99	2 <sup>+</sup>			
		3194.8	44	0	0 <sup>+</sup>			
3203.63		2570.6	100	632.99	2 <sup>+</sup>			
3221.65	(3,4) <sup>+</sup>	466.7	7	2755.04	4 <sup>+</sup> ,5 <sup>+</sup>			
		483.1	7	2738.71	4 <sup>+</sup>			
		1075.9	14	2145.83	3 <sup>+</sup>			
		1713.4	100	1508.44	4 <sup>+</sup>			
		2588.8	29	632.99	2 <sup>+</sup>			
3223.79	8 <sup>-</sup>	166.3	100 8	3057.51	7 <sup>-</sup>			
		248.4	32 3	2975.38	6 <sup>-</sup>			
3227.93	(2 <sup>+</sup> )	1065.0	30	2162.79	2 <sup>+</sup>			
		2595.0	100	632.99	2 <sup>+</sup>	M1+E2	+0.14 10	
3248.22		602.6	12	2645.61	4 <sup>+</sup>			
		1008.9	25	2239.33	4 <sup>+</sup>			
		1739.8	100	1508.44	4 <sup>+</sup>			
3249.06	7 <sup>-</sup>	191.5	30 3	3057.51	7 <sup>-</sup>			
		273.6	5 1	2975.38	6 <sup>-</sup>			
		707.9	100 8	2541.31	6 <sup>+</sup>	E1(+M2)	-0.01 <sup>‡</sup> 4	
3259.64		1057.5	100	2202.17	3 <sup>-</sup>			
		1113.8	34	2145.83	3 <sup>+</sup>			
3264.93	1,2 <sup>+</sup> ,3	2631.9	100	632.99	2 <sup>+</sup>			
3289.75		582.8	23	2707.06	5 <sup>-</sup>			
		734.6	100	2555.16	3 <sup>(-)</sup>			
		1087.6	81	2202.17	3 <sup>-</sup>			
		1781.2	93	1508.44	4 <sup>+</sup>			
3292.73	1	2659.8	45 8	632.99	2 <sup>+</sup>			
		3292.8	100 9	0	0 <sup>+</sup>			
3294.90	3 <sup>+</sup>	1092.7	11	2202.17	3 <sup>-</sup>			
		1132.2	10	2162.79	2 <sup>+</sup>			
		2661.8	100	632.99	2 <sup>+</sup>	M1+E2	+4.3 +9-6	$\delta$ : or +0.002 4.
3298.54		323.1	100	2975.38	6 <sup>-</sup>			
		697.0	59	2601.57	5 <sup>-</sup>			
3303.55		2670.7	<23	632.99	2 <sup>+</sup>			
		3303.4	100 9	0	0 <sup>+</sup>			
3316.41	(3 <sup>+</sup> )	1714.5	13 6	1601.81	2 <sup>+</sup>	M1+E2	+3.7 +29-12	
		2683.5	100 14	632.99	2 <sup>+</sup>	M1+E2	+8.7 +41-21	$\delta$ : or -0.10 4.
3321.90		327.9	3.5	2994.20	6 <sup>+</sup>			
		566.8	21	2755.04	4 <sup>+</sup> ,5 <sup>+</sup>			
		780.6	76	2541.31	6 <sup>+</sup>			Placement from 3221.9 level as given in 2002Ga35 is incorrect (e-mail reply from A. Gade, Dec. 8, 2002).
		1082.5	24	2239.33	4 <sup>+</sup>			
		1813.4	100	1508.44	4 <sup>+</sup>			
3326.63	3,(2 <sup>+</sup> )	2693.6	100	632.99	2 <sup>+</sup>			
3343.99	1	350.9	1.3	2993.16	2 <sup>+</sup>			
		723.9	1.3	2620.04	2 <sup>+</sup>			
		978.1	4	2365.84	2 <sup>+</sup>			
		1181.2	6	2162.79	2 <sup>+</sup>			
		1430.7	4	1913.36	0 <sup>+</sup>			
		1623.4	12	1720.63	0 <sup>+</sup>			
		1742.2	100	1601.81	2 <sup>+</sup>	D+Q	+0.065 26	
		2710.9	<7	632.99	2 <sup>+</sup>			
3353.35		614.6	100	2738.71	4 <sup>+</sup>			
		1207.6	53	2145.83	3 <sup>+</sup>			
		1751.5	38	1601.81	2 <sup>+</sup>			

Continued on next page (footnotes at end of table)

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min)  $^{2002}\text{Ga35}$  (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
3353.35		1844.8	44	1508.44	4 <sup>+</sup>			
3367.49	(5,6 <sup>+</sup> )	826.2	100 8	2541.31	6 <sup>+</sup>			
		1128.1	14 2	2239.33	4 <sup>+</sup>			
		1859.0	49 5	1508.44	4 <sup>+</sup>			
3384.93	2 <sup>+</sup> ,3	579.8	7	2805.14	3			
		898.4	10	2486.35	2 <sup>+</sup>			
		1222.2	80	2162.79	2 <sup>+</sup>			
		1239.2	47	2145.83	3 <sup>+</sup>			
		1783.0	100	1601.81	2 <sup>+</sup>			
		2752.0	99.8	632.99	2 <sup>+</sup>			
3388.99	5 <sup>(+)</sup>	413.7	27	2975.38	6 <sup>-</sup>			
		578.7	47	2810.24	4 <sup>-</sup>			
		787.4	69	2601.57	5 <sup>-</sup>			
		824.1	52	2565.04	5 <sup>+</sup>			
		1149.6	24	2239.33	4 <sup>+</sup>			
		1880.4	100	1508.44	4 <sup>+</sup>	M1+E2	-0.14 5	B(M1)(W.u.)=0.0048 14; B(E2)(W.u.)=0.023 18 $\delta$ : or -15.4.
3389.43	(3)	2756.4	100	632.99	2 <sup>+</sup>	D+Q	+0.04 5	
3400.51		845.4	95	2555.16	3 <sup>(-)</sup>			
		1198.4	100	2202.17	3 <sup>-</sup>			
		1891.9	57	1508.44	4 <sup>+</sup>			
3407.28		1041.4	32	2365.84	2 <sup>+</sup>			
		1244.5	43	2162.79	2 <sup>+</sup>			
		1805.4	100	1601.81	2 <sup>+</sup>			
3407.89		669.2	11	2738.71	4 <sup>+</sup>			
		762.2	15	2645.61	4 <sup>+</sup>			
		1262.1	<13	2145.83	3 <sup>+</sup>			
		1899.5	100	1508.44	4 <sup>+</sup>			
3413.05	(6 <sup>+</sup> )	223.4	4	3189.58	5,6,7			
		871.8	100	2541.31	6 <sup>+</sup>	M1+E2	+0.25 $\ddagger$ 12	
3427.97		452.6	29	2975.38	6 <sup>-</sup>			
		826.4	9	2601.57	5 <sup>-</sup>			
		886.7	100	2541.31	6 <sup>+</sup>			
3433.01		677.9	32	2755.04	4 <sup>+</sup> ,5 <sup>+</sup>			
		891.8	100	2541.31	6 <sup>+</sup>			
3435.17		1233.0	100	2202.17	3 <sup>-</sup>			
3436.96		698.4	19	2738.71	4 <sup>+</sup>			
		1928.4	100	1508.44	4 <sup>+</sup>			
3450.09	2 <sup>+</sup> ,3 <sup>+</sup>	644.9	11	2805.14	3			
		963.8	27	2486.35	2 <sup>+</sup>			
		1084.3	38	2365.84	2 <sup>+</sup>			
		1247.8	5.5	2202.17	3 <sup>-</sup>			
		1287.3	11	2162.79	2 <sup>+</sup>			
		1848.2	100	1601.81	2 <sup>+</sup>			
		2817.1	80	632.99	2 <sup>+</sup>			
3454.16	1 <sup>+</sup>	282.9	0.2	3171.23	2,3 <sup>+</sup>			
		461.0	0.45	2993.16	2 <sup>+</sup>			
		771.4	12	2682.73	1			
		1079.5	7 5	2374.59	(0 <sup>+</sup> )			
		1291.3	7	2162.79	2 <sup>+</sup>			
		1540.7	3.3	1913.36	0 <sup>+</sup>			
		1733.6	4.4	1720.63	0 <sup>+</sup>			
		1852.3	30 9	1601.81	2 <sup>+</sup>	M1(+E2)	-0.005 20	
		2821.1	8	632.99	2 <sup>+</sup>	E2(+M1)	$\geq$ +11.7	

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$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) [2002Ga35](#) (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
3454.16	1 <sup>+</sup>	3454.1	100	0	0 <sup>+</sup>	M1		
3459.84	5,6	484.4	17	2975.38	6 <sup>-</sup>			
		752.8	20	2707.06	5 <sup>-</sup>			
		858.3	100	2601.57	5 <sup>-</sup>			
3460.58		652.8	46	2807.74	6 <sup>+</sup>			
		895.4	16	2565.04	5 <sup>+</sup>			
		919.2	28	2541.31	6 <sup>+</sup>			
		1221.3	39	2239.33	4 <sup>+</sup>			
		1952.2	100	1508.44	4 <sup>+</sup>			
3470.03	2 <sup>(+)</sup>	1104.3	13	2365.84	2 <sup>+</sup>			
		1307.3	64	2162.79	2 <sup>+</sup>			
		1324.1	38	2145.83	3 <sup>+</sup>			
		1868.1	100	1601.81	2 <sup>+</sup>	M1+E2	-0.4 3	
3474.98	8 <sup>-</sup>	225.9	29	3249.06	7 <sup>-</sup>			
		417.5	100	3057.51	7 <sup>-</sup>			
		499.5	35	2975.38	6 <sup>-</sup>			
3482.44	2	2849.4	100	632.99	2 <sup>+</sup>			
3485.21	9 <sup>-</sup>	261.5	100	3223.79	8 <sup>-</sup>			
		427.6	86	3057.51	7 <sup>-</sup>			
3512.26		1366.3	54.5	2145.83	3 <sup>+</sup>			
		2003.9	100	1508.44	4 <sup>+</sup>			
3525.36		770.4	19	2755.04	4 <sup>+</sup> ,5 <sup>+</sup>			
		786.6	16	2738.71	4 <sup>+</sup>			
		984.1	100	2541.31	6 <sup>+</sup>			Placement from 3489.4 level as given in <a href="#">2002Ga35</a> is incorrect (e-mail reply from A. Gade, Dec. 8, 2002).
		1286.1	22	2239.33	4 <sup>+</sup>			
		2016.9	<16	1508.44	4 <sup>+</sup>			
3527.15		1381.3	100	2145.83	3 <sup>+</sup>			
3535.84	(3,4) <sup>+</sup>	2902.8	100	632.99	2 <sup>+</sup>			
3539.95		1938.2	19	1601.81	2 <sup>+</sup>			
		2031.4	100	1508.44	4 <sup>+</sup>			
3555.04	(3 <sup>+</sup> )	2922.0	100	632.99	2 <sup>+</sup>			
3559.64		2926.6	100	632.99	2 <sup>+</sup>			
3561.18	(4,5,6) <sup>+</sup>	770.3	<31	2790.79				
		822.4	0.25	2738.71	4 <sup>+</sup>			
		915.7	12	2645.61	4 <sup>+</sup>			
		996.1	51 8	2565.04	5 <sup>+</sup>			
		1019.8	14	2541.31	6 <sup>+</sup>			
		1321.9	100	2239.33	4 <sup>+</sup>			
3566.44		2933.4	100	632.99	2 <sup>+</sup>			
3571.86	2 <sup>+</sup>	889.1	18	2682.73	1			
		951.9	10	2620.04	2 <sup>+</sup>			
		1085.4	23	2486.35	2 <sup>+</sup>			
		1369.6	4	2202.17	3 <sup>-</sup>			
		1409.0	12	2162.79	2 <sup>+</sup>			
		1426.0	13	2145.83	3 <sup>+</sup>			
		1658.4	11	1913.36	0 <sup>+</sup>			
		2939.0	100	632.99	2 <sup>+</sup>	M1+E2	+0.40 7	$\delta$ : from table IV of <a href="#">2002Ga35</a> . $\delta=+0.49$ 8 in table III is a misprint (e-mail reply from A. Gade, November 30, 2002).
		3571.8	47	0	0 <sup>+</sup>	E2		
3576.21		930.6	36	2645.61	4 <sup>+</sup>			
		1021.0	100	2555.16	3 <sup>(-)</sup>			
		1374.1	18	2202.17	3 <sup>-</sup>			

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$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min)  $^{2002}\text{Ga35}$  (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$
3605.58		1403.4	100	2202.17	3 <sup>-</sup>		
3611.67		1409.5	<13	2202.17	3 <sup>-</sup>		
		1465.7	<19	2145.83	3 <sup>+</sup>		
		2103.2	100	1508.44	4 <sup>+</sup>		
3629.19		1027.6	100	2601.57	5 <sup>-</sup>		
		1087.9	46	2541.31	6 <sup>+</sup>		
3633.74		3000.7	100	632.99	2 <sup>+</sup>		
3642.12		666.7	56	2975.38	6 <sup>-</sup>		
		934.9	100	2707.06	5 <sup>-</sup>		
		1040.6	<52	2601.57	5 <sup>-</sup>		
		1100.9	40	2541.31	6 <sup>+</sup>		
3643.22		1403.9	87	2239.33	4 <sup>+</sup>		
		2134.7	100	1508.44	4 <sup>+</sup>		
3656.28		680.9	33	2975.38	6 <sup>-</sup>		
		949.2	100	2707.06	5 <sup>-</sup>		
		1054.7	17	2601.57	5 <sup>-</sup>		
3656.44	(8 <sup>+</sup> )	432.6	19	3223.79	8 <sup>-</sup>		
		1115.2	100	2541.31	6 <sup>+</sup>		
3667.07	1	3667.0	100	0	0 <sup>+</sup>		
3674.68		1119.5	40	2555.16	3 <sup>(-)</sup>		
		1472.4	41	2202.17	3 <sup>-</sup>		
		1528.9	100	2145.83	3 <sup>+</sup>		
		2073.0	64	1601.81	2 <sup>+</sup>		
3683.22	8 <sup>+</sup>	1141.9	100	2541.31	6 <sup>+</sup>	E2(+M3)	-0.011 <sup>‡</sup> 8
3683.34		1118.3	100	2565.04	5 <sup>+</sup>		
3718.45		979.8	16	2738.71	4 <sup>+</sup>		
		1072.8	<34	2645.61	4 <sup>+</sup>		
		1572.6	44	2145.83	3 <sup>+</sup>		
		2210.0	100	1508.44	4 <sup>+</sup>		
3724.54	2 <sup>+</sup>	692.7	1	3031.70	2 <sup>+</sup>		
		919.4	6	2805.14	3		
		1104.5	33	2620.04	2 <sup>+</sup>		
		1238.2	6.5	2486.35	2 <sup>+</sup>		
		1358.8	1.5	2365.84	2 <sup>+</sup>		
		1522.3	2	2202.17	3 <sup>-</sup>		
		1561.7	8	2162.79	2 <sup>+</sup>		
		1578.7	3	2145.83	3 <sup>+</sup>		
		2003.8	3	1720.63	0 <sup>+</sup>		
		2123.0	4	1601.81	2 <sup>+</sup>		
		2216.0	36	1508.44	4 <sup>+</sup>		
		3091.7	100	632.99	2 <sup>+</sup>	M1+E2	-0.28 5
		3724.5	39	0	0 <sup>+</sup>		
3726.66		2218.2	100	1508.44	4 <sup>+</sup>		
3731.96		2223.5	100	1508.44	4 <sup>+</sup>		
3740.37		1001.6	<24	2738.71	4 <sup>+</sup>		
		2232.0	100	1508.44	4 <sup>+</sup>		
3770.37	(7 <sup>+</sup> )	795.0	51	2975.38	6 <sup>-</sup>		
		1229.0	100	2541.31	6 <sup>+</sup>	M1+E2	-0.17 <sup>‡</sup> 13
3779.76		1072.6	<40	2707.06	5 <sup>-</sup>		
		2271.4	100	1508.44	4 <sup>+</sup>		
3787.07		2278.6	100	1508.44	4 <sup>+</sup>		
3788.92	2 <sup>+</sup>	1026.0	14	2762.98	3 <sup>+</sup>		
		1423.0	23	2365.84	2 <sup>+</sup>		
		1626.1	<10	2162.79	2 <sup>+</sup>		
		1643.1	15	2145.83	3 <sup>+</sup>		

Continued on next page (footnotes at end of table)

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min)  $^{2002}\text{Ga35}$  (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$
3788.92	2 <sup>+</sup>	2187.1	100	1601.81	2 <sup>+</sup>	M1(+E2)	+0.06 8
		3155.9	90	632.99	2 <sup>+</sup>	M1+E2	-0.33 11
3811.67		2303.2	100	1508.44	4 <sup>+</sup>		
3814.60	1 <sup>+</sup>	521.9	0.2	3292.73	1		
		782.8	0.3	3031.70	2 <sup>+</sup>		
		816.5	0.2	2998.12			
		1131.8	0.5	2682.73	1		
		1194.6	0.7	2620.04	2 <sup>+</sup>		
		1651.7	1.6	2162.79	2 <sup>+</sup>		
		1901.1	4.4	1913.36	0 <sup>+</sup>		
		2093.9	2.8	1720.63	0 <sup>+</sup>		
		3181.8	40	632.99	2 <sup>+</sup>	M1+E2	+0.107 17
		3814.6	100	0	0 <sup>+</sup>	M1	
3816.28	(5 <sup>+</sup> ,6 <sup>+</sup> )	448.7	29	3367.49	(5,6 <sup>+</sup> )		
		839.8	12	2976.57	4 <sup>+</sup>		
		910.5	19	2905.81	5 <sup>+</sup>		
		940.4	17	2875.90	4 <sup>+</sup>		
		1008.5	100	2807.74	6 <sup>+</sup>		
		1077.6	16	2738.71	4 <sup>+</sup>		
		1214.7	27	2601.57	5 <sup>-</sup>		
		1251.2	60	2565.04	5 <sup>+</sup>		
		1275.0	73	2541.31	6 <sup>+</sup>		
3827.91	1 <sup>+</sup>	373.7	1	3454.16	1 <sup>+</sup>		
		377.9	0.3	3450.09	2 <sup>+</sup> ,3 <sup>+</sup>		
		535.2	1	3292.73	1		
		656.8	4	3171.23	2,3 <sup>+</sup>		
		746.0	0.5	3081.84	3 <sup>+</sup>		
		829.8	1	2998.12			
		1007.7	1	2820.19	2 <sup>(-)</sup>		
		1145.2	2	2682.73	1		
		1149.8	0.4	2678.10	1 <sup>-</sup>		
		1207.8	1	2620.04	2 <sup>+</sup>		
		1341.4	4	2486.35	2 <sup>+</sup>		
		1453.2	1	2374.59	(0 <sup>+</sup> )		
		1461.9	4	2365.84	2 <sup>+</sup>		
		1665.1	4	2162.79	2 <sup>+</sup>		
		1914.5	18	1913.36	0 <sup>+</sup>		
		2107.3	1.5	1720.63	0 <sup>+</sup>		
		2226.2	72	1601.81	2 <sup>+</sup>	M1+E2	-0.060 17
		3194.9	7	632.99	2 <sup>+</sup>		
		3827.9	100	0	0 <sup>+</sup>		
3860.72		866.5	100	2994.20	6 <sup>+</sup>		
		1319.4	91	2541.31	6 <sup>+</sup>		
3875.77		1730.0	<23	2145.83	3 <sup>+</sup>		
		2367.2	100	1508.44	4 <sup>+</sup>		
3881.58		1280.0	43	2601.57	5 <sup>-</sup>		
		1340.3	100	2541.31	6 <sup>+</sup>		
3890.72		915.4	62	2975.38	6 <sup>-</sup>		
		1349.3	100	2541.31	6 <sup>+</sup>		
3904.06		1258.4	7	2645.61	4 <sup>+</sup>		
		2395.6	100	1508.44	4 <sup>+</sup>		
3946.14	(2 <sup>+</sup> )	1263.3	8.5	2682.73	1		
		1580.2	19	2365.84	2 <sup>+</sup>		
		1783.2	21	2162.79	2 <sup>+</sup>		
		2225.4	60	1720.63	0 <sup>+</sup>		
		2344.1	26	1601.81	2 <sup>+</sup>		

Continued on next page (footnotes at end of table)

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) **2002Ga35** (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
3946.14	(2 <sup>+</sup> )	3313.7	100	632.99	2 <sup>+</sup>	M1+E2	+0.23 16	$E_\gamma$ : level-energy difference=3313.1.
3968.27		2459.8	100	1508.44	4 <sup>+</sup>			
3968.65		1822.8	100	2145.83	3 <sup>+</sup>			
3968.99		1262.0	24	2707.06	5 <sup>-</sup>			
		1367.4	100	2601.57	5 <sup>-</sup>			
3984.61		1179.6	50	2805.14	3			
		1821.7	89	2162.79	2 <sup>+</sup>			
		3351.5	100	632.99	2 <sup>+</sup>			
4008.76		1443.8	100	2565.04	5 <sup>+</sup>			
		1467.4	<8.4	2541.31	6 <sup>+</sup>			
4011.42		1865.5	<34	2145.83	3 <sup>+</sup>			
		2503.0	100	1508.44	4 <sup>+</sup>			
4011.90	2 <sup>+</sup> , (3)	983.7	2	3028.33				
		1206.7	6.6	2805.14	3			
		1329.1	10	2682.73	1			
		1646.0	19	2365.84	2 <sup>+</sup>			
		1809.6	33	2202.17	3 <sup>-</sup>			
		2410.2	15	1601.81	2 <sup>+</sup>			
		3379.0	100	632.99	2 <sup>+</sup>	D+Q	+0.10 5	
4016.97		542.0	100	3474.98	8 <sup>-</sup>			
4028.76	2 <sup>+</sup>	936.5	3	3092.30 (3)				
		946.9	2	3081.84	3 <sup>+</sup>			
		1035.5	7	2993.16	2 <sup>+</sup>			
		1223.5	12	2805.14	3			
		1346.0	38	2682.73	1			
		1408.7	94	2620.04	2 <sup>+</sup>			
		1542.5	9	2486.35	2 <sup>+</sup>			
		1654.1	7	2374.59 (0 <sup>+</sup> )				
		1662.8	4	2365.84	2 <sup>+</sup>			
		1826.5	28	2202.17	3 <sup>-</sup>			
		1866.0	99	2162.79	2 <sup>+</sup>			
		1882.8	8	2145.83	3 <sup>+</sup>			
		2308.2	40	1720.63	0 <sup>+</sup>			
		2426.9	8	1601.81	2 <sup>+</sup>			
		2520.3	28	1508.44	4 <sup>+</sup>			
		3395.8	100	632.99	2 <sup>+</sup>	M1+E2	-0.55 16	
4030.93		1323.9	37	2707.06	5 <sup>-</sup>			
		1429.3	15	2601.57	5 <sup>-</sup>			
		1466.0	34	2565.04	5 <sup>+</sup>			
		1489.6	100	2541.31	6 <sup>+</sup>			
4043.80	4,5 <sup>+</sup>	676.3	36.6	3367.49 (5,6 <sup>+</sup> )				
		1167.9	31	2875.90	4 <sup>+</sup>			
		1236.0	35	2807.74	6 <sup>+</sup>			
		1305.0	38.5	2738.71	4 <sup>+</sup>			
		1336.8	71.6	2707.06	5 <sup>-</sup>			
		1398.1	33.6	2645.61	4 <sup>+</sup>			
		1442.3	28.6	2601.57	5 <sup>-</sup>			
		1478.8	36	2565.04	5 <sup>+</sup>			
		1502.6	100	2541.31	6 <sup>+</sup>			
4082.87		2574.4	100	1508.44	4 <sup>+</sup>			
4083.61		1438.0	100	2645.61	4 <sup>+</sup>			
4096.17		2587.7	100	1508.44	4 <sup>+</sup>			
4109.28		1946.6	44	2162.79	2 <sup>+</sup>			
		2507.3	100	1601.81	2 <sup>+</sup>			

Placement from 3605.5 level also as shown in **2002Ga35** is incorrect (e-mail reply from A. Gade, Dec. 8, 2002).

Continued on next page (footnotes at end of table)

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) [2002Ga35](#) (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments		
4160.71		1794.9	51	2365.84	2 <sup>+</sup>					
		1997.8	76	2162.79	2 <sup>+</sup>					
		3527.7	100	632.99	2 <sup>+</sup>					
4179.26		1119.6	32	3059.55						
		1184.9	44	2994.20	6 <sup>+</sup>					
		1202.8	18	2976.57	4 <sup>+</sup>					
		1371.5	28	2807.74	6 <sup>+</sup>					
		1472.2	36	2707.06	5 <sup>-</sup>					
		1533.7	40	2645.61	4 <sup>+</sup>					
		1614.2	96	2565.04	5 <sup>+</sup>					
		1637.9	100	2541.31	6 <sup>+</sup>					
		1940.0	60	2239.33	4 <sup>+</sup>					
		2670.9	99	1508.44	4 <sup>+</sup>					
4203.61	(1 <sup>+</sup> )	1525.6	4	2678.10	1 <sup>-</sup>					
		1717.3	16	2486.35	2 <sup>+</sup>					
		1829.0	3.6	2374.59	(0 <sup>+</sup> )					
		1837.8	9	2365.84	2 <sup>+</sup>					
		2040.6	6.6	2162.79	2 <sup>+</sup>					
		2290.2	16	1913.36	0 <sup>+</sup>					
		2482.9	14	1720.63	0 <sup>+</sup>					
		2601.8	100	1601.81	2 <sup>+</sup>	M1+E2	+0.11 5			
		3570.7	43.6	632.99	2 <sup>+</sup>	M1+E2	-0.20 7			
		4203.5	44	0	0 <sup>+</sup>	(M1)				
4209.83	2 <sup>+</sup>	917.2	5	3292.73	1					
		1446.7	13	2762.98	3 <sup>+</sup>					
		1723.4	26	2486.35	2 <sup>+</sup>					
		2063.9	4	2145.83	3 <sup>+</sup>					
		2608.0	100	1601.81	2 <sup>+</sup>	M1+E2	-0.21 11	$\delta$ : from table IV of <a href="#">2002Ga35</a> . $\delta=-0.49$ 6 in table III is a misprint (e-mail reply from A. Gade, November 30, 2002).		
		2701.4	<9	1508.44	4 <sup>+</sup>					
		3576.9	49	632.99	2 <sup>+</sup>	M1+E2	-3.0 +8-15			
		4209.8	25	0	0 <sup>+</sup>					
		4224.17		1230.0	63	2994.20	6 <sup>+</sup>			
				1682.8	100	2541.31	6 <sup>+</sup>			
4238.92	1 <sup>+</sup>	1752.5	18	2486.35	2 <sup>+</sup>					
		1864.2	23	2374.59	(0 <sup>+</sup> )					
		1873.0	27	2365.84	2 <sup>+</sup>					
		2076.0	22	2162.79	2 <sup>+</sup>					
		2325.6	14	1913.36	0 <sup>+</sup>					
		2518.3	36	1720.63	0 <sup>+</sup>					
		2637.2	46	1601.81	2 <sup>+</sup>	M1+E2	+0.39 13			
		3605.9	49	632.99	2 <sup>+</sup>	M1+E2	-0.14 8			
		4238.8	100	0	0 <sup>+</sup>	M1				
		4239.96		1334.1	51	2905.81	5 <sup>+</sup>			
1432.1	100			2807.74	6 <sup>+</sup>					
1501.2	2.4			2738.71	4 <sup>+</sup>					
1594.5	5			2645.61	4 <sup>+</sup>					
1638.4	85			2601.57	5 <sup>-</sup>					
1674.9	61			2565.04	5 <sup>+</sup>					
1698.8	20			2541.31	6 <sup>+</sup>					
690.4	26			3561.18	(4,5,6) <sup>+</sup>					
4251.57		1443.8	100	2807.74	6 <sup>+</sup>					
		1686.6	38	2565.04	5 <sup>+</sup>					
		2132.7	36	2145.83	3 <sup>+</sup>					
4278.67		2676.8	100	1601.81	2 <sup>+</sup>					

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$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) **2002Ga35** (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
4278.67		3645.7	96	632.99	2 <sup>+</sup>			
4282.32		1741.0	100	2541.31	6 <sup>+</sup>			
4293.93		926.4	32	3367.49	(5,6 <sup>+</sup> )			
		1317.3	19	2976.57	4 <sup>+</sup>			
		1388.0	96	2905.81	5 <sup>+</sup>			
		1418.0	26	2875.90	4 <sup>+</sup>			
		1503.1	50	2790.79				
		1555.3	5	2738.71	4 <sup>+</sup>			
		1692.3	100	2601.57	5 <sup>-</sup>			
		1728.9	74	2565.04	5 <sup>+</sup>			
		1752.6	<15	2541.31	6 <sup>+</sup>			
4315.72		948.2	60	3367.49	(5,6 <sup>+</sup> )			
		1750.8	50	2565.04	5 <sup>+</sup>			
		1774.3	100	2541.31	6 <sup>+</sup>			
4323.50	(1 <sup>+</sup> ,3 <sup>+</sup> )	1957.7	7	2365.84	2 <sup>+</sup>			
		2160.6	23	2162.79	2 <sup>+</sup>			
		2721.7	30	1601.81	2 <sup>+</sup>			
		3690.4	100	632.99	2 <sup>+</sup>			
4334.38		1242.0	4	3092.30	(3)			
		1571.2	10	2762.98	3 <sup>+</sup>			
		1714.3	25	2620.04	2 <sup>+</sup>			
		1848.0 <sup>#</sup>	5	2486.35	2 <sup>+</sup>			Placement from 4323.4 level as shown in <b>2002Ga35</b> is incorrect (e-mail reply from A. Gade, Dec. 8, 2002).
		1968.6	16	2365.84	2 <sup>+</sup>			
		2132.1	33	2202.17	3 <sup>-</sup>			
		2188.6	7	2145.83	3 <sup>+</sup>			
		3701.5	100	632.99	2 <sup>+</sup>			
4345.40	1 <sup>+</sup>	1667.2	5	2678.10	1 <sup>-</sup>			
		1859.1	14	2486.35	2 <sup>+</sup>			
		1979.4	26	2365.84	2 <sup>+</sup>			
		2182.6	25	2162.79	2 <sup>+</sup>			
		2624.7	7	1720.63	0 <sup>+</sup>			
		2743.6	36	1601.81	2 <sup>+</sup>	M1+E2	-0.40 12	
		3712.4	100	632.99	2 <sup>+</sup>	M1+E2	-0.55 5	
4351.98	1	2189.1	14	2162.79	2 <sup>+</sup>			
		2631.4	9	1720.63	0 <sup>+</sup>			
		2750.0	19	1601.81	2 <sup>+</sup>			
		3719.0	100	632.99	2 <sup>+</sup>	D+Q	-0.042 35	
4394.81	1 <sup>+</sup>	2028.9	6	2365.84	2 <sup>+</sup>			
		2231.9	43	2162.79	2 <sup>+</sup>			
		2481.4	13	1913.36	0 <sup>+</sup>			
		2674.1	50	1720.63	0 <sup>+</sup>			
		3761.8	100	632.99	2 <sup>+</sup>	M1+E2	+0.31 8	
4400.66	(3 <sup>+</sup> ,2 <sup>+</sup> )	1661.8	17	2738.71	4 <sup>+</sup>			
		2237.8	50	2162.79	2 <sup>+</sup>			
		2892.3	33	1508.44	4 <sup>+</sup>			
		3767.6	100	632.99	2 <sup>+</sup>			
4414.06	(1 <sup>+</sup> ,3 <sup>+</sup> )	2251.2	13	2162.79	2 <sup>+</sup>			
		3781.0	100	632.99	2 <sup>+</sup>			
4468.51		1660.8	74	2807.74	6 <sup>+</sup>			
		1903.4	100	2565.04	5 <sup>+</sup>			
		1927.2	54	2541.31	6 <sup>+</sup>			
4471.05	1	1788.4	14	2682.73	1			
		1793.0	3	2678.10	1 <sup>-</sup>			

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$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) **2002Ga35** (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$	Comments
4471.05	1	2096.4	4	2374.59	(0 <sup>+</sup> )			
		2105.2	12	2365.84	2 <sup>+</sup>			
		2557.5	13	1913.36	0 <sup>+</sup>			
		2750.5	15	1720.63	0 <sup>+</sup>			
		2869.3	25	1601.81	2 <sup>+</sup>	D+Q	+0.09 7	
		3837.9	100	632.99	2 <sup>+</sup>	D(+Q)	+0.022 25	
4481.35	(3 <sup>+</sup> ,1 <sup>+</sup> )	2115.5	26	2365.84	2 <sup>+</sup>			
		2318.5	9	2162.79	2 <sup>+</sup>			
		2879.5	55	1601.81	2 <sup>+</sup>			
		3848.3	100	632.99	2 <sup>+</sup>			
4512.61		1145.2	7	3367.49	(5,6 <sup>+</sup> )			
		1704.8	9.5	2807.74	6 <sup>+</sup>			
		1805.5	84	2707.06	5 <sup>-</sup>			
		1911.1	34	2601.57	5 <sup>-</sup>			
		1947.5	100	2565.04	5 <sup>+</sup>			
		1971.4	26	2541.31	6 <sup>+</sup>			
4525.35		1923.8	75	2601.57	5 <sup>-</sup>			
		1960.3	100	2565.04	5 <sup>+</sup>			
		1984.0	48	2541.31	6 <sup>+</sup>			
4529.10		1623.2	26	2905.81	5 <sup>+</sup>			
		1927.5	92	2601.57	5 <sup>-</sup>			
		1964.1	18	2565.04	5 <sup>+</sup>			
		1987.8	100	2541.31	6 <sup>+</sup>			
4584.68	1 <sup>+</sup>	1292.0	3	3292.73	1			
		1363.7	16	3221.65	(3,4) <sup>+</sup>			$E_\gamma$ : level-energy difference=1363.0.
		1906.3	11	2678.10	1 <sup>-</sup>			
		2098.2	83	2486.35	2 <sup>+</sup>			
		2210.0	22	2374.59	(0 <sup>+</sup> )			
		2671.2	17	1913.36	0 <sup>+</sup>			
		2982.8	31	1601.81	2 <sup>+</sup>	M1(+E2)	+0.09 9	
		3951.4	100	632.99	2 <sup>+</sup>	M1+E2	-0.73 7	
4617.13		2052.0	100	2565.04	5 <sup>+</sup>			
		2075.9	67	2541.31	6 <sup>+</sup>			
4640.22		2038.6	51	2601.57	5 <sup>-</sup>			
		2075.2	56	2565.04	5 <sup>+</sup>			
		2098.9	100	2541.31	6 <sup>+</sup>			
4640.42	1 <sup>+</sup> ,(2)	2154.0	14	2486.35	2 <sup>+</sup>			
		2477.6	44	2162.79	2 <sup>+</sup>			
		3038.5	35	1601.81	2 <sup>+</sup>	D+Q	-4 +3-18	$\delta$ : if J(4640.4 level)=1.
		4007.4	100	632.99	2 <sup>+</sup>	D+Q	-0.49 6	$\delta$ : if J(4640.4 level)=1.
4649.49		1886.4	30	2762.98	3 <sup>+</sup>			
		2283.6	100	2365.84	2 <sup>+</sup>			
		2447.4	37	2202.17	3 <sup>-</sup>			
		2503.7	36	2145.83	3 <sup>+</sup>			
		4016.4	70	632.99	2 <sup>+</sup>			
4656.40	(1 <sup>+</sup> ,3 <sup>+</sup> )	1650.7	8.5	3005.68	1			
		1973.7	12	2682.73	1			
		2290.6	22	2365.84	2 <sup>+</sup>			
		2493.6	9	2162.79	2 <sup>+</sup>			
		2743.2 <sup>#</sup>	10	1913.36	0 <sup>+</sup>			Placement from 4640.4 level as shown in 2002Ga35 is incorrect (e-mail reply from A. Gade, Dec. 8, 2002).
4663.33		4023.3	100	632.99	2 <sup>+</sup>			
		1346.9	11	3316.41	(3 <sup>+</sup> )			
		2461.2	100	2202.17	3 <sup>-</sup>			

Continued on next page (footnotes at end of table)

$^{108}\text{In}$   $\varepsilon$  decay (58.0 min+39.6 min) **2002Ga35** (continued) $\gamma(^{108}\text{Cd})$  (continued)

$E_i(\text{level})$	$J_i^\pi$	$E_\gamma$	$I_\gamma$	$E_f$	$J_f^\pi$	Mult.	$\delta^\dagger$
4663.33		2517.4	23.5	2145.83	3 <sup>+</sup>		
4663.98	(2 <sup>+</sup> )	2298.1	16	2365.84	2 <sup>+</sup>		
		4030.9	100	632.99	2 <sup>+</sup>	M1+E2	-1.0 +4-6
4698.34		2078.3	28	2620.04	2 <sup>+</sup>		
		2332.4	14	2365.84	2 <sup>+</sup>		
		2535.6	100	2162.79	2 <sup>+</sup>		
		2785.1	7	1913.36	0 <sup>+</sup>		
		2977.7	76	1720.63	0 <sup>+</sup>		
		4065.0	19	632.99	2 <sup>+</sup>		
4755.53		1947.9	14	2807.74	6 <sup>+</sup>		
		2190.4	100	2565.04	5 <sup>+</sup>		
		2214.2	34	2541.31	6 <sup>+</sup>		
		3247.0	17	1508.44	4 <sup>+</sup>		
4774.90		2400.5	100	2374.59	(0 <sup>+</sup> )		
		2409.0	68	2365.84	2 <sup>+</sup>		
		2611.9	37	2162.79	2 <sup>+</sup>		
		3173.1	40	1601.81	2 <sup>+</sup>		
		4141.8	13	632.99	2 <sup>+</sup>		
4811.55	1 <sup>+</sup> ,2,3 <sup>+</sup>	2445.7	100	2365.84	2 <sup>+</sup>		
		2648.7	33	2162.79	2 <sup>+</sup>		
		4178.5	78	632.99	2 <sup>+</sup>		
4811.77		2004.0	100	2807.74	6 <sup>+</sup>		
		2246.7	93	2565.04	5 <sup>+</sup>		
4849.09		2041.3	89	2807.74	6 <sup>+</sup>		
		2247.5	100	2601.57	5 <sup>-</sup>		
4858.80		1827.2	14	3031.70	2 <sup>+</sup>		
		2492.9	11	2365.84	2 <sup>+</sup>		
		3256.9	65	1601.81	2 <sup>+</sup>		
		4225.7	100	632.99	2 <sup>+</sup>		
4864.74		2059.6	23	2805.14	3		
		2182.1	100	2682.73	1		
		2498.8	31	2365.84	2 <sup>+</sup>		
		4231.6	64	632.99	2 <sup>+</sup>		
4870.33		2504.5	17	2365.84	2 <sup>+</sup>		
		2707.5	100	2162.79	2 <sup>+</sup>		
4914.49		2312.9	33	2601.57	5 <sup>-</sup>		
		2349.4	100	2565.04	5 <sup>+</sup>		

<sup>†</sup> From  $\gamma\gamma(\theta)$  in  $^{108}\text{In}$   $\varepsilon$  decay, unless otherwise stated.

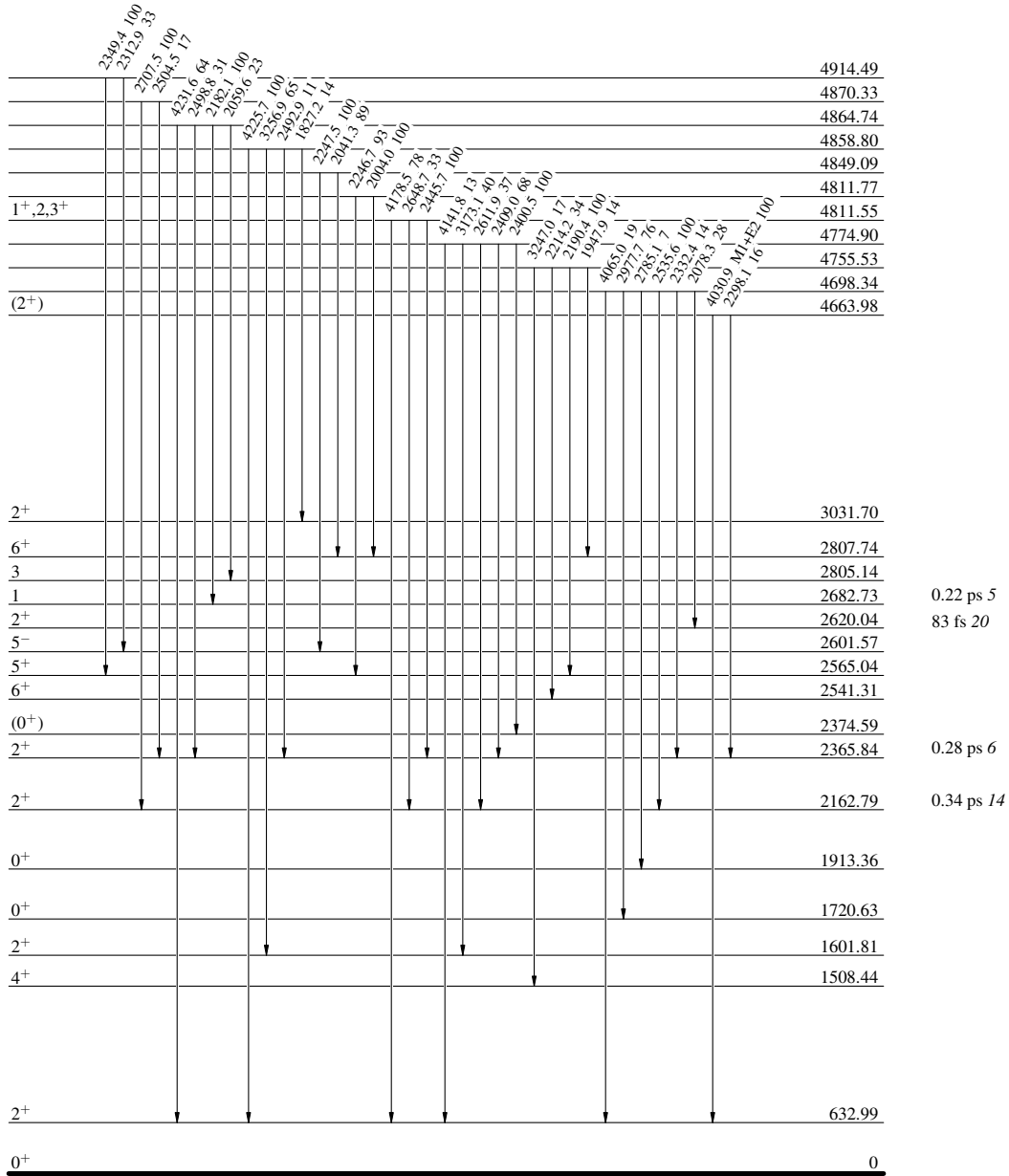
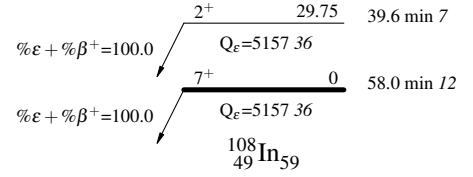
<sup>‡</sup> From  $\gamma\gamma(\theta)(\text{DCO})$  in  $(\alpha,n\gamma)$ .

# Placement of transition in the level scheme is uncertain.

<sup>108</sup>In ε decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme

Intensities: Relative photon branching from each level



<sup>108</sup>Cd<sub>60</sub>



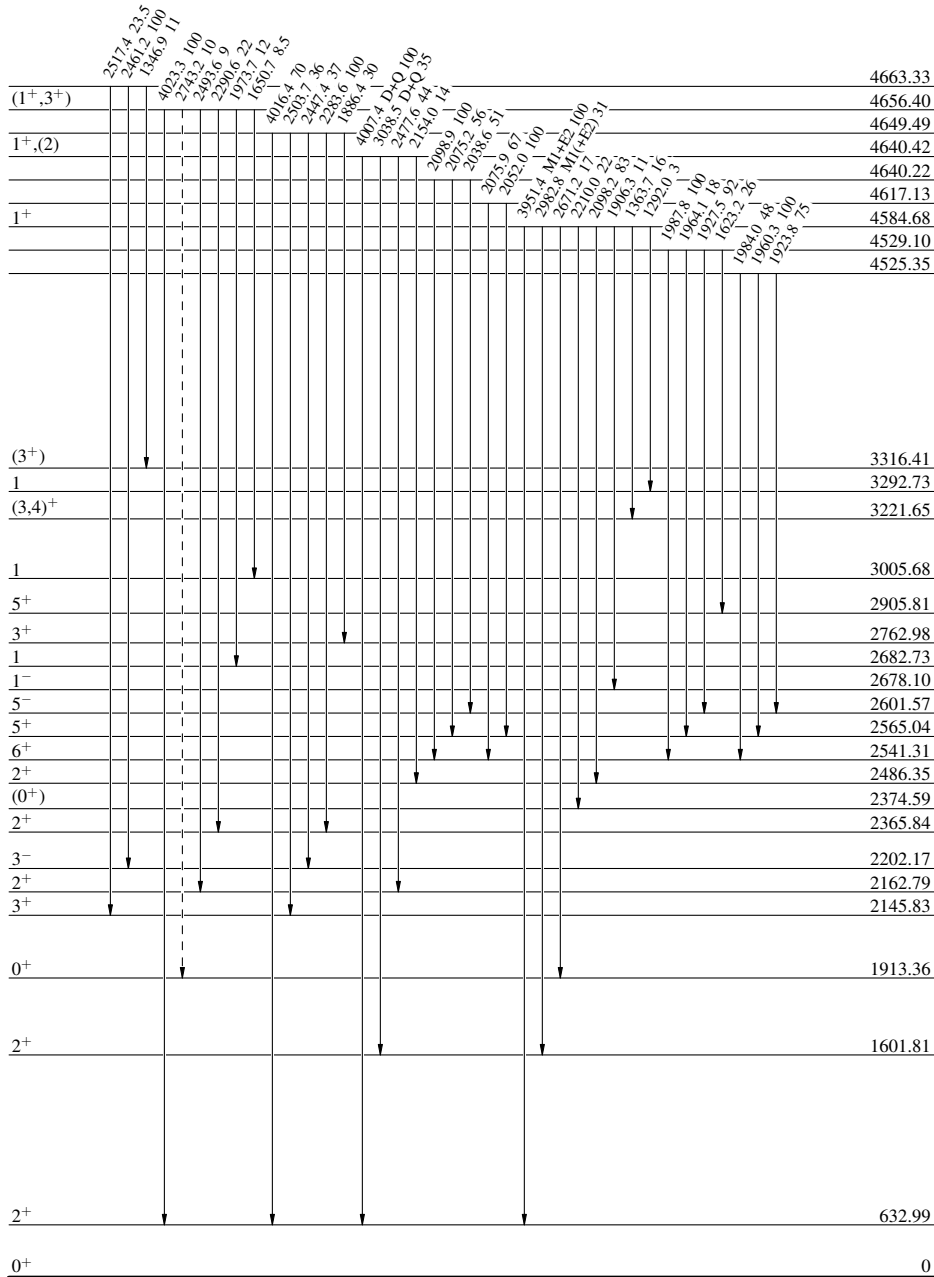
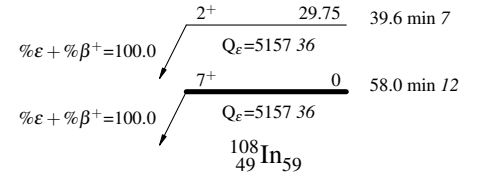
<sup>108</sup>In ε decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Legend

Intensities: Relative photon branching from each level

-----> γ Decay (Uncertain)

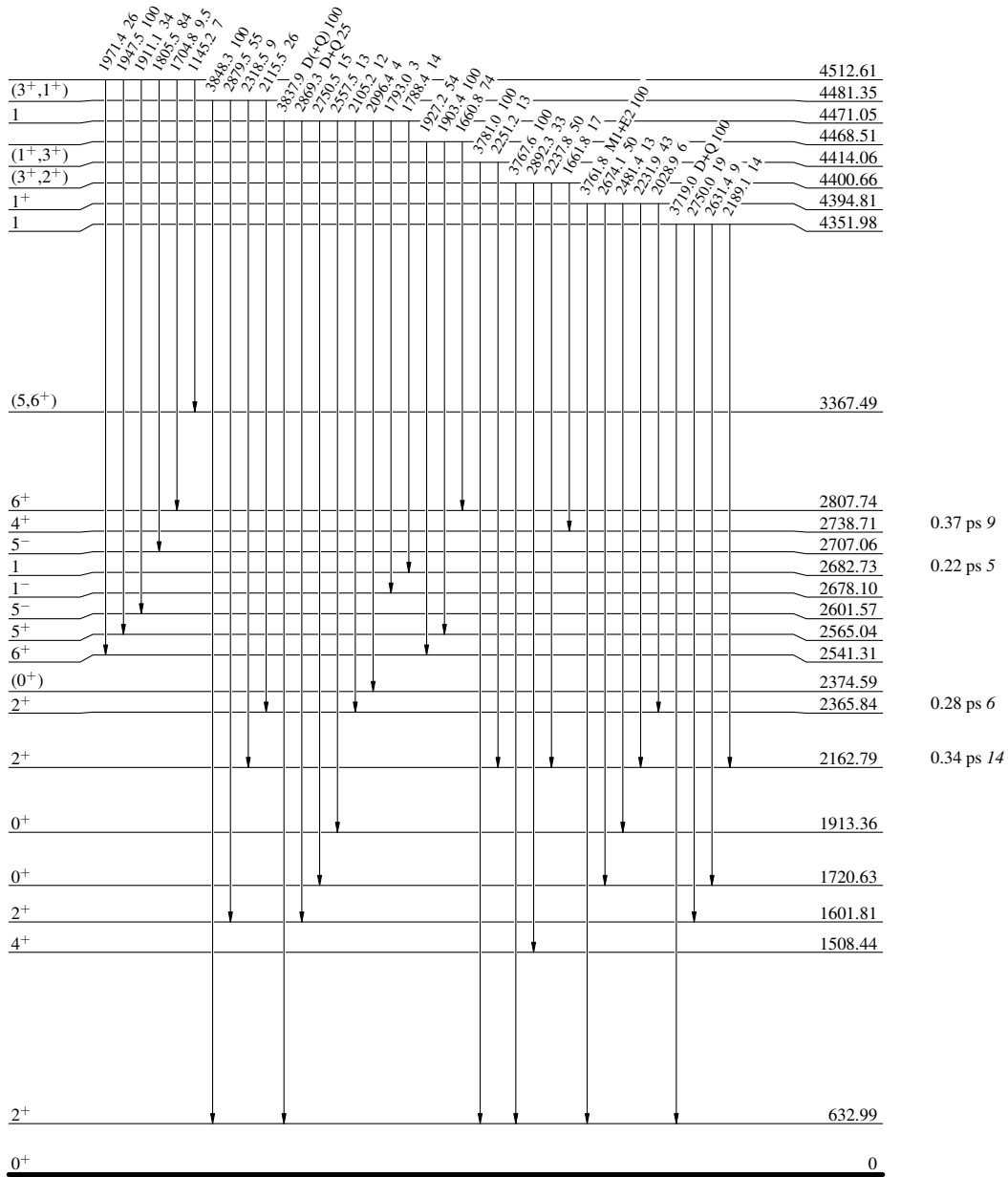
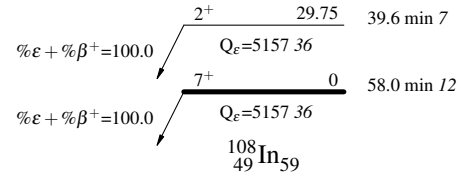


<sup>108</sup>Cd<sub>60</sub>

$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level



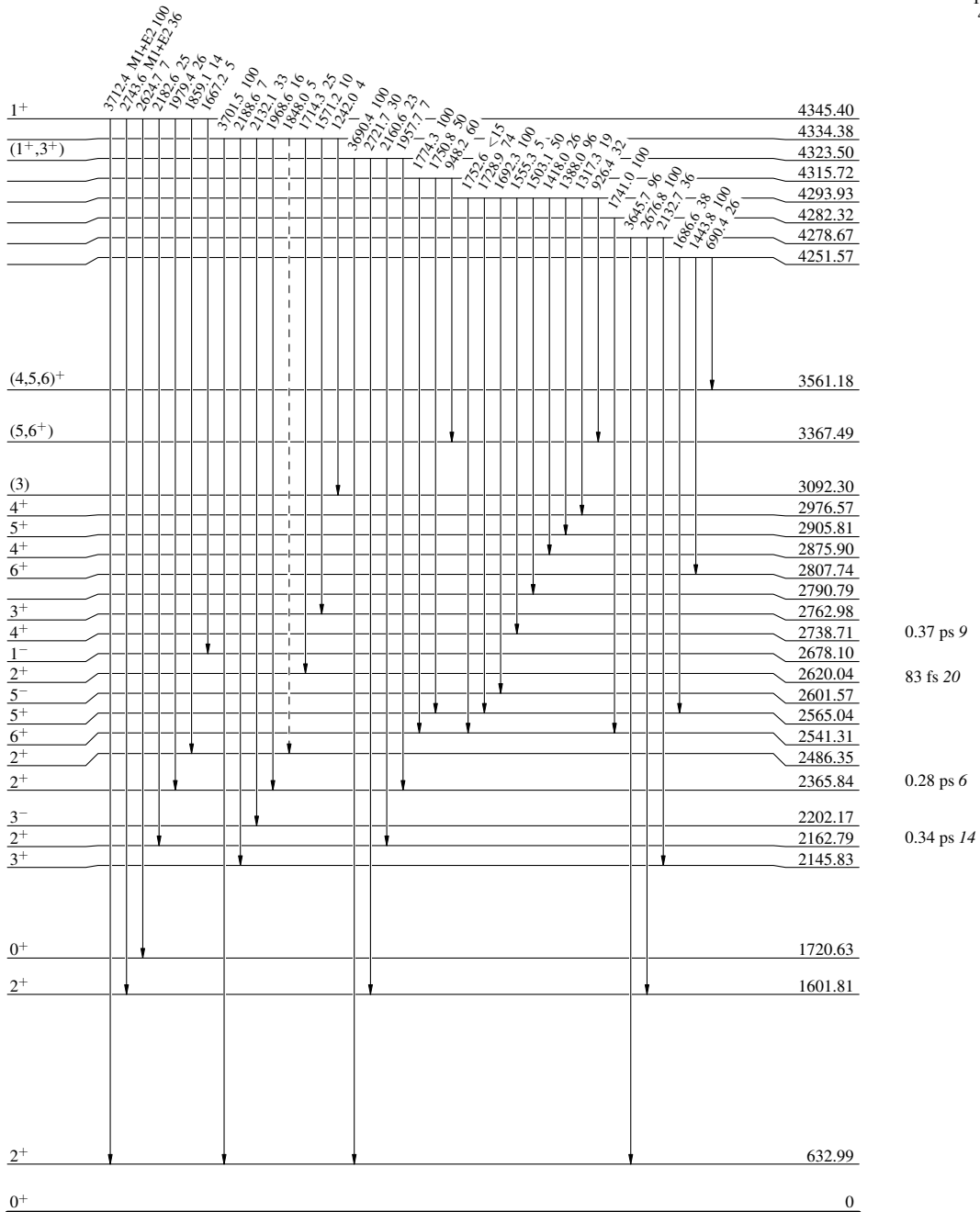
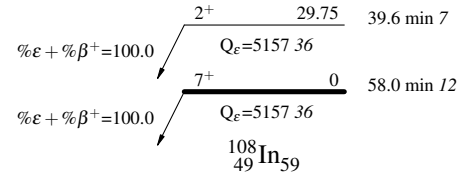
<sup>108</sup>In ε decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Legend

Intensities: Relative photon branching from each level

-----> γ Decay (Uncertain)



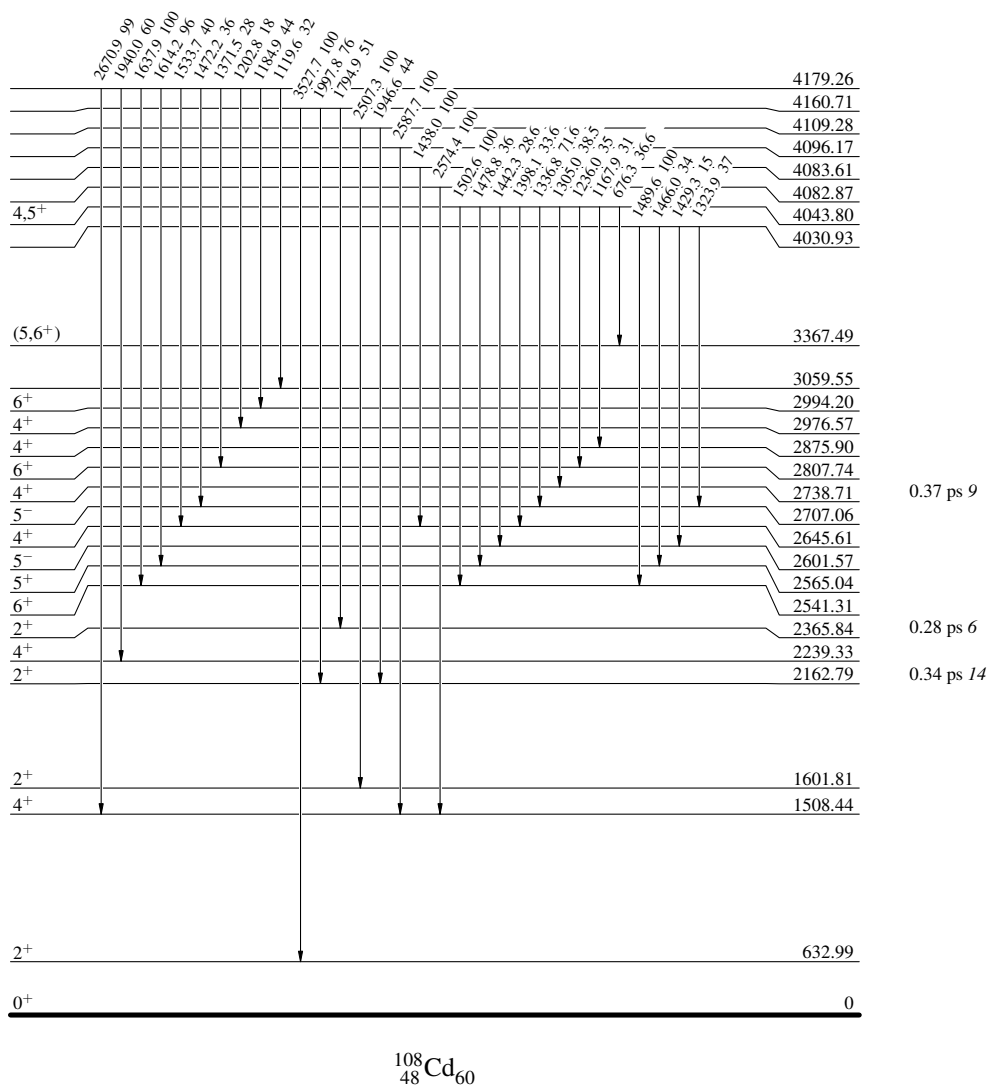
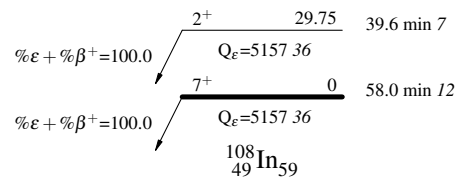
<sup>108</sup>Cd<sub>60</sub>



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

## Decay Scheme (continued)

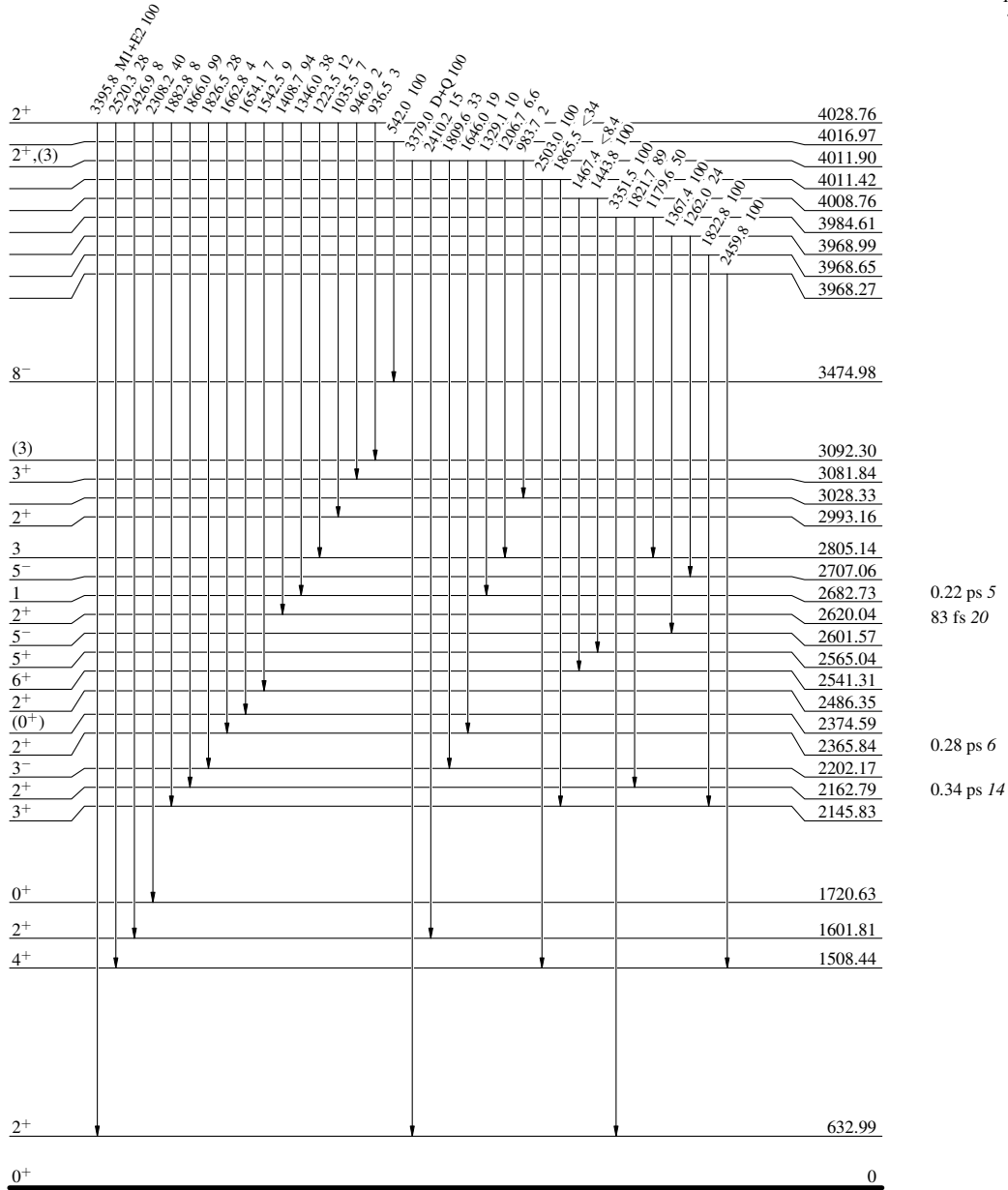
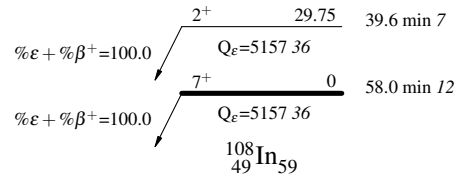
Intensities: Relative photon branching from each level



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

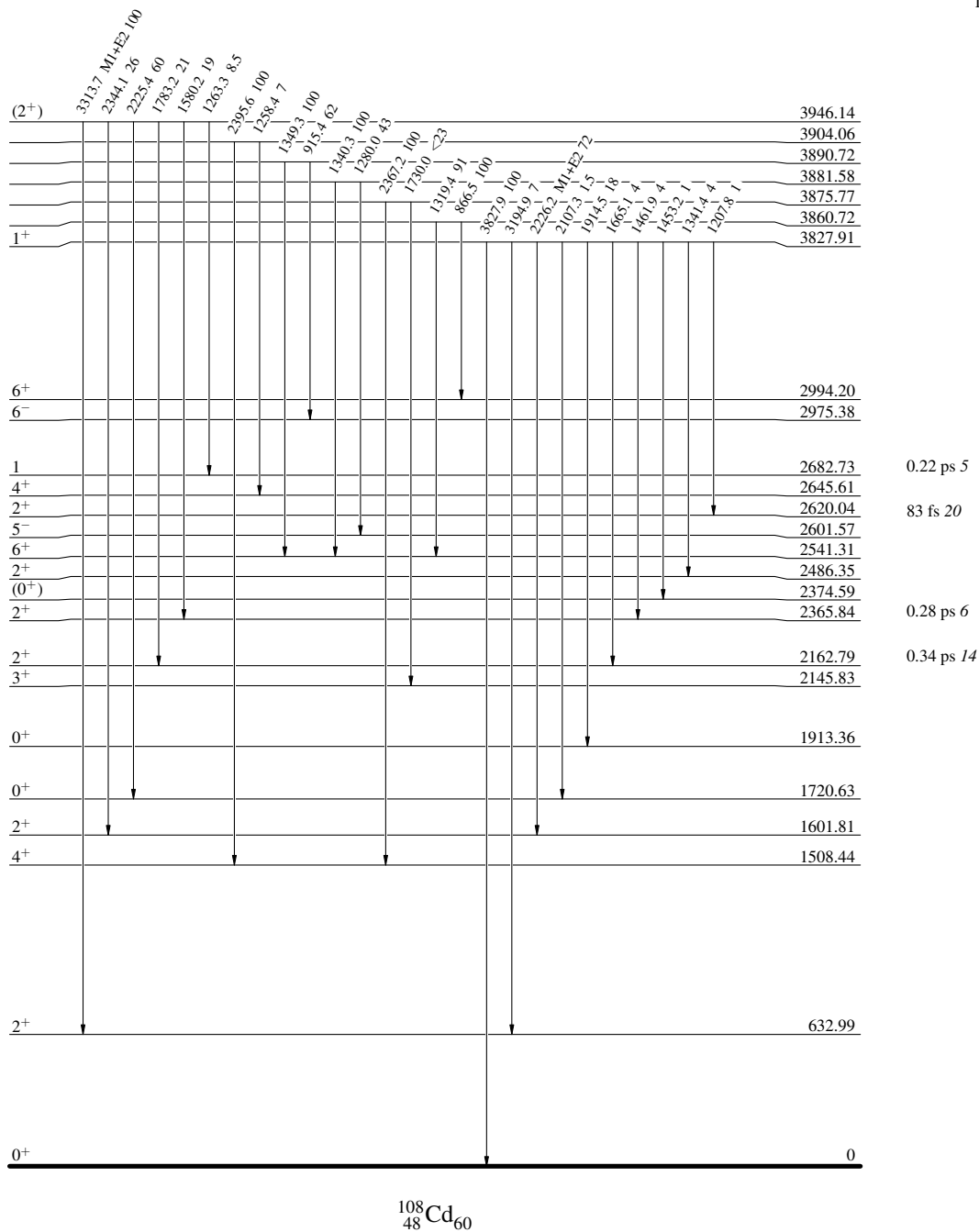
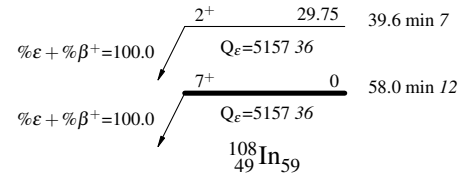
Intensities: Relative photon branching from each level



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

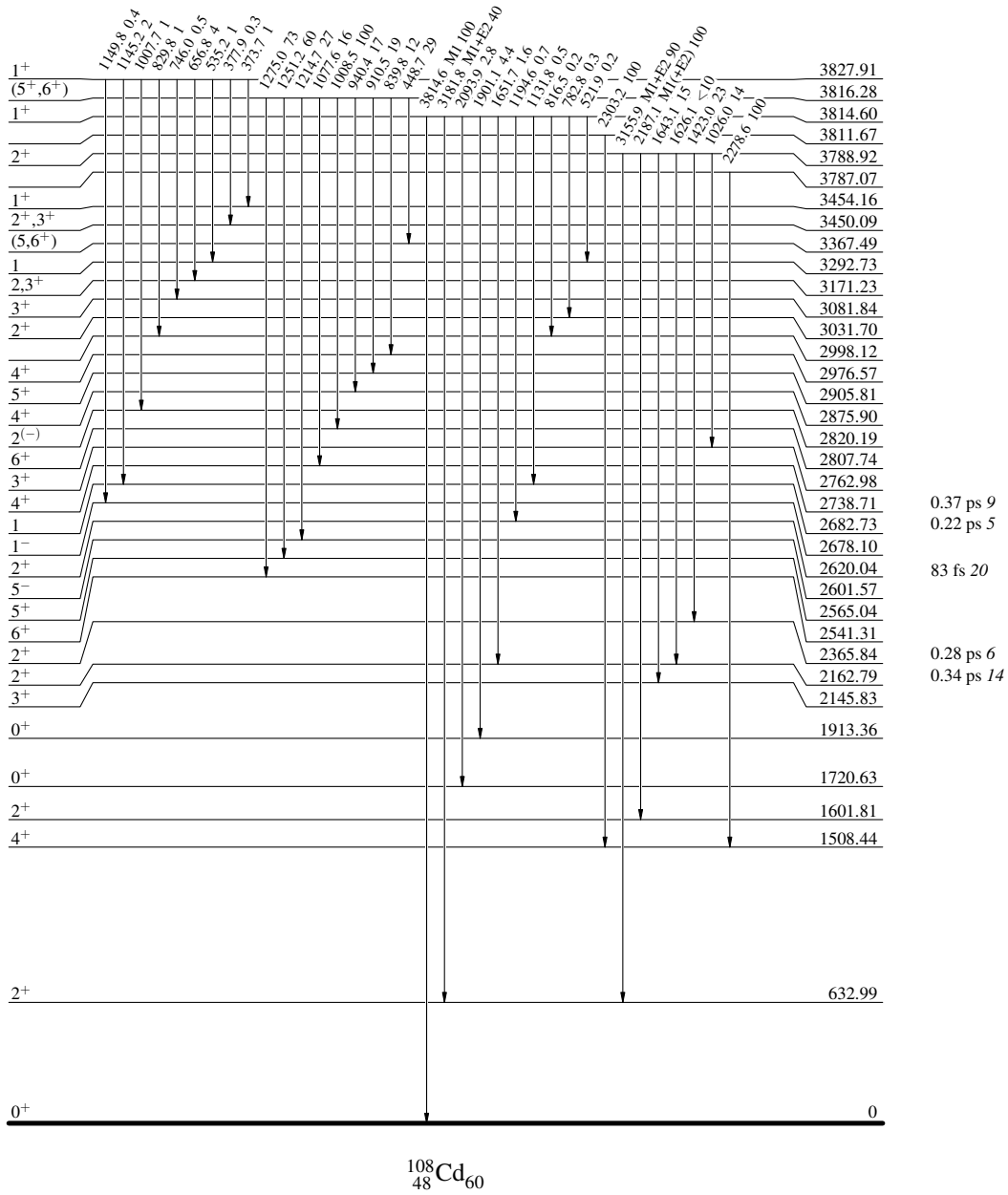
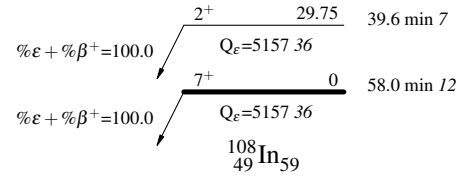
Intensities: Relative photon branching from each level



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level

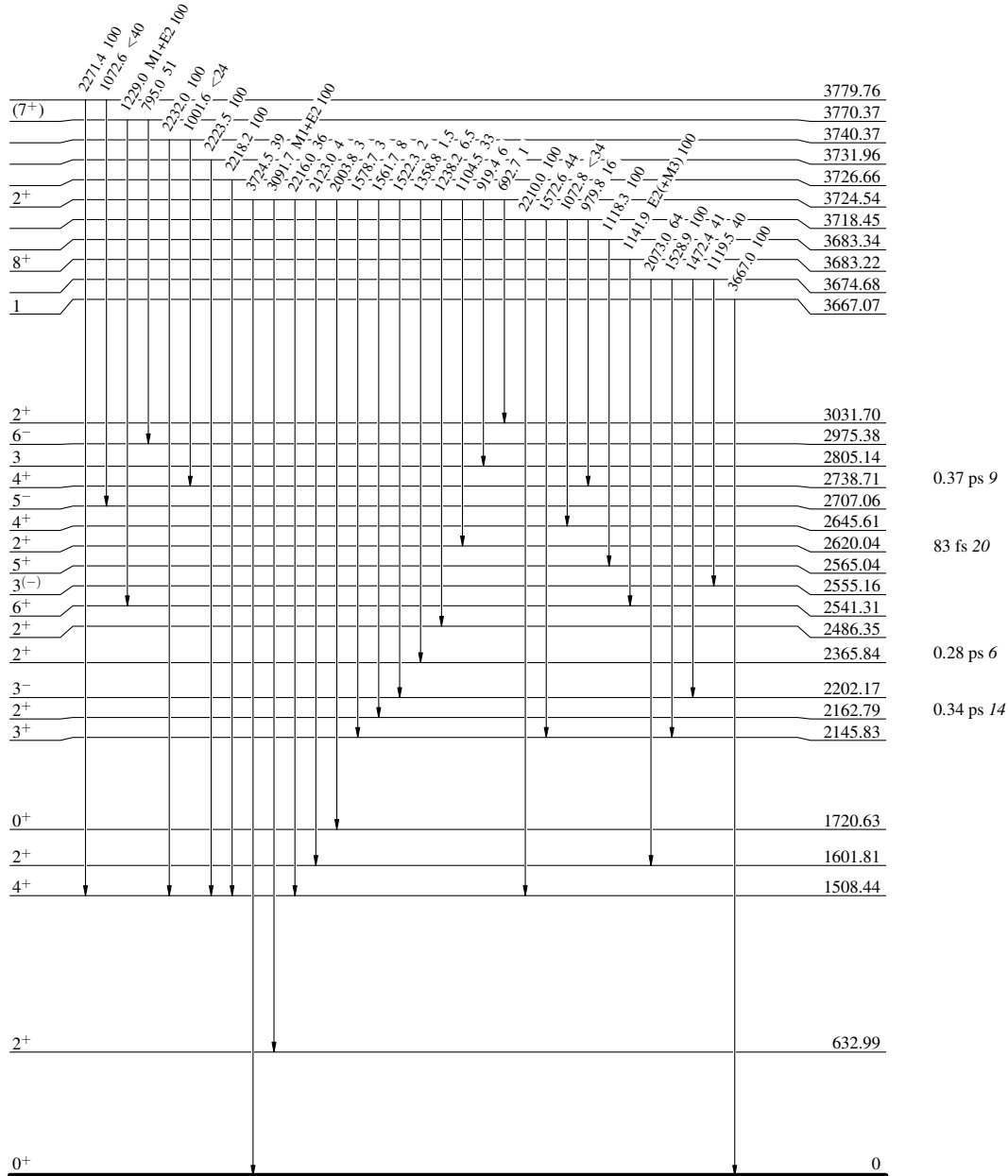
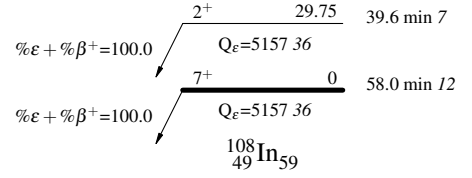




<sup>108</sup>In ε decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level

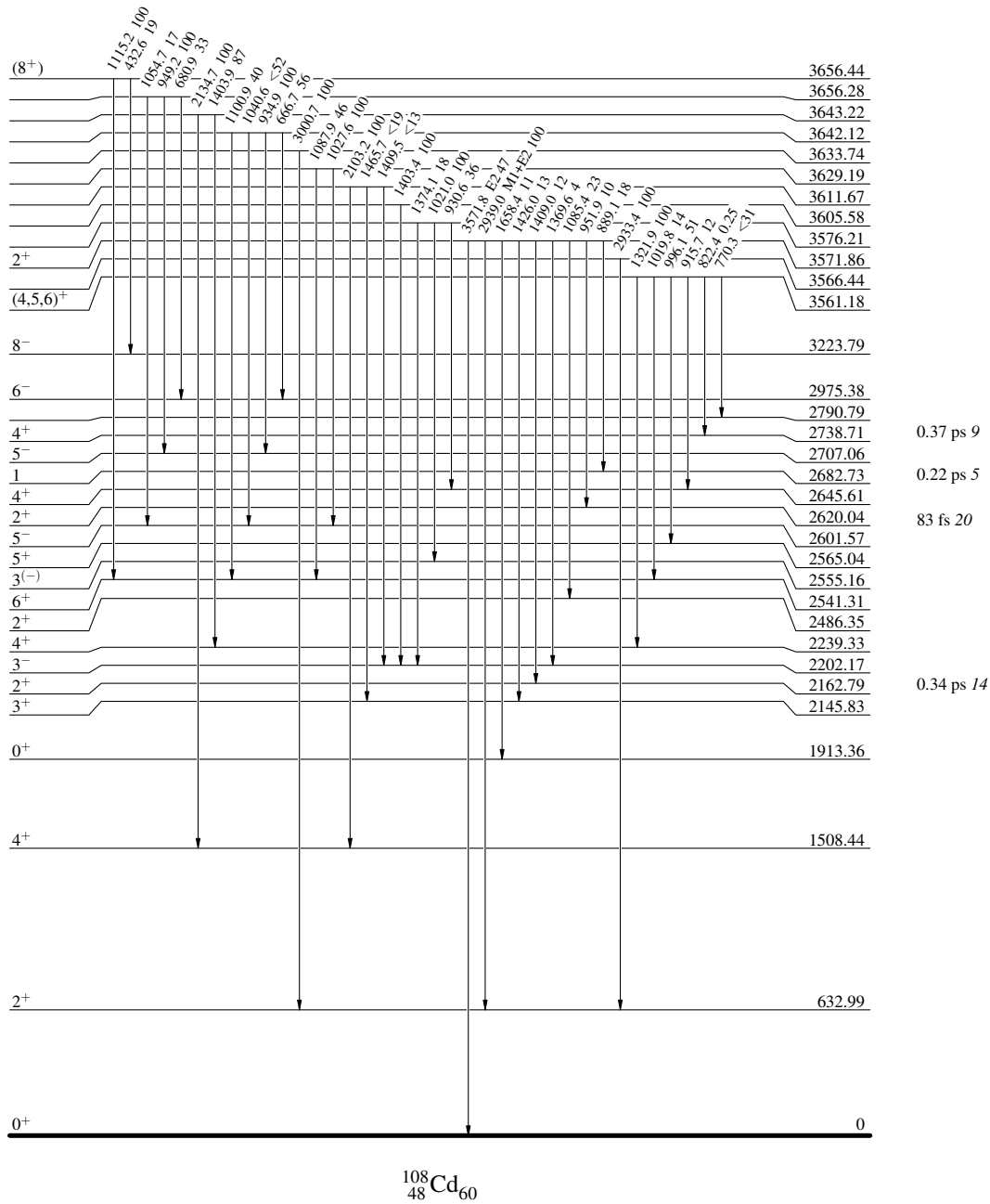
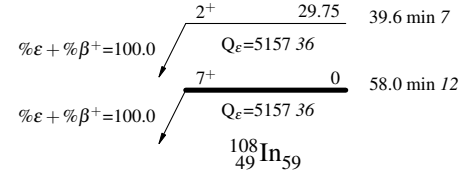


<sup>108</sup>Cd<sub>60</sub>

$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

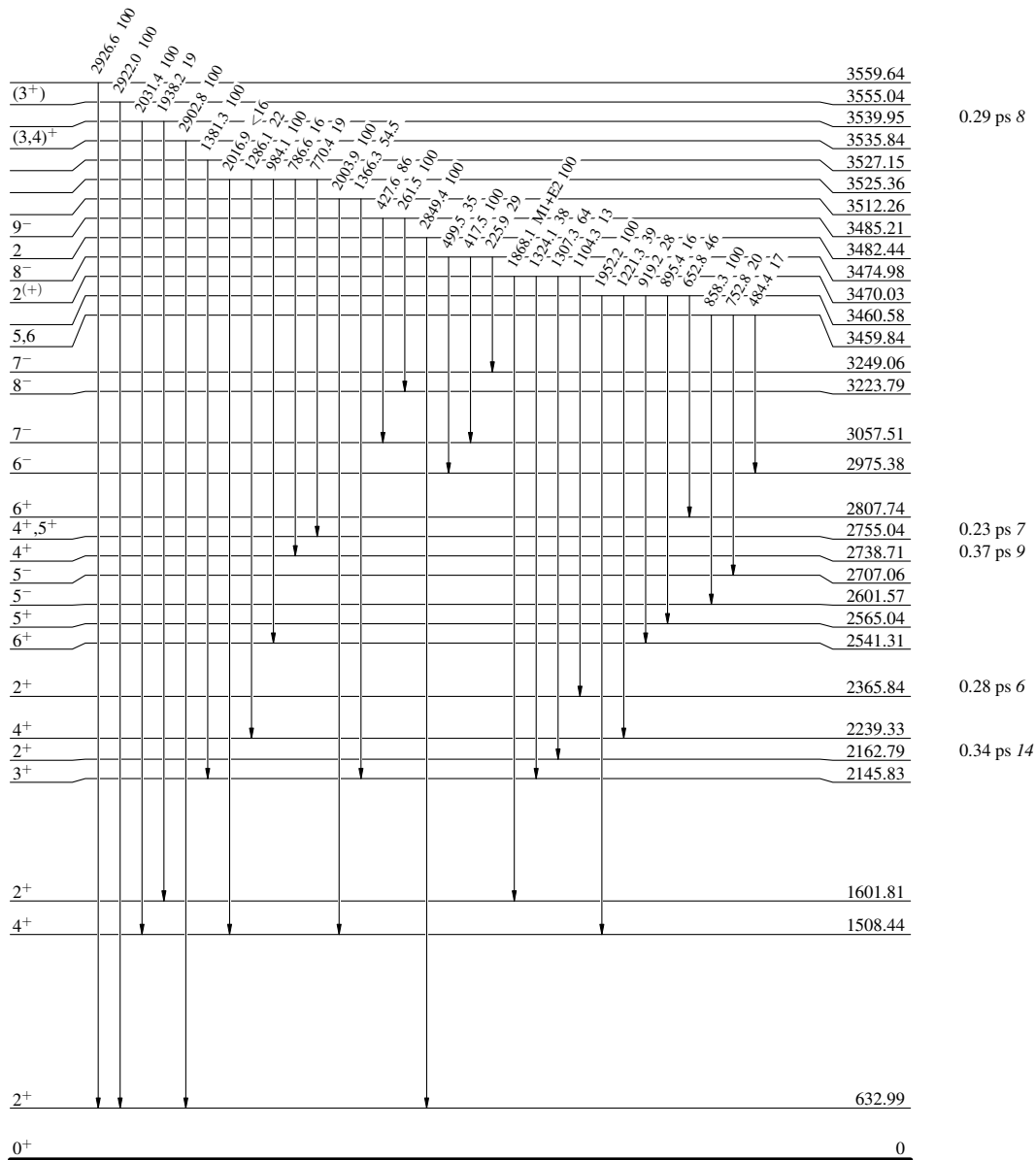
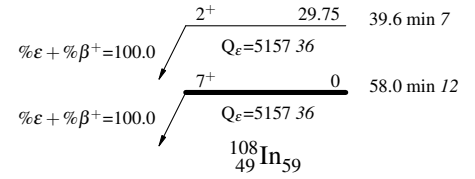
Intensities: Relative photon branching from each level



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

## Decay Scheme (continued)

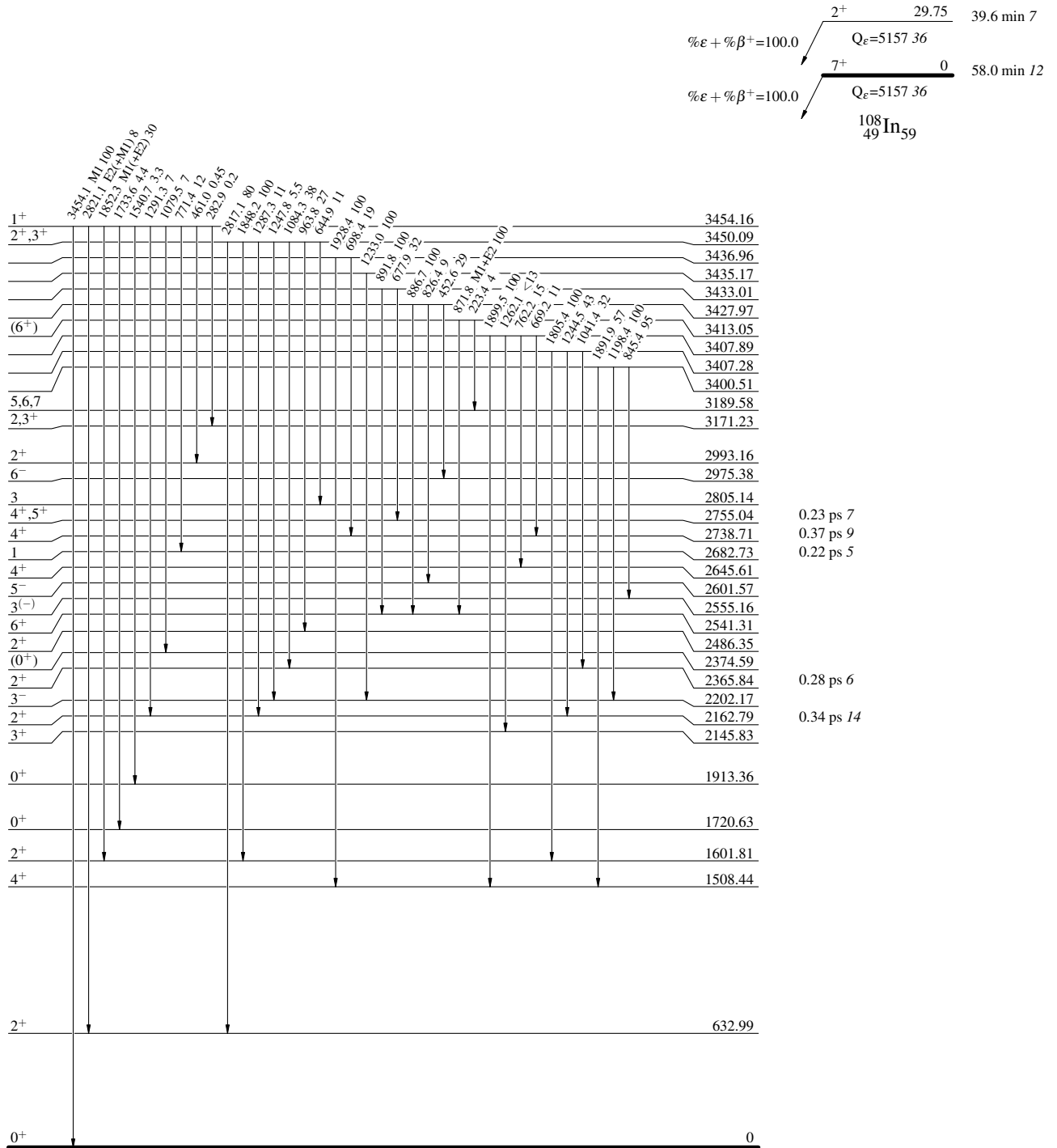
Intensities: Relative photon branching from each level

 $^{108}_{48}\text{Cd}_{60}$

$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

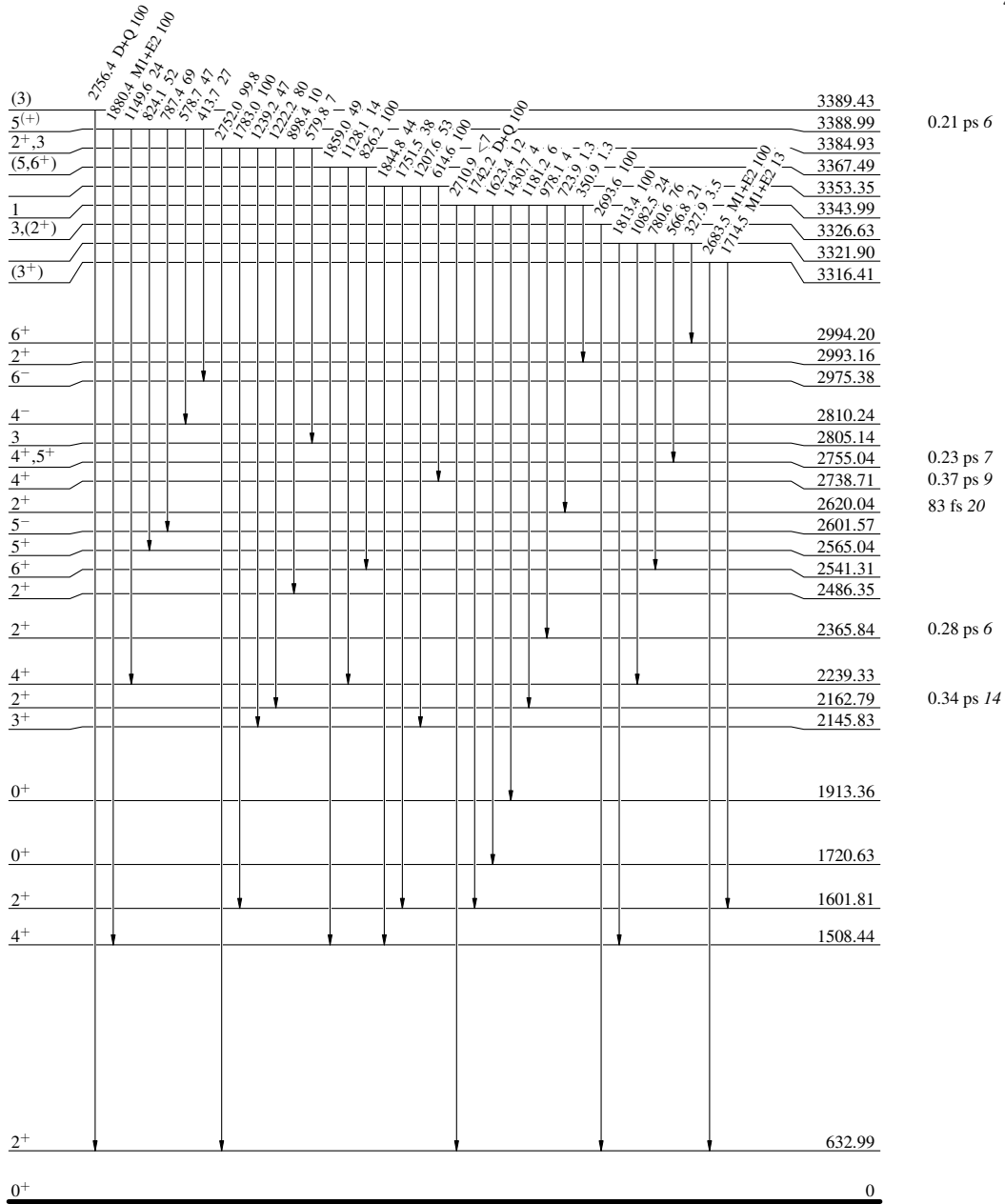
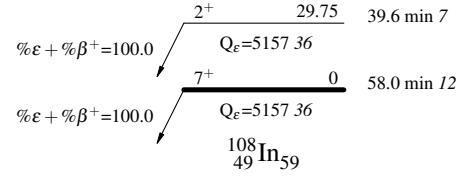
Intensities: Relative photon branching from each level



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

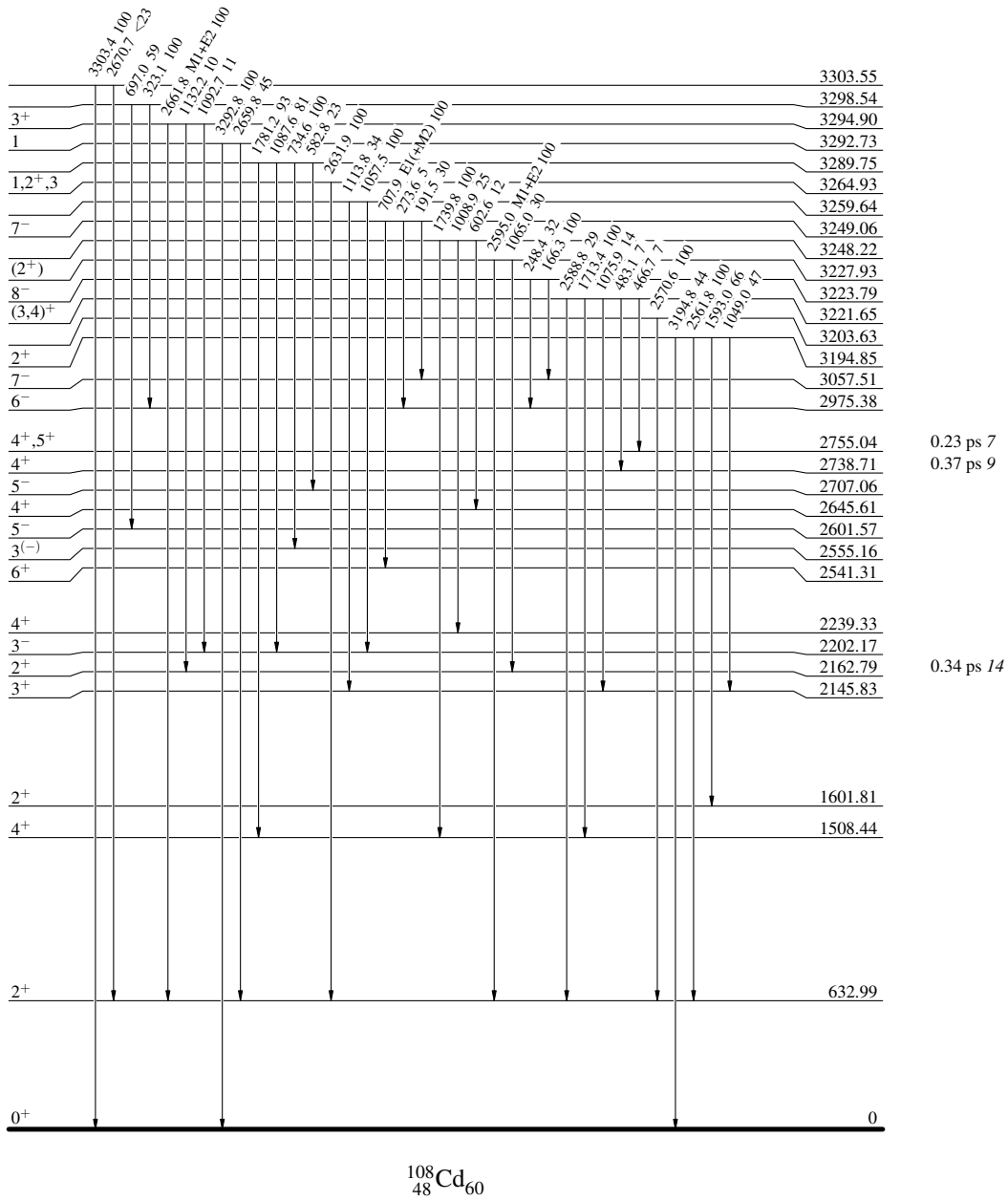
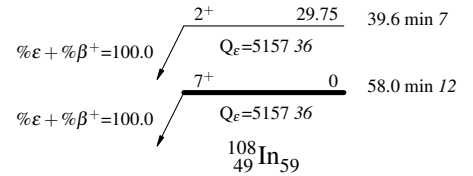
Intensities: Relative photon branching from each level



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level



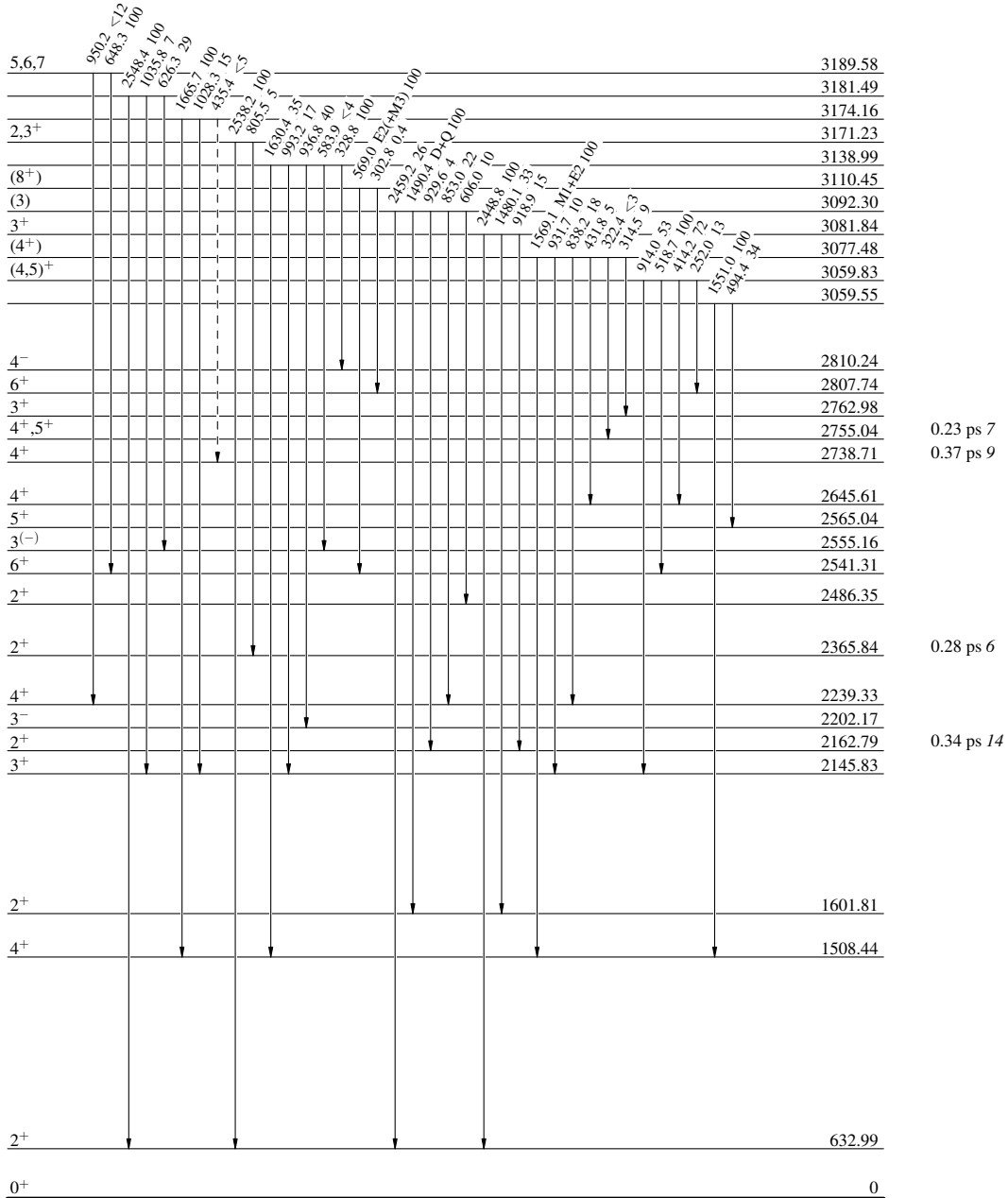
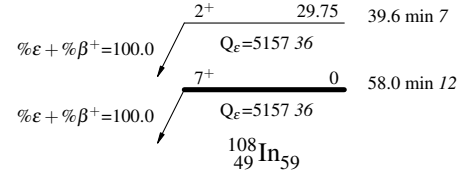
$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Legend

Intensities: Relative photon branching from each level

-----  $\gamma$  Decay (Uncertain)

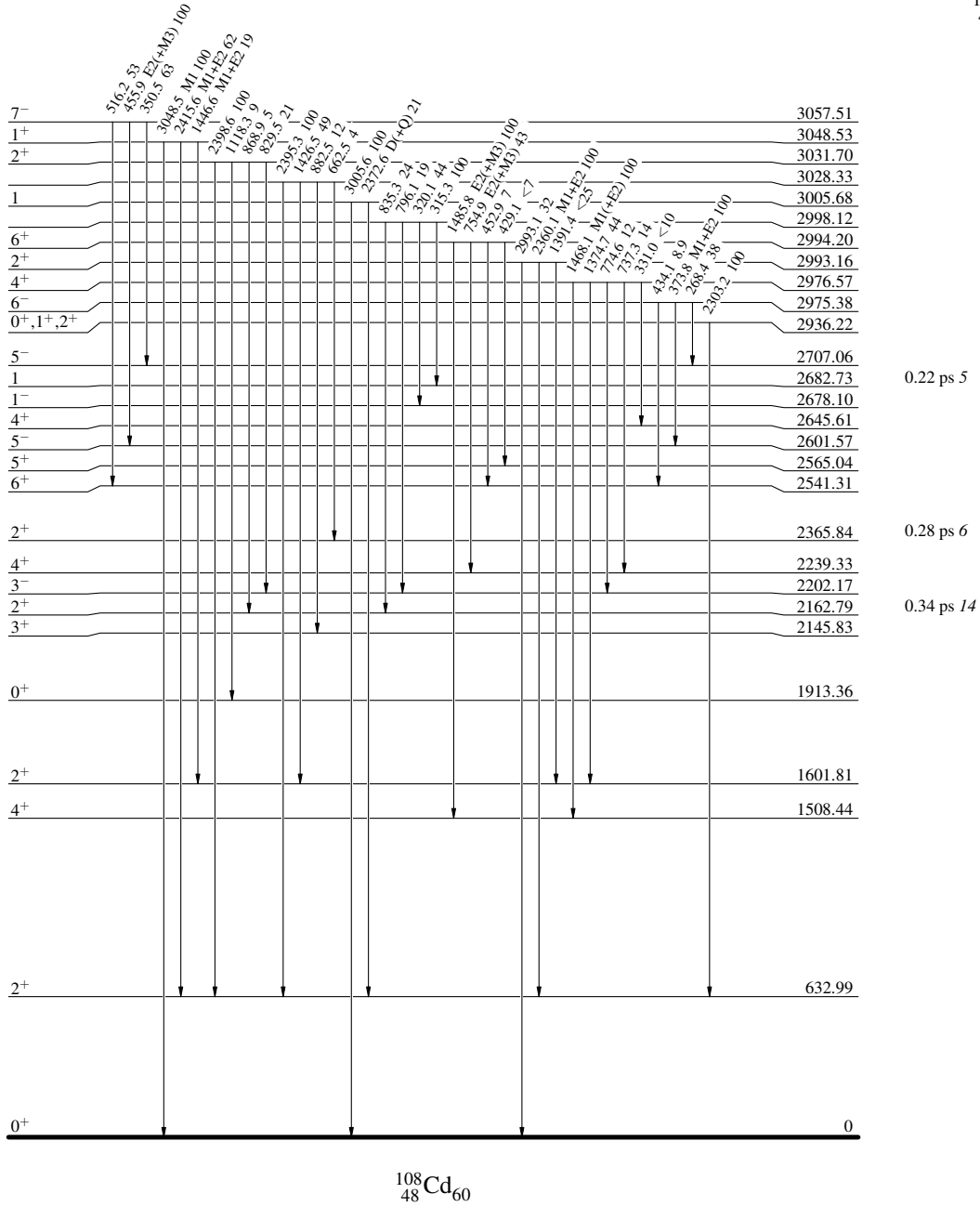
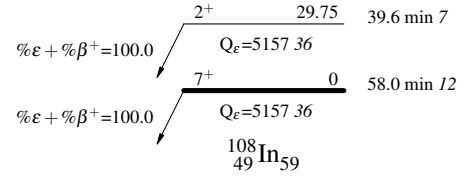


$^{108}_{48}\text{Cd}_{60}$

$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level



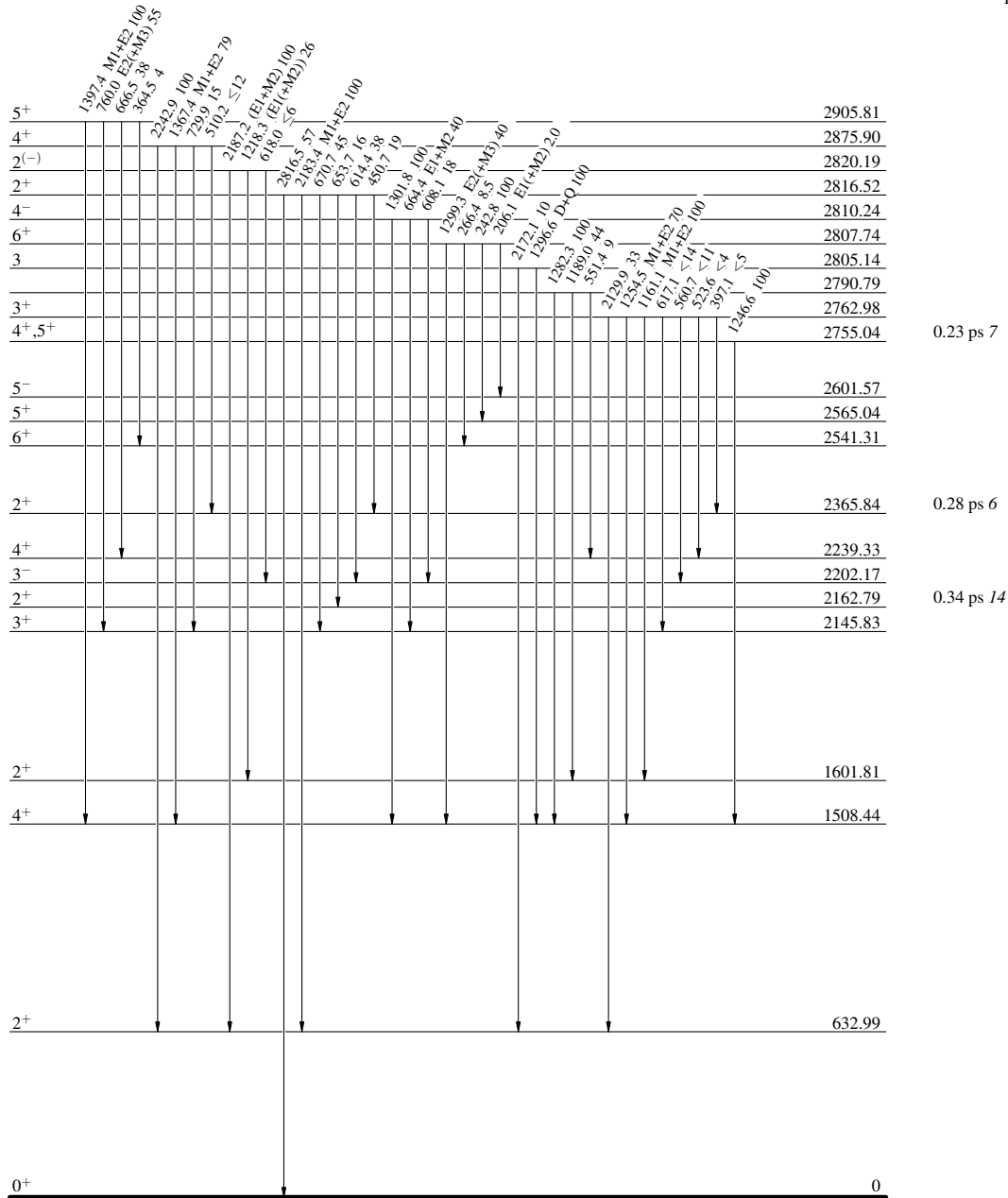
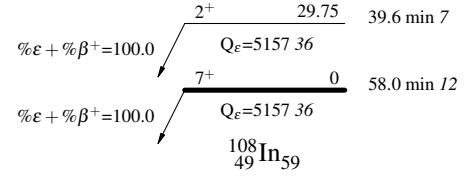
$^{108}_{48}\text{Cd}_{60}$



<sup>108</sup>In ε decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level

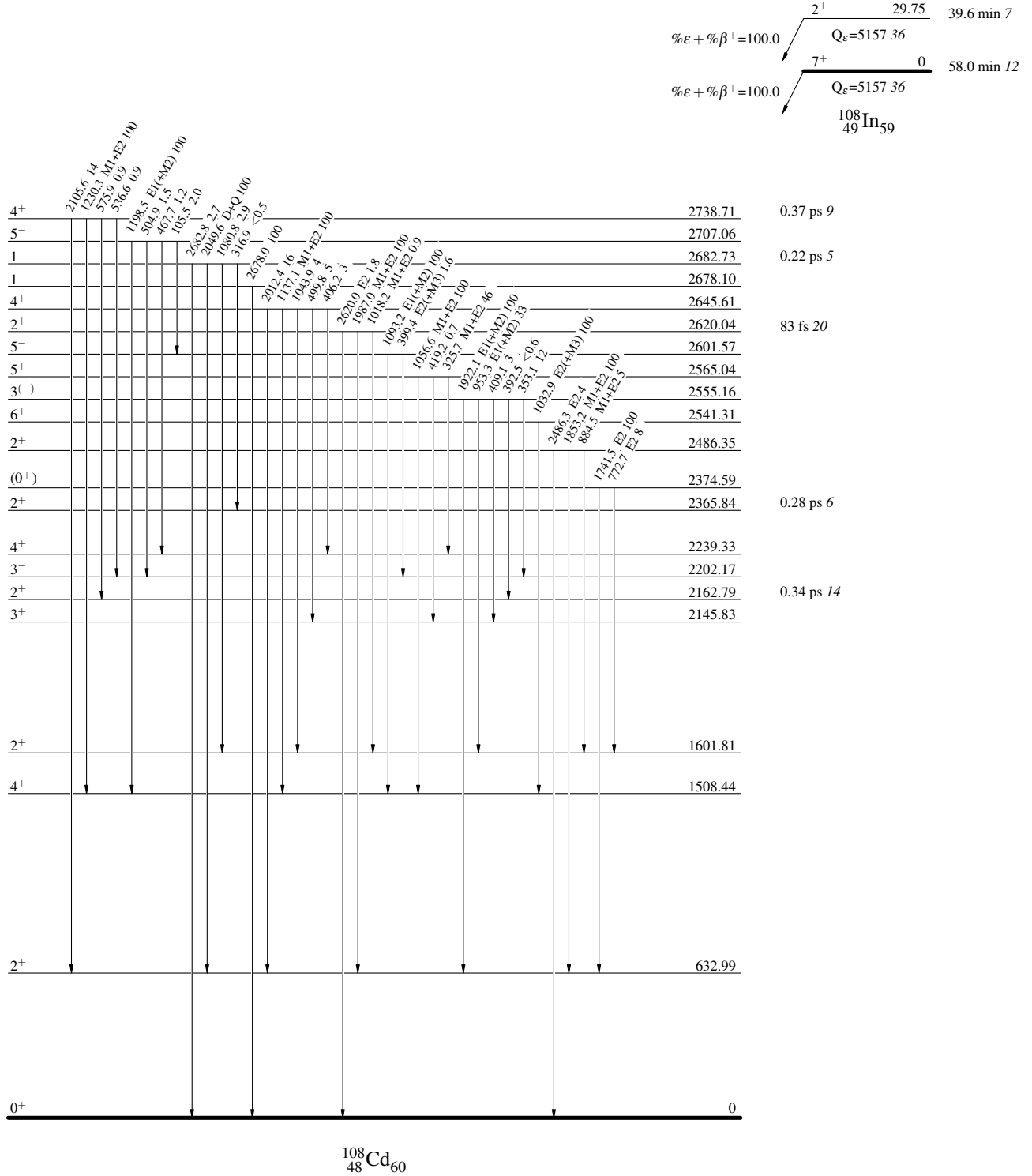


<sup>108</sup>Cd<sub>60</sub>

$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level



$^{108}\text{In}$   $\epsilon$  decay (58.0 min+39.6 min) 2002Ga35

Decay Scheme (continued)

Intensities: Relative photon branching from each level

