^{121}Ag β^- decay 1982Fo10,1982Al29

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111, 1619 (2010)	20-Jan-2009

Parent: ^{121}Ag: E=0.0; J$^\pi$=(7/2$^+$); $T_{1/2}$=0.78 s *2*; Q(β^-)=6670 *85*; %β^- decay=100.0
1982Fo10: ^{235}U(n,F), isotope separator, γ, ce, $\gamma\gamma$, $\beta\gamma$(t).
1982Al29: ^{235}U(n,F), isotope separator, E(β) from $\beta\gamma$.

^{121}Cd Levels

E(level)†	J$^\pi$‡	$T_{1/2}$	Comments
0.0	(3/2$^+$)	13.5 s *3*	
7.52 *11*	(1/2$^+$)		
214.90 *15*	(11/2$^-$)	8.3 s *8*	E(level): deduced from γ-cascade relations at 744.75-, 1510.45-, 1812.03-keV levels; E=70 *170* was deduced from observed Q(β^-) value (1982Fo10).
314.50 *6*	(5/2$^+$,7/2$^+$)	19 ns *2*	$T_{1/2}$: from $\beta\gamma$(t) in ^{121}Ag β^- decay.
329.95 *14*	(9/2$^-$,11/2$^-$)	<2 ns	$T_{1/2}$: from $\beta\gamma$(t) in ^{121}Ag β^- decay.
353.48 *6*	(5/2$^+$,7/2$^+$)		
369.35 *7*	(5/2$^+$)		
500.60 *7*	(5/2$^+$,7/2$^+$)		
508.42 *14*	(7/2$^-$,9/2)	<2 ns	$T_{1/2}$: from $\beta\gamma$(t) in ^{121}Ag β^- decay.
602.55 *10*			
725.44 *9*			
744.75 *10*			
880.12 *15*	(7/2$^-$,9/2)		
936.47 *10*			
989.48 *13*			
1071.13 *9*	(5/2$^+$)		
1095.86 *22*			
1118.09 *12*			
1170.70 *7*	(5/2$^+$,7/2$^+$)		
1191.60 *22*			
1208.04 *14*			
1233.85 *17*			
1241.12 *24*			
1243.58 *21*			
1249.32 *17*			
1341.13 *24*	(7/2$^-$,9/2)		
1371.03 *15*			
1400.7 *3*			
1510.45 *6*	(5/2$^+$,7/2$^+$)		
1516.34 *13*			
1617.59 *22*			
1685.56 *9*	(5/2$^+$,7/2$^+$)		
1812.03 *12*	(5/2$^+$,7/2$^+$)		
1823.6 *6*			
1841.3 *5*			
1908.26 *22*			
1925.5 *3*			
1988.78 *22*			
2100.9 *4*			
2134.02 *21*			
2162.7 *3*			
2165.66 *14*	(5/2$^+$,7/2$^+$)		
2327.9 *3*			
2405.2 *3*			
2416.3 *8*			

Continued on next page (footnotes at end of table)

^{121}Ag β^- decay 1982Fo10,1982Al29 (continued)

^{121}Cd Levels (continued)

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†
2443.8 *5*		2797.95 *19*	(5/2+,7/2+,9/2+)	2946.8 *5*
2518.32 *15*	(5/2+,7/2+)	2825.25 *22*	(5/2+,7/2+)	3015.2 *5*
2676.2 *3*		2872.67 *23*	(5/2+,7/2+,9/2+)	3048.2 *5*
2717.5 *5*		2881.3 *3*	(5/2+,7/2+)	

† E(levels) are based on a least-squares fit to E(γ's).
‡ From Adopted Levels.

β^- radiations

E(decay)	E(level)	Iβ−†	Log *ft*	Comments
(3.62×10^3 *9*)	3048.2	0.26 *7*	6.14 *13*	av Eβ=1542 *41*
(3.65×10^3 *9*)	3015.2	0.16 *7*	6.37 *20*	av Eβ=1557 *41*
(3.72×10^3 *9*)	2946.8	0.19 *7*	6.33 *17*	av Eβ=1590 *41*
(3.79×10^3 *9*)	2881.3	1.75 *11*	5.39 *6*	av Eβ=1621 *41*
(3.80×10^3 *9*)	2872.67	0.96 *7*	5.66 *6*	av Eβ=1625 *41*
(3.84×10^3 *9*)	2825.25	1.12 *11*	5.62 *6*	av Eβ=1647 *41*
(3.87×10^3 *9*)	2797.95	1.41 *12*	5.53 *6*	av Eβ=1660 *41*
(3.95×10^3 *9*)	2717.5	0.11 *4*	6.68 *17*	av Eβ=1698 *41*
(3.99×10^3 *9*)	2676.2	0.40 *7*	6.13 *9*	av Eβ=1718 *41*
(4.15×10^3 *9*)	2518.32	2.78 *14*	5.37 *5*	av Eβ=1793 *41* E(β)=3850 *240* (sum of E(β) spectra in coin with 2518γ, 2204γ) (1982Al29).
(4.23×10^3 *9*)	2443.8	0.16 *7*	6.64 *20*	av Eβ=1828 *41*
(4.25×10^3 *9*)	2416.3	0.48 *16*	6.17 *15*	av Eβ=1841 *41*
(4.26×10^3 *9*)	2405.2	0.32 *7*	6.36 *11*	av Eβ=1846 *41*
(4.34×10^3 *9*)	2327.9	0.19 *7*	6.62 *17*	av Eβ=1883 *41*
(4.50×10^3 *9*)	2165.66	1.06 *15*	5.94 *8*	av Eβ=1960 *41*
(4.51×10^3 *9*)	2162.7	0.32 *7*	6.46 *11*	av Eβ=1961 *41*
(4.54×10^3 *9*)	2134.02	0.67 *10*	6.15 *8*	av Eβ=1975 *41*
(4.57×10^3 *9*)	2100.9	0.42 *7*	6.37 *9*	av Eβ=1991 *41*
(4.68×10^3 *9*)	1988.78	0.55 *7*	6.30 *7*	av Eβ=2044 *41*
(4.74×10^3 *9*)	1925.5	0.29 *7*	6.60 *11*	av Eβ=2074 *41*
(4.76×10^3 *9*)	1908.26	0.58 *7*	6.31 *7*	av Eβ=2082 *41*
(4.83×10^3 *9*)	1841.3	0.22 *10*	6.76 *20*	av Eβ=2114 *41*
(4.85×10^3 *9*)	1823.6	0.32 *13*	6.60 *18*	av Eβ=2123 *41*
(4.86×10^3 *9*)	1812.03	2.69 *18*	5.68 *5*	av Eβ=2128 *41*
(4.98×10^3 *9*)	1685.56	3.36 *19*	5.63 *5*	av Eβ=2188 *41*
(5.05×10^3 *9*)	1617.59	0.22 *7*	6.84 *15*	av Eβ=2221 *41*
(5.15×10^3 *9*)	1516.34	0.51 *7*	6.51 *7*	av Eβ=2269 *41*
(5.16×10^3 *9*)	1510.45	19.6 *7*	4.93 *4*	av Eβ=2272 *41* E(β)=4920 *190* from βγ (1982Al29).
(5.27×10^3 *9*)	1400.7	0.29 *7*	6.80 *11*	av Eβ=2324 *41*
(5.33×10^3 *9*)	1341.13	0.54 *8*	6.55 *8*	av Eβ=2352 *41*
(5.42×10^3 *9*)	1249.32	1.06 *7*	6.29 *5*	av Eβ=2396 *41*
(5.43×10^3 *9*)	1243.58	0.26 *7*	6.91 *13*	av Eβ=2398 *41*
(5.43×10^3 *9*)	1241.12	0.54 *7*	6.59 *7*	av Eβ=2400 *41*
(5.44×10^3 *9*)	1233.85	0.96 *7*	6.34 *5*	av Eβ=2403 *41*
(5.46×10^3 *9*)	1208.04	0.96 *20*	6.35 *10*	av Eβ=2415 *41*
(5.48×10^3 *9*)	1191.60	0.45 *10*	6.69 *11*	av Eβ=2423 *41*
(5.50×10^3 *9*)	1170.70	9.2 *4*	5.38 *4*	av Eβ=2433 *41* E(β)=5200 *240* (weighted average of E(β′s) in coin with 801γ, 817γ, 856γ)

Continued on next page (footnotes at end of table)

^{121}Ag β^- decay 1982Fo10,1982Al29 (continued)

β^- radiations (continued)

E(decay)	E(level)	Iβ^- †	Log *ft*	Comments
				(1982Al29).
(5.55×10^3 *9*)	1118.09	0.64 *7*	6.56 *6*	av Eβ=2458 *41*
(5.57×10^3 *9*)	1095.86	0.51 *7*	6.67 *7*	av Eβ=2469 *41*
(5.60×10^3 *9*)	1071.13	2.59 *18*	5.97 *5*	av Eβ=2481 *41*
(5.68×10^3 *9*)	989.48	1.34 *14*	6.28 *6*	av Eβ=2519 *41*
(5.73×10^3 *9*)	936.47	0.45 *25*	6.77 *25*	av Eβ=2545 *41*
(5.79×10^3 *9*)	880.12	1.89 *21*	6.17 *6*	av Eβ=2571 *41*
(5.93×10^3 *9*)	744.75	3.94 *23*	5.90 *4*	av Eβ=2636 *41* E(β)=5540 *650* (coin with 430γ) (1982Al29).
(5.94×10^3 *9*)	725.44	2.4 *4*	6.12 *8*	av Eβ=2645 *41*
(6.07×10^3 *9*)	602.55	0.67 *15*	6.71 *11*	av Eβ=2704 *41*
(6.16×10^3 *9*)	508.42	3.3 *4*	6.05 *6*	av Eβ=2748 *41*
(6.17×10^3 *9*)	500.60	5.8 *7*	5.81 *6*	av Eβ=2752 *41*
(6.30×10^3 *9*)	369.35	3.3 *4*	6.09 *6*	av Eβ=2815 *41*
(6.32×10^3 *9*)	353.48	2.7 *11*	6.18 *18*	av Eβ=2822 *41*
(6.36×10^3 *9*)	314.50	15.1 *11*	5.45 *5*	av Eβ=2841 *41*

† Absolute intensity per 100 decays.

$\gamma(^{121}Cd)$

Iγ normalization: from I(γ+ce to g.s. +7.52 level + 214.89 level)=100, assuming no β^- to g.s. and 7.52 level (2nd forbidden) or 214.89 level (1U β^-) (1982Fo10).

E_γ[†]	I_γ[†#]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[‡]	α[@]	$I_{(\gamma+ce)}$[#]	Comments
7.52 *11*		7.52	(1/2⁺)	0.0	(3/2⁺)	[M1,E2]		15.7 *6*	α: α=127 *6* for M1, 9.90×10^4 *8* for E2. E_γ: deduced from the level scheme. $I_{(\gamma+ce)}$: from an intensity balance at the 7.52 level.
[x]17.62 *10*	1.0 *4*								
[x]68.44 *10*	0.25 *8*								
115.02 *10*	17.1 *11*	329.95	(9/2⁻,11/2⁻)	214.90	(11/2⁻)	M1	0.313		α(K)=0.271 *4*; α(L)=0.0339 *5*; α(M)=0.00651 *10*; α(N+..)=0.001226 *18* α(N)=0.001160 *17*; α(O)=6.62×10^{-5} *10* α(K)exp=0.23 *3*.
147.10 *10*	0.70 *8*	500.60	(5/2⁺,7/2⁺)	353.48	(5/2⁺,7/2⁺)				
178.47 *10*	10.4 *8*	508.42	(7/2⁻,9/2)	329.95	(9/2⁻,11/2⁻)	D			α(K)exp<0.10.
[x]204.4 *6*	0.11 *3*								
293.47 *10*	7.3 *4*	508.42	(7/2⁻,9/2)	214.90	(11/2⁻)	[E2]	0.0349		α(K)=0.0296 *5*; α(L)=0.00435 *7*; α(M)=0.000844 *12*; α(N+..)=0.0001529 *22* α(N)=0.0001465 *21*; α(O)=6.41×10^{-6} *9*
314.55 *10*	100 *3*	314.50	(5/2⁺,7/2⁺)	0.0	(3/2⁺)	(E2)	0.0278		α(K)=0.0236 *4*; α(L)=0.00341 *5*; α(M)=0.000661 *10*; α(N+..)=0.0001200 *17* α(N)=0.0001149 *17*; α(O)=5.16×10^{-6} *8* M1,E2 from α(K)exp=0.018 *4*. Decay scheme requires ΔJ=2.
[x]320.37 *20*	0.93 *10*								
345.64 *10*	1.6 *2*	1516.34		1170.70	(5/2⁺,7/2⁺)				
353.43 *10*	62 *3*	353.48	(5/2⁺,7/2⁺)	0.0	(3/2⁺)	M1,E2	0.0174 *18*		α(K)=0.0150 *14*; α(L)=0.0020 *4*; α(M)=0.00038 *7*; α(N+..)=7.0×10^{-5} *11* α(N)=6.7×10^{-5} *11*; α(O)=3.45×10^{-6} *16* Mult.: from α(K)exp=0.016 *4*; α: for δ=1.0, uncertainty chosen to overlap M1, E2 theory values.
361.88 *10*	12.1 *5*	369.35	(5/2⁺)	7.52	(1/2⁺)	[E2]	0.01771		α(K)=0.01511 *22*; α(L)=0.00211 *3*; α(M)=0.000408 *6*; α(N+..)=7.46×10^{-5} *11* α(N)=7.12×10^{-5} *10*; α(O)=3.35×10^{-6} *5*
[x]365.66 *22*	0.51 *10*								
369.33[&] *10*	17.4[&] *6*	369.35	(5/2⁺)	0.0	(3/2⁺)	[M1,E2]	0.0153 *13*		α(K)=0.0132 *10*; α(L)=0.00172 *25*; α(M)=0.00033 *5*; α(N+..)=6.2×10^{-5} *9* α(N)=5.9×10^{-5} *8*; α(O)=3.05×10^{-6} *11*
369.33[&] *10*	1.5[&] *1*	1249.32		880.12	(7/2⁻,9/2)				
371.82[&] *10*	10.3[&] *5*	725.44		353.48	(5/2⁺,7/2⁺)				

^{121}Ag β^- decay 1982Fo10,1982Al29 (continued)

$\gamma(^{121}$Cd) (continued)

E_γ[†]	I_γ[†#]	E_i(level)	J_i^π	E_f	J_f^π
371.82[&] 10	0.5[&]	880.12	$(7/2^-,9/2)$	508.42	$(7/2^-,9/2)$
415.00 20	2.0 2	744.75		329.95	$(9/2^-,11/2^-)$
430.32 10	12.7 5	744.75		314.50	$(5/2^+,7/2^+)$
435.85 10	6.1 4	936.47		500.60	$(5/2^+,7/2^+)$
439.08 15	2.3 3	1510.45	$(5/2^+,7/2^+)$	1071.13	$(5/2^+)$
440.85 15	2.7 3	1812.03	$(5/2^+,7/2^+)$	1371.03	
443.9 4	0.63 15	1170.70	$(5/2^+,7/2^+)$	725.44	
^{x}451.50 20	1.0 2				
^{x}493.0 3	0.3 1				
500.61 10	29 2	500.60	$(5/2^+,7/2^+)$	0.0	$(3/2^+)$
550.10 10	5.8 4	880.12	$(7/2^-,9/2)$	329.95	$(9/2^-,11/2^-)$
582.88 20	2.9 4	936.47		353.48	$(5/2^+,7/2^+)$
^{x}592.9 7	1.0 3				
602.57 10	5.4 4	602.55		0.0	$(3/2^+)$
605.51 10	3.3 2	1208.04		602.55	
620.31 20	2.2 3	989.48		369.35	$(5/2^+)$
635.90 15	2.0 3	989.48		353.48	$(5/2^+,7/2^+)$
665.8 3	2.1 3	880.12	$(7/2^-,9/2)$	214.90	$(11/2^-)$
691.0 2	1.4 3	1191.60		500.60	$(5/2^+,7/2^+)$
701.4 3	1.6 2	1071.13	$(5/2^+)$	369.35	$(5/2^+)$
^{x}715.00 20	2.0 2				
717.64 10	5.4 3	1071.13	$(5/2^+)$	353.48	$(5/2^+,7/2^+)$
725.50 20	6.3 6	725.44		0.0	$(3/2^+)$
726.51 20	1.6 2	1095.86		369.35	$(5/2^+)$
732.70 20	1.7 2	1241.12		508.42	$(7/2^-,9/2)$
740.40 20	1.8 2	1249.32		508.42	$(7/2^-,9/2)$
744.16 20	0.8 2	744.75		0.0	$(3/2^+)$
748.8 3	0.8 3	1685.56	$(5/2^+,7/2^+)$	936.47	
765.5 5	0.4 2	1510.45	$(5/2^+,7/2^+)$	744.75	
784.93 15	5.8 6	1510.45	$(5/2^+,7/2^+)$	725.44	
801.35 10	5.0 3	1170.70	$(5/2^+,7/2^+)$	369.35	$(5/2^+)$
803.58 10	2.0 2	1118.09		314.50	$(5/2^+,7/2^+)$
^{x}806.6 5	1.0 3				
^{x}813.2 4	1.5 3				
817.24 10	12.5 6	1170.70	$(5/2^+,7/2^+)$	353.48	$(5/2^+,7/2^+)$
837.6 7	1.2 3	1208.04		369.35	$(5/2^+)$
856.06 15	5.0 4	1170.70	$(5/2^+,7/2^+)$	314.50	$(5/2^+,7/2^+)$
862.45 15	2.7 2	1371.03		508.42	$(7/2^-,9/2)$
864.50 15	3.0 2	1233.85		369.35	$(5/2^+)$
^{x}880.3 3	0.9 2				
890.10 20	0.8 2	1243.58		353.48	$(5/2^+,7/2^+)$
892.15 20	0.7 2	1617.59		725.44	
900.1 3	0.9 2	1400.7		500.60	$(5/2^+,7/2^+)$
943.5 5	1.0 4	1823.6		880.12	$(7/2^-,9/2)$
1002.10 20	2.0 2	1510.45	$(5/2^+,7/2^+)$	508.42	$(7/2^-,9/2)$
1011.10 20	1.3 2	1341.13	$(7/2^-,9/2)$	329.95	$(9/2^-,11/2^-)$
1063.50 15	3.4 3	1071.13	$(5/2^+)$	7.52	$(1/2^+)$
1086.1 4	0.42 10	1812.03	$(5/2^+,7/2^+)$	725.44	
^{x}1092.7 5	0.7 2				
1096.5 5	0.7 3	1841.3		744.75	
^{x}1107.0 3	0.64 10				
1126.7 5	0.39 10	1341.13	$(7/2^-,9/2)$	214.90	$(11/2^-)$
^{x}1137.6 7	1.5 5				
1157.07 10	11.1 5	1510.45	$(5/2^+,7/2^+)$	353.48	$(5/2^+,7/2^+)$
1170.94 15	7.1 6	1170.70	$(5/2^+,7/2^+)$	0.0	$(3/2^+)$
1195.93 10	21.0 10	1510.45	$(5/2^+,7/2^+)$	314.50	$(5/2^+,7/2^+)$
1208.3 7	1.5 5	2416.3		1208.04	
1263.4 3	1.1 2	1988.78		725.44	
^{x}1266.8 4	2.0 3				
^{x}1301.30 20	1.3 2				
1332.14 10	5.0 4	1685.56	$(5/2^+,7/2^+)$	353.48	$(5/2^+,7/2^+)$
1371.07 10	4.2 3	1685.56	$(5/2^+,7/2^+)$	314.50	$(5/2^+,7/2^+)$
1424.9 3	0.9 2	1925.5		500.60	$(5/2^+,7/2^+)$
1443.1 3	2.1 2	1812.03	$(5/2^+,7/2^+)$	369.35	$(5/2^+)$
1510.47 10	18.5 15	1510.45	$(5/2^+,7/2^+)$	0.0	$(3/2^+)$
^{x}1532.2 4	2.1 3				
^{x}1534.2 4	0.43 10				
1538.90 20	1.8 2	1908.26		369.35	$(5/2^+)$
^{x}1548.7 3	2.0 2				
^{x}1561.4 3	0.60 10				
^{x}1669.4 4	0.9 2				
^{x}1674.5 4	0.46 10				
1684.5 4	0.50 10	1685.56	$(5/2^+,7/2^+)$	0.0	$(3/2^+)$
^{x}1710.5 3	0.60 10				
^{x}1717.1 3	0.49 10				
^{x}1725.9 3	0.60 10				
^{x}1746.3 5	0.26 8				
1770.9 3	1.3 2	2100.9		329.95	$(9/2^-,11/2^-)$
^{x}1804.7 3	1.0 2				
1809.2 3	1.0 2	2162.7		353.48	$(5/2^+,7/2^+)$
1812.13[&] 15	3.2[&] 4	1812.03	$(5/2^+,7/2^+)$	0.0	$(3/2^+)$
1812.13[&] 15	2.0[&] 4	2165.66	$(5/2^+,7/2^+)$	353.48	$(5/2^+,7/2^+)$
1819.50 20	2.1 3	2134.02		314.50	$(5/2^+,7/2^+)$
1827.3 3	0.6 2	2327.9		500.60	$(5/2^+,7/2^+)$

From ENSDF

$^{121}_{48}Cd_{73}$-5

γ(^{121}Cd) (continued)

E_γ †	I_γ †#	E_i(level)	J^π_i	E_f	J^π_f
^{x}1844.90 *20*	1.4 *2*				
1861.30 *20*	3.0 *3*	2797.95	(5/2$^+$,7/2$^+$,9/2$^+$)	936.47	
1889.2 *4*	0.8 *2*	2825.25	(5/2$^+$,7/2$^+$)	936.47	
1936.19 *20*	3.0 *2*	2872.67	(5/2$^+$,7/2$^+$,9/2$^+$)	936.47	
^{x}1943.9 *4*	0.88 *10*				
^{x}1957.8 *3*	1.6 *2*				
1988.7 *3*	0.63 *8*	1988.78		0.0	(3/2$^+$)
2017.9 *3*	1.4 *2*	2518.32	(5/2$^+$,7/2$^+$)	500.60	(5/2$^+$,7/2$^+$)
2080.3 *3*	2.1 *2*	2825.25	(5/2$^+$,7/2$^+$)	744.75	
2090.7 *3*	1.0 *2*	2405.2		314.50	(5/2$^+$,7/2$^+$)
2129.3 *5*	0.5 *2*	2443.8		314.50	(5/2$^+$,7/2$^+$)
^{x}2134.8 *6*	0.31 *10*				
2156.5 *5*	0.48 *15*	2881.3	(5/2$^+$,7/2$^+$)	725.44	
2165.8 *3*	1.3 *2*	2165.66	(5/2$^+$,7/2$^+$)	0.0	(3/2$^+$)
2203.70 *20*	5.0 *3*	2518.32	(5/2$^+$,7/2$^+$)	314.50	(5/2$^+$,7/2$^+$)
2216.9 *5*	0.35 *10*	2717.5		500.60	(5/2$^+$,7/2$^+$)
2322.6 *3*	1.0 *2*	2676.2		353.48	(5/2$^+$,7/2$^+$)
^{x}2394.0 *4*	0.21 *5*				
^{x}2434.9 *4*	0.8 *2*				
^{x}2464.3 *4*	0.42 *8*				
2483.8 *3*	1.4 *2*	2797.95	(5/2$^+$,7/2$^+$,9/2$^+$)	314.50	(5/2$^+$,7/2$^+$)
2518.3 *3*	2.3 *2*	2518.32	(5/2$^+$,7/2$^+$)	0.0	(3/2$^+$)
^{x}2526.0 *4*	0.42 *10*				
2577.4 *5*	0.6 *2*	2946.8		369.35	(5/2$^+$)
^{x}2585.2 *3*	0.72 *10*				
^{x}2620.0 *4*	0.6 *2*				
^{x}2628.0 *5*	0.4 *2*				
^{x}2637.0 *4*	0.5 *2*				
2645.8 *5*	0.5 *2*	3015.2		369.35	(5/2$^+$)
^{x}2663.8 *4*	0.40 *8*				
2676.4 *6*	0.26 *8*	2676.2		0.0	(3/2$^+$)
^{x}2685.8 *5*	0.5 *2*				
2733.7 *5*	0.8 *2*	3048.2		314.50	(5/2$^+$,7/2$^+$)
2825.1 *4*	0.6 *2*	2825.25	(5/2$^+$,7/2$^+$)	0.0	(3/2$^+$)
^{x}2835.1 *5*	0.30 *10*				
^{x}2868.5 *4*	1.3 *2*				
2881.0 *3*	5.0 *3*	2881.3	(5/2$^+$,7/2$^+$)	0.0	(3/2$^+$)
^{x}2898.9 *6*	0.19 *5*				
^{x}3128.4 *6*	0.21 *5*				

† From 1982Fo10.

‡ From α(K)exp.

\# For absolute intensity per 100 decays, multiply by 0.321 *7*.

@ Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

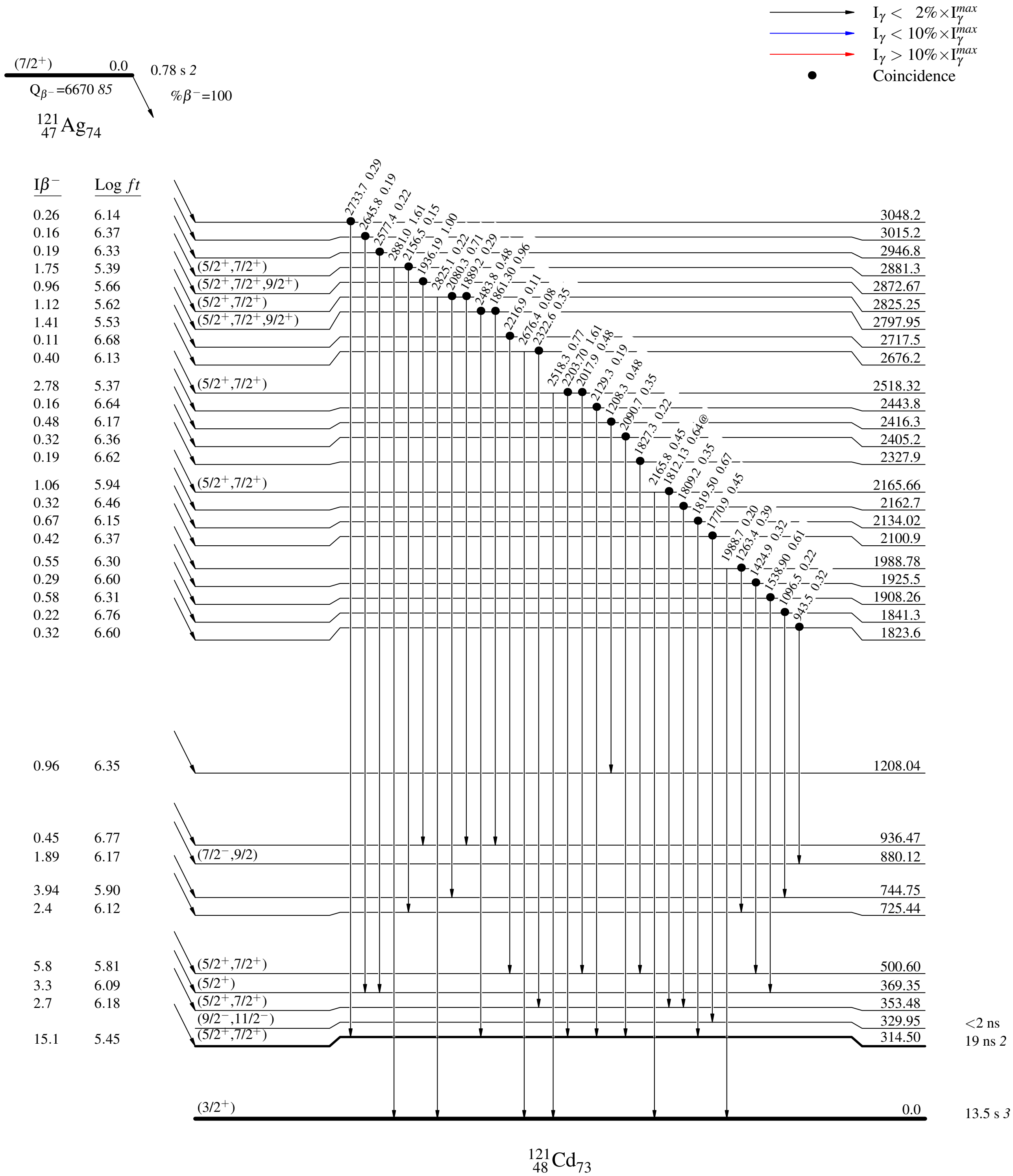
& Multiply placed with intensity suitably divided.

^{x} γ ray not placed in level scheme.

^{121}Ag β^- decay 1982Fo10,1982Al29

Decay Scheme

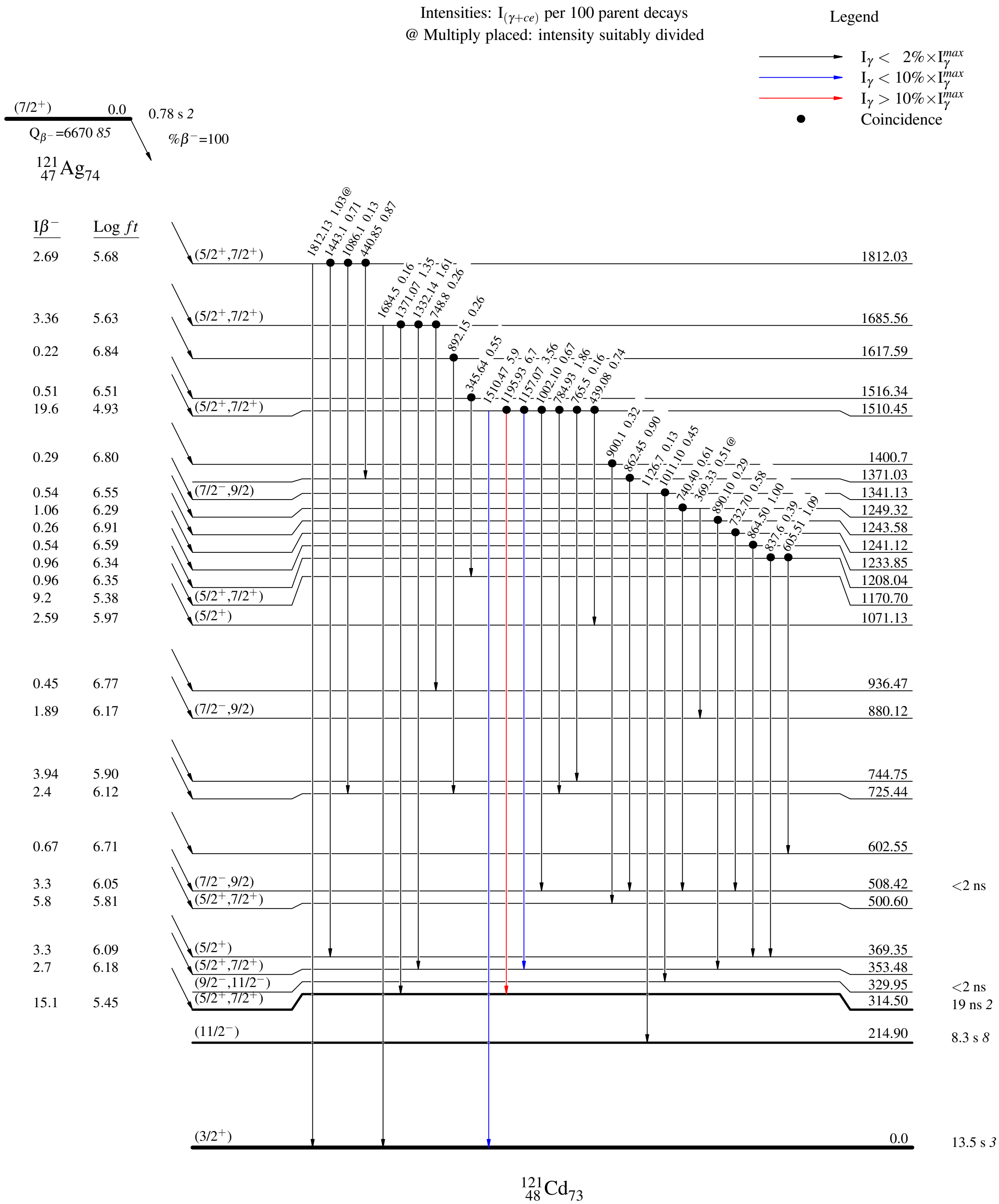
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



^{121}Ag β^- decay 1982Fo10,1982Al29

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



$^{121}Ag\ \beta^-$ decay 1982Fo10,1982Al29

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided