^{105}Cd ε decay 1976Ja05

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. Lalkovski, J. Timar and Z. Elekes	NDS 161, 1 (2019)	1-Apr-2019

Parent: ^{105}Cd: E=0.0; $J^\pi=5/2^+$; $T_{1/2}$=55.5 min *4*; Q(ε)=2737 *4*; %ε+%$β^+$ decay=100.0

1976Ja05: Facility: Lawrence Livermore Laboratory ICT accelerator; Source: ^{105}Cd from ^{106}Cd(n,2n) reaction. 50-100 mg CdO, enriched to 82.09% in ^{106}Cd. Neutrons from ^{2}H(^{3}H,α)n reaction. Rotating target. Irradiation for 1 min to 1 h. Off-beam measurement for 10-20 min; Detectors: two large-volume Compton-supressed Ge(Li) and one small 1.5 cm^3 Ge(Li) X-ray detector; Measured: X, γ, γ-γ-coinc., Eγ; Deduced: J^π, ^{105}Ag level scheme.

1979Fr03: Facility: ISOLDE/CERN synchro-cyclotron; Source: ^{105}Cd from Sn spallation; Detectors: cylindrical plastic scintillator and electron spectrometer. FWHM=83.5 ps; Measured: γ-ce(t) coinc.; Deduced: $T_{1/2}$.

1976Sv04: Facility: Gustaf Werner Institute′s syncro-cyclotron; Source: chemically separated ^{105}Cd from ^{107}Ag(p,3n) reaction at E(p)=31 MeV; Target: enriched to 98% in ^{107}Ag; Detectors: magnet spectrometer in double and single focusing modes, NE111 plastic scintillator. FWHM=1.5 ns; Measured: X- and γ-rays, Eγ, ce, Ice, x-ce(t) coinc.; Deduced: δ, $T_{1/2}$.

Others: 1979De28, 1978Sh08, 1974Bu15, 1969Ho36, 1969St18, 1953Jo20, 1950Gu54.

^{105}Ag Levels

E(level)†	J^π‡	$T_{1/2}$	Comments
0.0	$1/2^-$		
25.470 *16*	$7/2^+$	7.23 min *16*	$T_{1/2}$: from the Adopted Levels.
53.140 *18*	$9/2^+$	2.33 ns *8*	$T_{1/2}$: from γ-27.67ce(t) coinc. in 1979Fr03; Other: 1.8 *2* ns X-27.67ce(t) coinc. in 1976Sv04.
346.867 *16*	$3/2^-$		
433.222 *22*	$5/2^-$		
877.86 *6*	$3/2^-$		
987.312 *21*	$(5/2)^+$		
1023.67 *5*	$7/2^-$		
1042.66 *5*	$3/2^-$,$5/2^-$		
1097.18 *4*	$(9/2^+)$		
1166.29 *9*	$9/2^-$		
1243.41 *7*	$(3/2^+,5/2,7/2^-)$		
1294.897 *21*	$1/2^+$		
1327.928 *21*	$5/2^+$		
1386.27 *3*	$3/2^+$,$5/2^+$		
1416.10 *10*	$1/2,3/2,5/2^-$		
1441.59 *3*	$5/2^+$		
1543.2 *3*	$3/2^-$,$5/2^-$		
1557.881 *21*	$3/2^+$		
1586.87 *3*	$1/2^+$		
1635.80? *6*	$5/2^+$		
1635.81? *6*	$3/2^+$		
1656.2 *4*	3/2,5/2,7/2		
1669.54 *3*	$(3/2^+,5/2)$		
1690.79 *4*	$(3/2^+,5/2)$		
1718.83 *4*	(5/2 to 11/2)		
1750.14 *3*	$(5/2^+)$		
1794.44 *5*	$7/2^+$		
1884.8? *2*	$(9/2^+)$		
1885.73? *15*	$(5/2^+,7/2^+,9/2^+)$		
1922.97 *3*	$(7/2)^+$		
1986.34 *4*	$(5/2^+)$		
2081.64 *6*	$5/2^+$,$7/2^+$		
2144.4 *4*	$3/2^-$,$5/2^-$		
2156.42 *5*	$3/2^+$		
2249.57 *4*	$(1/2^+,3/2)$		

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^{105}Cd ε decay 1976Ja05 (continued)

^{105}Ag Levels (continued)

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
2256.49 *6*	5/2+	2327.83 *7*	3/2+,5/2+,7/2+	2429.10 *8*	(3/2+)
2275.99 *20*	5/2+	2333.34 *3*	3/2+	2447.21 *10*	(5/2+,7/2+)
2300.39 *7*	3/2+,5/2+	2371.79 *17*	5/2+,7/2+	2472.99 *6*	(3/2+,5/2+,7/2+)
2308.32 *6*	3/2+	2400.62 *7*	(3/2+)	2494.8 *3*	(3/2+ to 9/2−)
2314.81 *5*	5/2+	2419.30 *8*	5/2+,7/2+,9/2+	2550.68 *9*	(5/2−)
2326.04 *3*	(5/2+)	2423.08 *9*	3/2+	2584.25 *16*	(5/2+)

† From a least-squares fit to Eγ.
‡ From the Adopted Levels.

ε,β+ radiations

E(decay)	E(level)	Iβ+ †	Iε†	Log *ft*	I(ε+β+)†	Comments
(153 *4*)	2584.25		0.049 *11*	5.41 *11*	0.049 *11*	εK=0.8239 *14*; εL=0.1401 *11*; εM+=0.0360 *4*
(186 *4*)	2550.68		0.42 *6*	4.67 *7*	0.42 *6*	εK=0.8329 *9*; εL=0.1331 *7*; εM+=0.03395 *20*
(242 *4*)	2494.8		0.030 *6*	6.07 *9*	0.030 *6*	εK=0.8416 *5*; εL=0.1264 *4*; εM+=0.03198 *11*
(264 *4*)	2472.99		0.38 *6*	5.05 *7*	0.38 *6*	εK=0.8439 *4*; εL=0.1246 *3*; εM+=0.03147 *9*
(290 *4*)	2447.21		0.22 *3*	5.38 *6*	0.22 *3*	εK=0.8461 *4*; εL=0.12292 *25*; εM+=0.03097 *7*
(308 *4*)	2429.10		0.28 *5*	5.33 *8*	0.28 *5*	εK=0.8474 *3*; εL=0.12191 *22*; εM+=0.03068 *7*
(314 *4*)	2423.08		0.56 *5*	5.05 *4*	0.56 *5*	εK=0.8478 *3*; εL=0.12161 *21*; εM+=0.03059 *6*
(318 *4*)	2419.30		0.34 *6*	5.27 *8*	0.34 *6*	εK=0.8480 *3*; εL=0.12142 *20*; εM+=0.03054 *6*
(336 *4*)	2400.62		0.59 *6*	5.09 *5*	0.59 *6*	εK=0.8491 *3*; εL=0.12057 *18*; εM+=0.03029 *5*
(365 *4*)	2371.79		0.41 *4*	5.32 *5*	0.41 *4*	εK=0.8506 *2*; εL=0.11944 *15*; εM+=0.02996 *5*
(404 *4*)	2333.34		4.4 *3*	4.38 *4*	4.4 *3*	εK=0.8522 *2*; εL=0.1182 *2*; εM+=0.02960 *4*
(409 *4*)	2327.83		0.42 *6*	5.42 *7*	0.42 *6*	εK=0.8524 *2*; εL=0.1181 *2*; εM+=0.02956 *4*
(411 *4*)	2326.04		7.9 *6*	4.15 *4*	7.9 *6*	εK=0.8525 *2*; εL=0.1180 *2*; εM+=0.02954 *4*
(422 *4*)	2314.81		0.62 *5*	5.28 *4*	0.62 *5*	εK=0.8528 *2*; εL=0.1177 *1*; εM+=0.02946 *3*
(429 *4*)	2308.32		0.65 *8*	5.27 *6*	0.65 *8*	εK=0.8531 *2*; εL=0.1175 *1*; εM+=0.02941 *3*
(437 *4*)	2300.39		0.33 *5*	5.58 *7*	0.33 *5*	εK=0.8533 *2*; εL=0.1173 *1*; εM+=0.02935 *3*
(461 *4*)	2275.99		0.047 *10*	6.48 *10*	0.047 *10*	εK=0.8540 *2*; εL=0.11677 *9*; εM+=0.02919 *3*
(481 *4*)	2256.49		1.11 *9*	5.14 *4*	1.11 *9*	εK=0.8546 *1*; εL=0.11637 *8*; εM+=0.02907 *3*
(487 *4*)	2249.57		1.51 *13*	5.02 *4*	1.51 *13*	εK=0.8547 *1*; εL=0.11624 *8*; εM+=0.02903 *3*
(581 *4*)	2156.42		0.68 *5*	5.53 *4*	0.68 *5*	εK=0.8567; εL=0.11475 *6*; εM+=0.02860 *2*
(593 *4*)	2144.4		0.023 *10*	7.01 *19*	0.023 *10*	εK=0.8569; εL=0.11459 *6*; εM+=0.02856 *2*
(655 *4*)	2081.64		0.95 *7*	5.49 *4*	0.95 *7*	εK=0.8578; εL=0.11387 *5*; εM+=0.02835 *2*
(751 *4*)	1986.34		3.17 *22*	5.09 *3*	3.17 *22*	εK=0.8589; εL=0.11302 *4*; εM+=0.028104 *9*
(814 *4*)	1922.97		2.95 *20*	5.19 *3*	2.95 *20*	εK=0.8595; εL=0.11257 *3*; εM+=0.027974 *8*
(851 *4*)	1885.73?		0.103 *24*	6.69 *11*	0.103 *24*	εK=0.8598; εL=0.11234 *3*; εM+=0.027907 *7*
(987 *4*)	1750.14		1.16 *9*	5.77 *4*	1.16 *9*	εK=0.8606; εL=0.11164 *2*; εM+=0.027707 *5*
(1018‡ *4*)	1718.83		0.11 *8*	6.8 *4*	0.11 *8*	εK=0.8608; εL=0.11151 *2*; εM+=0.027668 *5*
(1046 *4*)	1690.79		0.43 *10*	6.25 *11*	0.43 *10*	εK=0.8610; εL=0.11140 *2*; εM+=0.027636 *5*
(1067 *4*)	1669.54		0.58 *6*	6.14 *5*	0.58 *6*	εK=0.8611; εL=0.11132 *2*; εM+=0.027612 *5*
(1081 *4*)	1656.2		0.24 *8*	6.53 *15*	0.24 *8*	εK=0.8611; εL=0.11127 *2*; εM+=0.027598 *5*
(1101 *4*)	1635.80?		1.24 *9*	5.84 *4*	1.24 *9*	εK=0.8612; εL=0.11119 *2*; εM+=0.027577 *4*
(1179 *4*)	1557.881		2.26 *16*	5.64 *4*	2.26 *16*	εK=0.8615; εL=0.11093 *2*; εM+=0.027500 *4*
(1194 *4*)	1543.2		0.023 *5*	7.64 *10*	0.023 *5*	εK=0.8615; εL=0.11088 *2*; εM+=0.027486 *4*
(1295 *4*)	1441.59	0.0043 *5*	3.2 *3*	5.57 *4*	3.2 *3*	av Eβ=129.3 *18*; εK=0.8608; εL=0.11047 *2*; εM+=0.027374 *6*
(1351 *4*)	1386.27	0.00043 *23*	0.15 *8*	6.94 *24*	0.15 *8*	av Eβ=153.5 *18*; εK=0.8596 *2*; εL=0.11017 *3*; εM+=0.027293 *7*
(1409 *4*)	1327.928	0.022 *2*	4.0 *3*	5.55 *4*	4.0 *3*	av Eβ=178.8 *18*; εK=0.8575 *2*; εL=0.10974 *4*; εM+=0.027183 *9*

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^{105}Cd ε decay 1976Ja05 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ †	Iε†	Log *ft*	I(ε+β+)†	Comments
(1494 *4*)	1243.41	0.0008 *3*	0.069 *23*	7.36 *15*	0.070 *23*	av Eβ=215.3 *18*; εK=0.8522 *4*; εL=0.10887 *5*; εM+=0.02696 *2*
(1571 *4*)	1166.29	0.0018 *3*	0.082 *16*	7.33 *9*	0.084 *16*	av Eβ=248.7 *18*; εK=0.8446 *5*; εL=0.10774 *7*; εM+=0.02668 *2*
(1694‡ *4*)	1042.66	0.006 *5*	0.12 *11*	7.2 *4*	0.13 *11*	av Eβ=302.2 *18*; εK=0.8256 *8*; εL=0.1051 *1*; εM+=0.02601 *3*
1822 *75*	987.312	0.185 *14*	3.07 *23*	5.85 *4*	3.26 *24*	av Eβ=326.3 *18*; εK=0.8141 *9*; εL=0.10355 *13*; εM+=0.02563 *3*
(1859 *4*)	877.86	0.0207 *23*	0.209 *23*	7.07 *5*	0.230 *25*	av Eβ=374.0 *18*; εK=0.7857 *12*; εL=0.09979 *16*; εM+=0.02469 *4*
2713 *5*	25.470	29 *2*	28 *2*	5.27 *3*	57 *4*	av Eβ=753.3 *19*; εK=0.4286 *17*; εL=0.05403 *21*; εM+=0.01336 *5*

† Absolute intensity per 100 decays.
‡ Existence of this branch is questionable.

γ(^{105}Ag)

Iγ normalization: absolute intensity of 961γ was determined by 1976Ja05 as 4.69% *29*. A 2% uncertainty has been added in quadrature for the uncertainty due to the detector efficiency (1976Ja05).

E_γ[†]	I_γ[†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[&]	Comments
25.48 *2*	0.76 *CA*	25.470	7/2$^+$	0.0	1/2$^-$	E3		2.29×10^4	α(L)=1.83×10^4 *3*; α(M)=3.96×10^3 *6*; α(N+..)=609 *9* α(N)=609 *9*; α(O)=0.0372 *6* E_γ: weighted average of 25.53 *3* (1978Sh08) and 25.47 *1* (1976Sv04). I_γ: 0.76 *6* calculated by requiring the sum of all transition intensities to g.s. to be 100%. Mult.: from α(L1)exp:α(L2)exp:α(L3)exp=0.002<:1:1.47 *4* and α(L)exp:α(M)exp:α(N)exp=1:0.22 *2*:0.09 *2* in 1978Sh08; Other: 1953Jo20.
27.67 *1*	45 *5*	53.140	9/2$^+$	25.470	7/2$^+$	(M1+E2)	0.044 *8*	17.5 *3*	α(K)=14.93 *21*; α(L)=2.11 *9*; α(M)=0.404 *17*; α(N+..)=0.072 *3* α(N)=0.069 *3*; α(O)=0.00285 *4* E_γ: from 1976Sv04. δ: from Ice(M1)/(Ice(M2)+Ice(M3))=(100 *5*)/(22 *3*) in 1976Sv04, and M1+25% E2 in 1976Ja05; α: Other: 46 *7* from Iγ balance leading to δ=0.51 *7* and unreasonably high B(E2)(W.u.)=2200.
51.7[#c] *2*	4 *2*	2308.32	3/2$^+$	2256.49	5/2$^+$	[M1]		2.79 *5*	α(K)=2.41 *5*; α(L)=0.303 *6*; α(M)=0.0577 *11*; α(N+..)=0.01042 *19* α(N)=0.00997 *18*; α(O)=0.000455 *9*
86.33 *7*	21 *2*	433.222	5/2$^-$	346.867	3/2$^-$	M1(+E2)	−0.05 *5*	0.640 *17*	α(K)=0.555 *13*; α(L)=0.070 *4*; α(M)=0.0133 *7*; α(N+..)=0.00240 *12* α(N)=0.00230 *12*; α(O)=0.0001044 *19* δ: from 1979KeZW.
[x]107.6[#] *3*	1.2 *7*								
128.6[c] *2*	1.6 *6*	1922.97	(7/2)$^+$	1794.44	7/2$^+$	[M1]		0.208	α(K)=0.180 *3*; α(L)=0.0223 *4*; α(M)=0.00424 *7*; α(N+..)=0.000768 *12* α(N)=0.000734 *11*; α(O)=3.40×10^{-5} *5*
132.9 *2*	4 *2*	1690.79	(3/2$^+$,5/2)	1557.881	3/2$^+$				
171.34 *16*	12 *4*	1557.881	3/2$^+$	1386.27	3/2$^+$,5/2$^+$	[M1]		0.0948	α(K)=0.0824 *12*; α(L)=0.01011 *15*; α(M)=0.00192 *3*; α(N+..)=0.000348 *5* α(N)=0.000333 *5*; α(O)=1.548×10^{-5} *22*
172.82 *13*	16 *3*	1922.97	(7/2)$^+$	1750.14	(5/2$^+$)	[M1]		0.0926	α(K)=0.0805 *12*; α(L)=0.00987 *14*; α(M)=0.00188 *3*; α(N+..)=0.000340 *5* α(N)=0.000325 *5*; α(O)=1.512×10^{-5} *22*

$^{105}_{47}Ag_{58}$-4

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ †	I_γ †@	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	α&	Comments
192.27 *9*	19 *2*	1750.14	(5/2$^+$)	1557.881	3/2$^+$	[M1]	0.0695	α(K)=0.0605 *9*; α(L)=0.00739 *11*; α(M)=0.001406 *20*; α(N+..)=0.000255 *4* α(N)=0.000243 *4*; α(O)=1.135×10^{-5} *16*
x221.76 *12*	7 *1*							
229.82 *9*	15 *2*	1557.881	3/2$^+$	1327.928	5/2$^+$	[M1]	0.0433	α(K)=0.0377 *6*; α(L)=0.00459 *7*; α(M)=0.000872 *13*; α(N+..)=0.0001581 *23* α(N)=0.0001510 *22*; α(O)=7.06×10^{-6} *10*
232.37 *8*	18 *2*	1922.97	(7/2)$^+$	1690.79	(3/2$^+$,5/2)			
249.41ac *6*	10a *4*	1635.80?	5/2$^+$	1386.27	3/2$^+$,5/2$^+$			
249.41ac *6*	10a *4*	1635.81?	3/2$^+$	1386.27	3/2$^+$,5/2$^+$			
249.41a	5a *3*	1690.79	(3/2$^+$,5/2)	1441.59	5/2$^+$			
253.42 *3*	31 *2*	1922.97	(7/2)$^+$	1669.54	(3/2$^+$,5/2)			
262.99 *3*	39 *2*	1557.881	3/2$^+$	1294.897	1/2$^+$	[M1]	0.0305	α(K)=0.0265 *4*; α(L)=0.00321 *5*; α(M)=0.000611 *9*; α(N+..)=0.0001108 *16* α(N)=0.0001058 *15*; α(O)=4.96×10^{-6} *7*
283.29 *4*	33 *2*	1669.54	(3/2$^+$,5/2)	1386.27	3/2$^+$,5/2$^+$			
291.96 *4*	47 *2*	1586.87	1/2$^+$	1294.897	1/2$^+$	[M1]	0.0233	α(K)=0.0203 *3*; α(L)=0.00245 *4*; α(M)=0.000465 *7*; α(N+..)=8.44×10^{-5} *12* α(N)=8.06×10^{-5} *12*; α(O)=3.79×10^{-6} *6*
295.7 *3*	3 *2*	1986.34	(5/2$^+$)	1690.79	(3/2$^+$,5/2)			
307.83	12 *5*	1294.897	1/2$^+$	987.312	(5/2)$^+$	[E2]	0.0285	α(K)=0.0243 *4*; α(L)=0.00345 *5*; α(M)=0.000660 *10*; α(N+..)=0.0001155 *17* α(N)=0.0001114 *16*; α(O)=4.09×10^{-6} *6*
307.83ac *3*	180a *12*	1635.80?	5/2$^+$	1327.928	5/2$^+$	[M1]	0.0203	α(K)=0.01772 *25*; α(L)=0.00213 *3*; α(M)=0.000405 *6*; α(N+..)=7.36×10^{-5} *11* α(N)=7.03×10^{-5} *10*; α(O)=3.31×10^{-6} *5*
307.83ac *3*	180a *12*	1635.81?	3/2$^+$	1327.928	5/2$^+$	[M1]	0.0203	α(K)=0.01772 *25*; α(L)=0.00213 *3*; α(M)=0.000405 *6*; α(N+..)=7.36×10^{-5} *11* α(N)=7.03×10^{-5} *10*; α(O)=3.31×10^{-6} *5*
316.82 *5*	53 *2*	1986.34	(5/2$^+$)	1669.54	(3/2$^+$,5/2)			
x325.0 *2*	5 *2*							
340.66a *4*	83a *9*	1327.928	5/2$^+$	987.312	(5/2)$^+$	[M1]	0.01572	α(K)=0.01371 *20*; α(L)=0.001646 *23*; α(M)=0.000312 *5*; α(N+..)=5.67×10^{-5} *8* α(N)=5.42×10^{-5} *8*; α(O)=2.55×10^{-6} *4*
340.66ac *4*	14a *6*	1635.80?	5/2$^+$	1294.897	1/2$^+$	[E2]	0.0205	α(K)=0.01750 *25*; α(L)=0.00243 *4*; α(M)=0.000464 *7*; α(N+..)=8.16×10^{-5} *12* α(N)=7.86×10^{-5} *11*; α(O)=2.98×10^{-6} *5*
340.66ac *4*	14a *6*	1635.81?	3/2$^+$	1294.897	1/2$^+$	[M1]	0.01572	α(K)=0.01371 *20*; α(L)=0.001646 *23*; α(M)=0.000312 *5*; α(N+..)=5.67×10^{-5} *8* α(N)=5.42×10^{-5} *8*; α(O)=2.55×10^{-6} *4*
343.4c *2*	≤6	1586.87	1/2$^+$	1243.41	(3/2$^+$,5/2,7/2$^-$)			

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ[†]	I_γ[†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[&]	Comments
346.87 *2*	896 *9*	346.867	3/2⁻	0.0	1/2⁻	M1+E2	+0.10 *+5−7*	0.01507 *22*	α(K)=0.01313 *19*; α(L)=0.001579 *24*; α(M)=0.000300 *5*; α(N+..)=5.44×10⁻⁵ *8* α(N)=5.20×10⁻⁵ *8*; α(O)=2.44×10⁻⁶ *4*
[x]353.91 *12*	9 *2*								
362.9[ac] *3*	4[a] *2*	1386.27	3/2⁺,5/2⁺	1023.67	7/2⁻				
362.9[ac] *3*	4[a] *2*	1690.79	(3/2⁺,5/2)	1327.928	5/2⁺				
362.9[ac] *3*	4[a] *2*	2081.64	5/2⁺,7/2⁺	1718.83	(5/2 to 11/2)				
[x]371.28 *10*	9 *2*								
398.99 *8*	12 *1*	1386.27	3/2⁺,5/2⁺	987.312	(5/2)⁺			0.0107	
403.3 *4*	3 *2*	2326.04	(5/2⁺)	1922.97	(7/2)⁺	[M1]		0.01031	α(K)=0.00900 *13*; α(L)=0.001074 *16*; α(M)=0.000204 *3*; α(N+..)=3.70×10⁻⁵ *6* α(N)=3.54×10⁻⁵ *5*; α(O)=1.673×10⁻⁶ *24*
417.1 *2*	3 *2*	1294.897	1/2⁺	877.86	3/2⁻	[E1]		0.00313 *5*	α=0.00313 *5*; α(K)=0.00274 *4*; α(L)=0.000321 *5*; α(M)=6.06×10⁻⁵ *9*; α(N+..)=1.093×10⁻⁵ *16* α(N)=1.045×10⁻⁵ *15*; α(O)=4.79×10⁻⁷ *7*
422.27 *6*	19 *1*	1750.14	(5/2⁺)	1327.928	5/2⁺	[M1]		0.00921 *13*	α=0.00921 *13*; α(K)=0.00803 *12*; α(L)=0.000958 *14*; α(M)=0.000182 *3*; α(N+..)=3.30×10⁻⁵ *5* α(N)=3.15×10⁻⁵ *5*; α(O)=1.492×10⁻⁶ *21*
433.24 *3*	600 *5*	433.222	5/2⁻	0.0	1/2⁻	E2		0.00965 *14*	α=0.00965 *14*; α(K)=0.00830 *12*; α(L)=0.001097 *16*; α(M)=0.000209 *3*; α(N+..)=3.71×10⁻⁵ *6* α(N)=3.57×10⁻⁵ *5*; α(O)=1.444×10⁻⁶ *21*
443.9[c] *2*	≤4	1885.73?	(5/2⁺,7/2⁺,9/2⁺)	1441.59	5/2⁺				
444.6[c] *2*	≤4	877.86	3/2⁻	433.222	5/2⁻	[M1]		0.00811 *12*	α=0.00811 *12*; α(K)=0.00708 *10*; α(L)=0.000843 *12*; α(M)=0.0001599 *23*; α(N+..)=2.90×10⁻⁵ α(N)=2.77×10⁻⁵ *4*; α(O)=1.314×10⁻⁶ *19*
454.38 *7*	23 *2*	1441.59	5/2⁺	987.312	(5/2)⁺	[M1]		0.00769 *11*	α=0.00769 *11*; α(K)=0.00671 *10*; α(L)=0.000799 *12*; α(M)=0.0001515 *22*; α(N+..)=2.75×10⁻⁵ α(N)=2.63×10⁻⁵ *4*; α(O)=1.246×10⁻⁶ *18*
[x]458.3 *11*	11 *2*								
461.96 *11*	10 *2*	2256.49	5/2⁺	1794.44	7/2⁺	[M1]		0.00739 *11*	α=0.00739 *11*; α(K)=0.00645 *9*; α(L)=0.000767 *11*; α(M)=0.0001454 *21*; α(N+..)=2.64×10⁻⁵ *4* α(N)=2.52×10⁻⁵ *4*; α(O)=1.197×10⁻⁶ *17*
466.73 *7*	11 *2*	1794.44	7/2⁺	1327.928	5/2⁺	[M1]		0.00720 *10*	α=0.00720 *10*; α(K)=0.00629 *9*; α(L)=0.000747 *11*; α(M)=0.0001418 *20*; α(N+..)=2.58×10⁻⁵ *4* α(N)=2.46×10⁻⁵ *4*; α(O)=1.167×10⁻⁶ *17*

$^{105}_{47}Ag_{58}$-6

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ †	I_γ †@	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	α&	Comments
486.73ac *10*	14a *2*	2156.42	3/2+	1669.54	(3/2+,5/2)			
486.73ac *10*	14a *2*	2472.99	(3/2+,5/2+,7/2+)	1986.34	(5/2+)			
499.45b	8b *4*	1885.73?	(5/2+,7/2+,9/2+)	1386.27	3/2+,5/2+			
499.45b	6b *6*	2249.57	(1/2+,3/2)	1750.14	(5/2+)			
520.54 *5*	24 *1*	2314.81	5/2+	1794.44	7/2+	[M1]	0.00553 *8*	α=0.00553 *8*; α(K)=0.00483 *7*; α(L)=0.000572 *8*; α(M)=0.0001086 *16*; α(N+..)=1.97×10^{-5} *3* α(N)=1.88×10^{-5} *3*; α(O)=8.95×10^{-7} *13*
530.95 *8*	16 *1*	877.86	3/2−	346.867	3/2−	[M1]	0.00528 *8*	α=0.00528 *8*; α(K)=0.00461 *7*; α(L)=0.000545 *8*; α(M)=0.0001035 *15*; α(N+..)=1.88×10^{-5} *3* α(N)=1.80×10^{-5} *3*; α(O)=8.54×10^{-7} *12*
538.67 *6*	151 *5*	1635.80?	5/2+	1097.18	(9/2+)	[E2]	0.00510 *8*	α=0.00510 *8*; α(K)=0.00441 *7*; α(L)=0.000563 *8*; α(M)=0.0001071 *15*; α(N+..)=1.91×10^{-5} *3* α(N)=1.83×10^{-5} *3*; α(O)=7.78×10^{-7} *11*
545.0 *2*	3 *1*	1986.34	(5/2+)	1441.59	5/2+	[M1]	0.00496 *7*	α=0.00496 *7*; α(K)=0.00433 *6*; α(L)=0.000512 *8*; α(M)=9.71×10^{-5} *14*; α(N+..)=1.765×10^{-5} *25* α(N)=1.685×10^{-5} *24*; α(O)=8.02×10^{-7} *12*
550.17ac *11*	8a *1*	2300.39	3/2+,5/2+	1750.14	(5/2+)			
550.17ac *11*	8a *1*	2472.99	(3/2+,5/2+,7/2+)	1922.97	(7/2)+			
558.14ac *10*	8a *1*	1885.73?	(5/2+,7/2+,9/2+)	1327.928	5/2+			
558.14ac *10*	8a *1*	2308.32	3/2+	1750.14	(5/2+)	[M1]	0.00468 *7*	α=0.00468 *7*; α(K)=0.00409 *6*; α(L)=0.000483 *7*; α(M)=9.17×10^{-5} *13*; α(N+..)=1.667×10^{-5} *24* α(N)=1.591×10^{-5} *23*; α(O)=7.57×10^{-7} *11*
570.56 *6*	23 *2*	1557.881	3/2+	987.312	(5/2)+	[M1]	0.00444 *7*	α=0.00444 *7*; α(K)=0.00388 *6*; α(L)=0.000459 *7*; α(M)=8.69×10^{-5} *13*; α(N+..)=1.581×10^{-5} *23* α(N)=1.509×10^{-5} *22*; α(O)=7.18×10^{-7} *10*
576.1#c *5*	3 *2*	2326.04	(5/2+)	1750.14	(5/2+)	[M1]	0.00434 *7*	α=0.00434 *7*; α(K)=0.00379 *6*; α(L)=0.000448 *7*; α(M)=8.49×10^{-5} *12*; α(N+..)=1.544×10^{-5} *22* α(N)=1.474×10^{-5} *21*; α(O)=7.02×10^{-7} *10*
577.4 *2*	9 *2*	2371.79	5/2+,7/2+	1794.44	7/2+			
579.97 *9*	12 *1*	2249.57	(1/2+,3/2)	1669.54	(3/2+,5/2)			
583.17 *6*	18 *1*	2333.34	3/2+	1750.14	(5/2+)	[M1]	0.00422 *6*	α=0.00422 *6*; α(K)=0.00369 *6*; α(L)=0.000435 *6*; α(M)=8.25×10^{-5} *12*; α(N+..)=1.500×10^{-5} *21* α(N)=1.432×10^{-5} *20*; α(O)=6.82×10^{-7} *10*
590.44 *5*	25 *1*	1023.67	7/2−	433.222	5/2−	[M1]	0.00410 *6*	α=0.00410 *6*; α(K)=0.00358 *5*; α(L)=0.000422 *6*; α(M)=8.01×10^{-5} *12*; α(N+..)=1.456×10^{-5} *21* α(N)=1.390×10^{-5} *20*; α(O)=6.62×10^{-7} *10*
598.54 *5*	25 *2*	2156.42	3/2+	1557.881	3/2+	[M1]	0.00397 *6*	α=0.00397 *6*; α(K)=0.00347 *5*; α(L)=0.000409 *6*; α(M)=7.75×10^{-5} *11*; α(N+..)=1.409×10^{-5} *20* α(N)=1.345×10^{-5} *19*; α(O)=6.41×10^{-7} *9*
607.22 *2*	798 *7*	2326.04	(5/2+)	1718.83	(5/2 to 11/2)			
609.45 *5*	23 *2*	1042.66	3/2−,5/2−	433.222	5/2−			

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ †	I_γ †@	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	α&	Comments
613.5[b] *4*	52[b] *15*	1656.2	3/2,5/2,7/2	1042.66	$3/2^-$,$5/2^-$			
613.5[b] *4*	21[b] *13*	2249.57	$(1/2^+,3/2)$	1635.80?	$5/2^+$			
617.41 *9*	16 *6*	2308.32	$3/2^+$	1690.79	$(3/2^+,5/2)$			
623.7 *2*	14 *1*	2314.81	$5/2^+$	1690.79	$(3/2^+,5/2)$			
630.8 *3*	8 *3*	2300.39	$3/2^+$,$5/2^+$	1669.54	$(3/2^+,5/2)$			
635.4 *3*	102 *2*	2326.04	$(5/2^+)$	1690.79	$(3/2^+,5/2)$			
640.46 *8*	13 *2*	987.312	$(5/2)^+$	346.867	$3/2^-$	[E1]	0.001141 *16*	α=0.001141 *16*; α(K)=0.000999 *14*; α(L)=0.0001159 *17*; α(M)=2.19×10^{-5} *3*; α(N+..)=3.96×10^{-6} α(N)=3.79×10^{-6} *6*; α(O)=1.770×10^{-7} *25*
642.8 *6*	20 *2*	2333.34	$3/2^+$	1690.79	$(3/2^+,5/2)$			
648.49[ac] *2*	335[a] *5*	1635.80?	$5/2^+$	987.312	$(5/2)^+$	[M1]	0.00329 *5*	α=0.00329 *5*; α(K)=0.00287 *4*; α(L)=0.000338 *5*; α(M)=6.40×10^{-5} *9*; α(N+..)=1.165×10^{-5} *17* α(N)=1.112×10^{-5} *16*; α(O)=5.31×10^{-7} *8*
648.49[ac] *2*	335[a] *5*	1635.81?	$3/2^+$	987.312	$(5/2)^+$	[M1]	0.00329 *5*	α=0.00329 *5*; α(K)=0.00287 *4*; α(L)=0.000338 *5*; α(M)=6.40×10^{-5} *9*; α(N+..)=1.165×10^{-5} *17* α(N)=1.112×10^{-5} *16*; α(O)=5.31×10^{-7} *8*
656.53 *7*	15 *1*	2326.04	$(5/2^+)$	1669.54	$(3/2^+,5/2)$			
658.27[b]	7[b] *6*	1986.34	$(5/2^+)$	1327.928	$5/2^+$	[M1]	0.00317 *5*	α=0.00317 *5*; α(K)=0.00277 *4*; α(L)=0.000326 *5*; α(M)=6.18×10^{-5} *9*; α(N+..)=1.124×10^{-5} *16* α(N)=1.073×10^{-5} *15*; α(O)=5.12×10^{-7} *8*
658.27[bc]	6[b] *7*	2327.83	$3/2^+$,$5/2^+$,$7/2^+$	1669.54	$(3/2^+,5/2)$			
662.79 *7*	17 *2*	2249.57	$(1/2^+,3/2)$	1586.87	$1/2^+$			
676.88 *12*	10 *1*	1023.67	$7/2^-$	346.867	$3/2^-$	[E2]	0.00275 *4*	α=0.00275 *4*; α(K)=0.00239 *4*; α(L)=0.000295 *5*; α(M)=5.61×10^{-5} *8*; α(N+..)=1.008×10^{-5} *15* α(N)=9.65×10^{-6} *14*; α(O)=4.25×10^{-7} *6*
681.97 *16*	7 *2*	1669.54	$(3/2^+,5/2)$	987.312	$(5/2)^+$			
691.88[ac] *13*	9[a] *2*	2249.57	$(1/2^+,3/2)$	1557.881	$3/2^+$			
691.88[ac] *13*	9[a] *2*	2327.83	$3/2^+$,$5/2^+$,$7/2^+$	1635.80?	$5/2^+$			
695.76 *10*	16 *2*	1042.66	$3/2^-$,$5/2^-$	346.867	$3/2^-$			
697.7 *2*	19 *1*	2333.34	$3/2^+$	1635.81?	$3/2^+$	[M1]	0.00277 *4*	α=0.00277 *4*; α(K)=0.00242 *4*; α(L)=0.000284 *4*; α(M)=5.39×10^{-5} *8*; α(N+..)=9.80×10^{-6} *14* α(N)=9.36×10^{-6} *14*; α(O)=4.47×10^{-7} *7*
700.07 *16*	9 *1*	2419.30	$5/2^+$,$7/2^+$,$9/2^+$	1718.83	(5/2 to 11/2)			
703.46 *8*	64 *2*	1690.79	$(3/2^+,5/2)$	987.312	$(5/2)^+$			
709.87 *8*	27 *2*	2400.62	$(3/2^+)$	1690.79	$(3/2^+,5/2)$			
714.8[#c] *6*	4 *3*	2156.42	$3/2^+$	1441.59	$5/2^+$	[M1]	0.00262 *4*	α=0.00262 *4*; α(K)=0.00229 *4*; α(L)=0.000269 *4*; α(M)=5.09×10^{-5} *8*; α(N+..)=9.26×10^{-6} *13* α(N)=8.84×10^{-6} *13*; α(O)=4.23×10^{-7} *6*
721.6[#c] *4*	4 *2*	2308.32	$3/2^+$	1586.87	$1/2^+$	[M1]	0.00256 *4*	α=0.00256 *4*; α(K)=0.00224 *4*; α(L)=0.000263 *4*; α(M)=4.98×10^{-5} *7*; α(N+..)=9.06×10^{-6} *13* α(N)=8.65×10^{-6} *13*; α(O)=4.13×10^{-7} *6*

$^{105}_{47}Ag_{58}$-8

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [‡]	α [&]	Comments
727.54 *13*	12 *2*	2314.81	5/2$^+$	1586.87	1/2$^+$	[E2]	0.00229 *4*	α=0.00229 *4*; α(K)=0.00199 *3*; α(L)=0.000244 *4*; α(M)=4.63×10^{-5} *7*; α(N+..)=8.33×10^{-6} *12* α(N)=7.97×10^{-6} *12*; α(O)=3.55×10^{-7} *5*
733.03 *9*	24 *2*	1166.29	9/2$^-$	433.222	5/2$^-$	E2	0.00224 *4*	α=0.00224 *4*; α(K)=0.00195 *3*; α(L)=0.000239 *4*; α(M)=4.54×10^{-5} *7*; α(N+..)=8.16×10^{-6} *12* α(N)=7.82×10^{-6} *11*; α(O)=3.48×10^{-7} *5*
738.8 *3*	4 *2*	2326.04	(5/2$^+$)	1586.87	1/2$^+$	[E2]	0.00220 *3*	α=0.00220 *3*; α(K)=0.00191 *3*; α(L)=0.000234 *4*; α(M)=4.45×10^{-5} *7*; α(N+..)=8.00×10^{-6} *12* α(N)=7.66×10^{-6} *11*; α(O)=3.42×10^{-7} *5*
746.44 *7*	114 *2*	2333.34	3/2$^+$	1586.87	1/2$^+$	[M1]	0.00237 *4*	α=0.00237 *4*; α(K)=0.00207 *3*; α(L)=0.000243 *4*; α(M)=4.60×10^{-5} *7*; α(N+..)=8.38×10^{-6} *12* α(N)=7.99×10^{-6} *12*; α(O)=3.82×10^{-7} *6*
749.7 *3*	8 *2*	2419.30	5/2$^+$,7/2$^+$,9/2$^+$	1669.54	(3/2$^+$,5/2)			
755.9 *3*	6 *2*	2550.68	(5/2$^-$)	1794.44	7/2$^+$	[E1]	0.000799 *12*	α=0.000799 *12*; α(K)=0.000700 *10*; α(L)=8.09×10^{-5} *12*; α(M)=1.528×10^{-5} *22*; α(N+..)=2.77×10^{-6} α(N)=2.64×10^{-6} *4*; α(O)=1.244×10^{-7} *18*
758.07[ac] *15*	18[a] *2*	1635.80?	5/2$^+$	877.86	3/2$^-$	[E1]	0.000794 *12*	α=0.000794 *12*; α(K)=0.000696 *10*; α(L)=8.04×10^{-5} *12*; α(M)=1.518×10^{-5} *22*; α(N+..)=2.75×10^{-6} α(N)=2.63×10^{-6} *4*; α(O)=1.236×10^{-7} *18*
758.07[ac] *15*	18[a] *2*	1635.81?	3/2$^+$	877.86	3/2$^-$	[E1]	0.000794 *12*	α=0.000794 *12*; α(K)=0.000696 *10*; α(L)=8.04×10^{-5} *12*; α(M)=1.518×10^{-5} *22*; α(N+..)=2.75×10^{-6} α(N)=2.63×10^{-6} *4*; α(O)=1.236×10^{-7} *18*
762.8 *3*	4 *2*	1750.14	(5/2$^+$)	987.312	(5/2)$^+$	[M1]	0.00226 *4*	α=0.00226 *4*; α(K)=0.00197 *3*; α(L)=0.000231 *4*; α(M)=4.38×10^{-5} *7*; α(N+..)=7.96×10^{-6} *12* α(N)=7.60×10^{-6} *11*; α(O)=3.64×10^{-7} *6*
770.18 *12*	12 *2*	2156.42	3/2$^+$	1386.27	3/2$^+$,5/2$^+$			
775.41 *7*	41 *2*	2333.34	3/2$^+$	1557.881	3/2$^+$	[M1]	0.00217 *3*	α=0.00217 *3*; α(K)=0.00190 *3*; α(L)=0.000222 *4*; α(M)=4.21×10^{-5} *6*; α(N+..)=7.67×10^{-6} *11* α(N)=7.32×10^{-6} *11*; α(O)=3.50×10^{-7} *5*
782.4 *3*	4 *2*	2472.99	(3/2$^+$,5/2$^+$,7/2$^+$)	1690.79	(3/2$^+$,5/2)			
788.7 *2*	6 *2*	1885.73?	(5/2$^+$,7/2$^+$,9/2$^+$)	1097.18	(9/2$^+$)			
800.23 *16*	10 *2*	2550.68	(5/2$^-$)	1750.14	(5/2$^+$)	[E1]	0.000710 *10*	α=0.000710 *10*; α(K)=0.000622 *9*; α(L)=7.18×10^{-5} *10*; α(M)=1.356×10^{-5} *19*; α(N+..)=2.46×10^{-6} *4* α(N)=2.35×10^{-6} *4*; α(O)=1.106×10^{-7} *16*
810.1 *8*	26 *1*	1243.41	(3/2$^+$,5/2,7/2$^-$)	433.222	5/2$^-$			
813.9[ac] *2*	8[a] *2*	2371.79	5/2$^+$,7/2$^+$	1557.881	3/2$^+$			
813.9[ac] *2*	8[a] *2*	2400.62	(3/2$^+$)	1586.87	1/2$^+$	[M1]	0.00194 *3*	α=0.00194 *3*; α(K)=0.001701 *24*; α(L)=0.000199 *3*; α(M)=3.77×10^{-5} *6*; α(N+..)=6.86×10^{-6} *10* α(N)=6.54×10^{-6} *10*; α(O)=3.13×10^{-7} *5*
825.72 *15*	26 *3*	1922.97	(7/2)$^+$	1097.18	(9/2$^+$)	[M1]	0.00188 *3*	α=0.00188 *3*; α(K)=0.001647 *23*; α(L)=0.000192 *3*; α(M)=3.65×10^{-5} *6*; α(N+..)=6.63×10^{-6} *10* α(N)=6.33×10^{-6} *9*; α(O)=3.03×10^{-7} *5*

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	α[&]	Comments
827.7[#c] *6*	2 *2*	2156.42	3/2+	1327.928	5/2+	[M1]	0.00187 *3*	α=0.00187 *3*; α(K)=0.001638 *23*; α(L)=0.000191 *3*; α(M)=3.63×10^{-5} *6*; α(N+..)=6.60×10^{-6} *10* α(N)=6.30×10^{-6} *9*; α(O)=3.02×10^{-7} *5*
836.3 *3*	5 *2*	2423.08	3/2+	1586.87	1/2+	[M1]	0.00183 *3*	α=0.00183 *3*; α(K)=0.001600 *23*; α(L)=0.000187 *3*; α(M)=3.54×10^{-5} *5*; α(N+..)=6.44×10^{-6} *9* α(N)=6.15×10^{-6} *9*; α(O)=2.95×10^{-7} *5*
842.44[b]	14[b] *4*	2400.62	(3/2+)	1557.881	3/2+	[M1]	0.00180 *3*	α=0.00180 *3*; α(K)=0.001574 *22*; α(L)=0.000184 *3*; α(M)=3.48×10^{-5} *5*; α(N+..)=6.34×10^{-6} *9* α(N)=6.05×10^{-6} *9*; α(O)=2.90×10^{-7} *4*
842.44[b]	7[b] *5*	2429.10	(3/2+)	1586.87	1/2+	[M1]	0.00180 *3*	α=0.00180 *3*; α(K)=0.001574 *22*; α(L)=0.000184 *3*; α(M)=3.48×10^{-5} *5*; α(N+..)=6.34×10^{-6} *9* α(N)=6.05×10^{-6} *9*; α(O)=2.90×10^{-7} *4*
858.95[b] *12*	21[b] *7*	2300.39	3/2+,5/2+	1441.59	5/2+			
858.95[bc] *12*	≤5[b]	2494.8	(3/2+ to 9/2−)	1635.81?	3/2+			
866.9 *2*	10 *1*	2308.32	3/2+	1441.59	5/2+	[M1]	0.001686 *24*	α=0.001686 *24*; α(K)=0.001475 *21*; α(L)=0.0001722 *25*; α(M)=3.26×10^{-5} *5*; α(N+..)=5.94×10^{-6} α(N)=5.66×10^{-6} *8*; α(O)=2.72×10^{-7} *4*
870.88 *14*	10 *3*	2429.10	(3/2+)	1557.881	3/2+	[M1]	0.001669 *24*	α=0.001669 *24*; α(K)=0.001460 *21*; α(L)=0.0001704 *24*; α(M)=3.23×10^{-5} *5*; α(N+..)=5.87×10^{-6} α(N)=5.61×10^{-6} *8*; α(O)=2.69×10^{-7} *4*
877.81 *9*	46 *2*	877.86	3/2−	0.0	1/2−	[M1]	0.001639 *23*	α=0.001639 *23*; α(K)=0.001434 *20*; α(L)=0.0001674 *24*; α(M)=3.17×10^{-5} *5*; α(N+..)=5.77×10^{-6} α(N)=5.51×10^{-6} *8*; α(O)=2.64×10^{-7} *4*
884.57 *8*	126 *2*	2326.04	(5/2+)	1441.59	5/2+	[M1]	0.001611 *23*	α=0.001611 *23*; α(K)=0.001410 *20*; α(L)=0.0001645 *23*; α(M)=3.12×10^{-5} *5*; α(N+..)=5.67×10^{-6} α(N)=5.41×10^{-6} *8*; α(O)=2.60×10^{-7} *4*
889.13 *8*	54 *2*	1986.34	(5/2+)	1097.18	(9/2+)	[E2]	0.001403 *20*	α=0.001403 *20*; α(K)=0.001223 *18*; α(L)=0.0001472 *21*; α(M)=2.79×10^{-5} *4*; α(N+..)=5.04×10^{-6} α(N)=4.82×10^{-6} *7*; α(O)=2.20×10^{-7} *3*
892.21[b] *8*	38[b] *8*	2308.32	3/2+	1416.10	1/2,3/2,5/2−			
892.21[bc] *8*	≤6[b]	2333.34	3/2+	1441.59	5/2+	[M1]	0.001580 *23*	α=0.001580 *23*; α(K)=0.001383 *20*; α(L)=0.0001613 *23*; α(M)=3.05×10^{-5} *5*; α(N+..)=5.56×10^{-6} α(N)=5.31×10^{-6} *8*; α(O)=2.55×10^{-7} *4*
896.61 *9*	18 *2*	1243.41	(3/2+,5/2,7/2−)	346.867	3/2−			
921.62 *5*	102 *2*	2249.57	(1/2+,3/2)	1327.928	5/2+			
928.8 *2*	7 *4*	2256.49	5/2+	1327.928	5/2+	[M1]	0.001444 *21*	α=0.001444 *21*; α(K)=0.001264 *18*; α(L)=0.0001473 *21*; α(M)=2.79×10^{-5} *4*; α(N+..)=5.08×10^{-6} α(N)=4.84×10^{-6} *7*; α(O)=2.33×10^{-7} *4*
934.14 *4*	271 *3*	987.312	(5/2)+	53.140	9/2+	[E2]	0.001251 *18*	α=0.001251 *18*; α(K)=0.001091 *16*; α(L)=0.0001307 *19*;

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	α[&]	Comments
								α(M)=2.48×10^{-5} *4*; α(N+..)=4.48×10^{-6} α(N)=4.28×10^{-6} *6*; α(O)=1.96×10^{-7} *3*
941.6 *11*	13 *2*	2327.83	3/2$^+$,5/2$^+$,7/2$^+$	1386.27	3/2$^+$,5/2$^+$			
948.04 *4*	182 *3*	1294.897	1/2$^+$	346.867	3/2$^-$	[E1]	0.000506 *7*	α=0.000506 *7*; α(K)=0.000444 *7*; α(L)=5.10×10^{-5} *8*; α(M)=9.63×10^{-6} *14*; α(N+..)=1.748×10^{-6} *25* α(N)=1.668×10^{-6} *24*; α(O)=7.91×10^{-8} *11*
954.53 *12*	6 *2*	2249.57	(1/2$^+$,3/2)	1294.897	1/2$^+$			
961.84 *3*	1000 *7*	987.312	(5/2)$^+$	25.470	7/2$^+$	[M1]	0.001336 *19*	α=0.001336 *19*; α(K)=0.001169 *17*; α(L)=0.0001361 *19*; α(M)=2.58×10^{-5} *4*; α(N+..)=4.69×10^{-6} α(N)=4.48×10^{-6} *7*; α(O)=2.15×10^{-7} *3*
[x]967.23 *6*	26 *2*							
972.48 *10*	12 *2*	2300.39	3/2$^+$,5/2$^+$	1327.928	5/2$^+$			
978.22 *15*	12 *2*	2419.30	5/2$^+$,7/2$^+$,9/2$^+$	1441.59	5/2$^+$			
981.5 *9*	29 *3*	2423.08	3/2$^+$	1441.59	5/2$^+$	[M1]	0.001277 *18*	α=0.001277 *18*; α(K)=0.001118 *16*; α(L)=0.0001301 *19*; α(M)=2.46×10^{-5} *4*; α(N+..)=4.48×10^{-6} α(N)=4.28×10^{-6} *6*; α(O)=2.06×10^{-7} *3*
984.58 *17*	15 *4*	2081.64	5/2$^+$,7/2$^+$	1097.18	(9/2$^+$)			
986.91 *10*	35 *3*	2314.81	5/2$^+$	1327.928	5/2$^+$	[M1]	0.001262 *18*	α=0.001262 *18*; α(K)=0.001104 *16*; α(L)=0.0001285 *18*; α(M)=2.43×10^{-5} *4*; α(N+..)=4.43×10^{-6} α(N)=4.23×10^{-6} *6*; α(O)=2.03×10^{-7} *3*
992.93 *14*	9 *2*	2550.68	(5/2$^-$)	1557.881	3/2$^+$	[E1]	0.000463 *7*	α=0.000463 *7*; α(K)=0.000406 *6*; α(L)=4.66×10^{-5} *7*; α(M)=8.80×10^{-6} *13*; α(N+..)=1.597×10^{-6} *23* α(N)=1.525×10^{-6} *22*; α(O)=7.24×10^{-8} *11*
998.43[bc]	12[b] *17*	1023.67	7/2$^-$	25.470	7/2$^+$	[M1]	0.001230 *18*	α=0.001230 *18*; α(K)=0.001076 *15*; α(L)=0.0001252 *18*; α(M)=2.37×10^{-5} *4*; α(N+..)=4.32×10^{-6} α(N)=4.12×10^{-6} *6*; α(O)=1.98×10^{-7} *3*
998.43[b]	20[b] *6*	1986.34	(5/2$^+$)	987.312	(5/2)$^+$	[M1]	0.001230 *18*	α=0.001230 *18*; α(K)=0.001076 *15*; α(L)=0.0001252 *18*; α(M)=2.37×10^{-5} *4*; α(N+..)=4.32×10^{-6} α(N)=4.12×10^{-6} *6*; α(O)=1.98×10^{-7} *3*
998.43[b]	31[b] *8*	2326.04	(5/2$^+$)	1327.928	5/2$^+$	[M1]	0.001230 *18*	α=0.001230 *18*; α(K)=0.001076 *15*; α(L)=0.0001252 *18*; α(M)=2.37×10^{-5} *4*; α(N+..)=4.32×10^{-6} α(N)=4.12×10^{-6} *6*; α(O)=1.98×10^{-7} *3*
1006.25 *9*	16 *3*	2249.57	(1/2$^+$,3/2)	1243.41	(3/2$^+$,5/2,7/2$^-$)			
1013.51 *8*	22 *2*	2308.32	3/2$^+$	1294.897	1/2$^+$	[M1]	0.001189 *17*	α=0.001189 *17*; α(K)=0.001041 *15*; α(L)=0.0001211 *17*; α(M)=2.29×10^{-5} *4*; α(N+..)=4.17×10^{-6} α(N)=3.98×10^{-6} *6*; α(O)=1.91×10^{-7} *3*
[x]1021.5 *2*	7 *3*							
1031.86[b]	10[b] *7*	2326.04	(5/2$^+$)	1294.897	1/2$^+$	[E2]	0.000999 *14*	α=0.000999 *14*; α(K)=0.000873 *13*; α(L)=0.0001037 *15*; α(M)=1.96×10^{-5} *3*; α(N+..)=3.55×10^{-6} α(N)=3.40×10^{-6} *5*; α(O)=1.570×10^{-7} *22*

$^{105}_{47}Ag_{58}$-11

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	α[&]	Comments
1031.86[b]	15[b] *10*	2472.99	(3/2$^+$,5/2$^+$,7/2$^+$)	1441.59	5/2$^+$			
1033.1 *2*	15 *4*	2419.30	5/2$^+$,7/2$^+$,9/2$^+$	1386.27	3/2$^+$,5/2$^+$			
1038.44 *6*	125 *2*	2333.34	3/2$^+$	1294.897	1/2$^+$	[M1]	0.001127 *16*	α=0.001127 *16*; α(K)=0.000987 *14*; α(L)=0.0001147 *16*; α(M)=2.17×10^{-5} *3*; α(N+..)=3.95×10^{-6} α(N)=3.77×10^{-6} *6*; α(O)=1.81×10^{-7} *3*
1039.4[c] *2*	≤6	1386.27	3/2$^+$,5/2$^+$	346.867	3/2$^-$			
1042.7	45 *17*	1042.66	3/2$^-$,5/2$^-$	0.0	1/2$^-$			
1044.0	60 *14*	1097.18	(9/2$^+$)	53.140	9/2$^+$	[M1]	0.001114 *16*	α=0.001114 *16*; α(K)=0.000976 *14*; α(L)=0.0001134 *16*; α(M)=2.15×10^{-5} *3*; α(N+..)=3.91×10^{-6} α(N)=3.73×10^{-6} *6*; α(O)=1.79×10^{-7} *3*
1061.4 *3*	4 *2*	2447.21	(5/2$^+$,7/2$^+$)	1386.27	3/2$^+$,5/2$^+$			
1071.65 *5*	273 *4*	1097.18	(9/2$^+$)	25.470	7/2$^+$	[M1]	0.001052 *15*	α=0.001052 *15*; α(K)=0.000921 *13*; α(L)=0.0001070 *15*; α(M)=2.03×10^{-5} *3*; α(N+..)=3.69×10^{-6} α(N)=3.52×10^{-6} *5*; α(O)=1.692×10^{-7} *24*
1082.56 *16*	13 *3*	2326.04	(5/2$^+$)	1243.41	(3/2$^+$,5/2,7/2$^-$)			
1091.0 *3*	6 *2*	2419.30	5/2$^+$,7/2$^+$,9/2$^+$	1327.928	5/2$^+$			
1095.7 *4*	3 *2*	2423.08	3/2$^+$	1327.928	5/2$^+$	[M1]	0.001002 *14*	α=0.001002 *14*; α(K)=0.000878 *13*; α(L)=0.0001019 *15*; α(M)=1.93×10^{-5} *3*; α(N+..)=3.51×10^{-6} α(N)=3.35×10^{-6} *5*; α(O)=1.612×10^{-7} *23*
1105.8 *2*	6 *1*	2400.62	(3/2$^+$)	1294.897	1/2$^+$	[M1]	0.000983 *14*	α=0.000983 *14*; α(K)=0.000860 *12*; α(L)=9.98×10^{-5} *14*; α(M)=1.89×10^{-5} *3*; α(N+..)=3.97×10^{-6} *6* α(N)=3.28×10^{-6} *5*; α(O)=1.580×10^{-7} *23*; α(IPF)=5.31×10^{-7} *9*
1109.15[bc]	≤6[b]	2494.8	(3/2$^+$ to 9/2$^-$)	1386.27	3/2$^+$,5/2$^+$			
1109.15[b]	8[b] *4*	2550.68	(5/2$^-$)	1441.59	5/2$^+$	[E1]	0.000382 *6*	α=0.000382 *6*; α(K)=0.000330 *5*; α(L)=3.78×10^{-5} *6*; α(M)=7.13×10^{-6} *10*; α(N+..)=6.77×10^{-6} *10* α(N)=1.236×10^{-6} *18*; α(O)=5.89×10^{-8} *9*; α(IPF)=5.47×10^{-6} *8*
1119.7 *2*	13 *2*	2447.21	(5/2$^+$,7/2$^+$)	1327.928	5/2$^+$			
1124.73 *8*	20 *2*	1557.881	3/2$^+$	433.222	5/2$^-$	[E1]	0.000375 *6*	α=0.000375 *6*; α(K)=0.000322 *5*; α(L)=3.68×10^{-5} *6*; α(M)=6.95×10^{-6} *10*; α(N+..)=9.58×10^{-6} *14* α(N)=1.205×10^{-6} *17*; α(O)=5.74×10^{-8} *8*; α(IPF)=8.32×10^{-6} *12*
[x]1137.2 *2*	8 *2*							
1144.7 *3*	3 *1*	2472.99	(3/2$^+$,5/2$^+$,7/2$^+$)	1327.928	5/2$^+$			
1147.9 *4*	2 *1*	2314.81	5/2$^+$	1166.29	9/2$^-$	[M2]	0.00209 *3*	α=0.00209 *3*; α(K)=0.00183 *3*; α(L)=0.000218 *3*; α(M)=4.15×10^{-5} *6*; α(N+..)=7.86×10^{-6} *11* α(N)=7.20×10^{-6} *11*; α(O)=3.43×10^{-7} *5*; α(IPF)=3.13×10^{-7} *6*
[x]1159.75 *16*	≈7							
1159.75[c]	≤7	2256.49	5/2$^+$	1097.18	(9/2$^+$)	[E2]	0.000778 *11*	α=0.000778 *11*; α(K)=0.000677 *10*; α(L)=7.98×10^{-5}

$^{105}_{47}Ag_{58}$-12

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [‡]	α [&]	Comments
								12; α(M)=1.512×10^{-5} *22*; α(N+..)=5.84×10^{-6} α(N)=2.62×10^{-6} *4*; α(O)=1.220×10^{-7} *17*; α(IPF)=3.11×10^{-6} *5*
1169.09 *8*	24 *2*	2156.42	3/2$^+$	987.312	(5/2)$^+$	[M1]	0.000874 *13*	α=0.000874 *13*; α(K)=0.000762 *11*; α(L)=8.83×10^{-5} *13*; α(M)=1.672×10^{-5} *24*; α(N+..)=6.29×10^{-6} α(N)=2.90×10^{-6} *4*; α(O)=1.399×10^{-7} *20*; α(IPF)=3.24×10^{-6} *5*
1196.3 *3*	5 *1*	1543.2	3/2$^-$,5/2$^-$	346.867	3/2$^-$			
1205.4 *3*	4 *2*	2371.79	5/2$^+$,7/2$^+$	1166.29	9/2$^-$			
1211.09 *7*	42 *3*	1557.881	3/2$^+$	346.867	3/2$^-$	[E1]	0.000363 *5*	α=0.000363 *5*; α(K)=0.000282 *4*; α(L)=3.21×10^{-5} *5*; α(M)=6.07×10^{-6} *9*; α(N+..)=4.37×10^{-5} *7* α(N)=1.052×10^{-6} *15*; α(O)=5.02×10^{-8} *7*; α(IPF)=4.26×10^{-5} *6*
1217.5[ac] *2*	4[a] *1*	1243.41	(3/2$^+$,5/2,7/2$^-$)	25.470	7/2$^+$			
1217.5[ac] *2*	4[a] *1*	2314.81	5/2$^+$	1097.18	(9/2$^+$)	[E2]	0.000709 *10*	α=0.000709 *10*; α(K)=0.000611 *9*; α(L)=7.18×10^{-5} *10*; α(M)=1.360×10^{-5} *19*; α(N+..)=1.208×10^{-5} α(N)=2.35×10^{-6} *4*; α(O)=1.102×10^{-7} *16*; α(IPF)=9.62×10^{-6} *14*
1228.74 *6*	52 *4*	2326.04	(5/2$^+$)	1097.18	(9/2$^+$)	[E2]	0.000697 *10*	α=0.000697 *10*; α(K)=0.000600 *9*; α(L)=7.04×10^{-5} *10*; α(M)=1.333×10^{-5} *19*; α(N+..)=1.373×10^{-5} α(N)=2.31×10^{-6} *4*; α(O)=1.081×10^{-7} *16*; α(IPF)=1.131×10^{-5} *16*
1232.84 *13*	14 *2*	2256.49	5/2$^+$	1023.67	7/2$^-$	[E1]	0.000366 *6*	α=0.000366 *6*; α(K)=0.000273 *4*; α(L)=3.11×10^{-5} *5*; α(M)=5.88×10^{-6} *9*; α(N+..)=5.58×10^{-5} *8* α(N)=1.019×10^{-6} *15*; α(O)=4.86×10^{-8} *7*; α(IPF)=5.48×10^{-5} *8*
1239.98 *5*	61 *2*	1586.87	1/2$^+$	346.867	3/2$^-$	[E1]	0.000366 *6*	α=0.000366 *6*; α(K)=0.000270 *4*; α(L)=3.08×10^{-5} *5*; α(M)=5.82×10^{-6} *9*; α(N+..)=5.99×10^{-5} *9* α(N)=1.009×10^{-6} *15*; α(O)=4.82×10^{-8} *7*; α(IPF)=5.89×10^{-5} *9*
[x]1256.5 *10*	≈17							
1256.5[c]	≤6	2584.25	(5/2$^+$)	1327.928	5/2$^+$	[M1]	0.000759 *11*	α=0.000759 *11*; α(K)=0.000653 *10*; α(L)=7.55×10^{-5} *11*; α(M)=1.429×10^{-5} *20*; α(N+..)=1.617×10^{-5} α(N)=2.48×10^{-6} *4*; α(O)=1.197×10^{-7} *17*; α(IPF)=1.357×10^{-5} *19*
1262.24 *14*	8 *2*	2249.57	(1/2$^+$,3/2)	987.312	(5/2)$^+$			
1274.78 *4*	175 *3*	1327.928	5/2$^+$	53.140	9/2$^+$	[E2]	0.000655 *10*	α=0.000655 *10*; α(K)=0.000556 *8*; α(L)=6.51×10^{-5} *10*; α(M)=1.232×10^{-5} *18*; α(N+..)=2.15×10^{-5} *3* α(N)=2.13×10^{-6} *3*; α(O)=1.002×10^{-7} *14*; α(IPF)=1.92×10^{-5} *3*
1283.6 *3*	5 *2*	2326.04	(5/2$^+$)	1042.66	3/2$^-$,5/2$^-$			
1289.6 *4*	6 *2*	2584.25	(5/2$^+$)	1294.897	1/2$^+$	[E2]	0.000642 *9*	α=0.000642 *9*; α(K)=0.000543 *8*; α(L)=6.35×10^{-5} *9*; α(M)=1.203×10^{-5} *17*; α(N+..)=2.43×10^{-5} *4* α(N)=2.08×10^{-6} *3*; α(O)=9.78×10^{-8} *14*; α(IPF)=2.21×10^{-5} *4*
1294.89 *4*	66 *2*	1294.897	1/2$^+$	0.0	1/2$^-$	[E1]	0.000376 *6*	α=0.000376 *6*; α(K)=0.000250 *4*; α(L)=2.85×10^{-5} *4*; α(M)=5.38×10^{-6} *8*; α(N+..)=9.21×10^{-5} *13* α(N)=9.34×10^{-7} *13*; α(O)=4.46×10^{-8} *7*; α(IPF)=9.11×10^{-5} *13*

γ(^{105}Ag) (continued)

E_γ †	I_γ †@	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	α&	Comments
1302.46[b] *2*	848[b] *16*	1327.928	5/2$^+$	25.470	7/2$^+$	[M1]	0.000711 *10*	α=0.000711 *10*; α(K)=0.000605 *9*; α(L)=6.99×10^{-5} *10*; α(M)=1.323×10^{-5} *19*; α(N+..)=2.37×10^{-5} *4* α(N)=2.30×10^{-6} *4*; α(O)=1.108×10^{-7} *16*; α(IPF)=2.13×10^{-5} *3*
1302.46[b]	20[b] *10*	2326.04	(5/2$^+$)	1023.67	7/2$^-$	[E1]	0.000378 *6*	α=0.000378 *6*; α(K)=0.000248 *4*; α(L)=2.82×10^{-5} *4*; α(M)=5.33×10^{-6} *8*; α(N+..)=9.66×10^{-5} *14* α(N)=9.24×10^{-7} *13*; α(O)=4.42×10^{-8} *7*; α(IPF)=9.57×10^{-5} *14*
[x]1317.41 *11*	16 *2*							
1322.20[b]	24[b] *7*	1669.54	(3/2$^+$,5/2)	346.867	3/2$^-$			
1322.20[b]	13[b] *8*	2419.30	5/2$^+$,7/2$^+$,9/2$^+$	1097.18	(9/2$^+$)			
1327.20 *17*	10 *2*	2314.81	5/2$^+$	987.312	(5/2)$^+$	[M1]	0.000689 *10*	α=0.000689 *10*; α(K)=0.000581 *9*; α(L)=6.71×10^{-5} *10*; α(M)=1.270×10^{-5} *18*; α(N+..)=2.84×10^{-5} *4* α(N)=2.21×10^{-6} *3*; α(O)=1.065×10^{-7} *15*; α(IPF)=2.61×10^{-5} *4*
1338.69 *4*	139 *4*	2326.04	(5/2$^+$)	987.312	(5/2)$^+$	[M1]	0.000680 *10*	α=0.000680 *10*; α(K)=0.000570 *8*; α(L)=6.59×10^{-5} *10*; α(M)=1.247×10^{-5} *18*; α(N+..)=3.08×10^{-5} *5* α(N)=2.17×10^{-6} *3*; α(O)=1.045×10^{-7} *15*; α(IPF)=2.85×10^{-5} *4*
1340.50 *6*	66 *4*	2327.83	3/2$^+$,5/2$^+$,7/2$^+$	987.312	(5/2)$^+$			
1343.82 *10*	19 *2*	1690.79	(3/2$^+$,5/2)	346.867	3/2$^-$			
1350.0 *3*	4 *2*	2447.21	(5/2$^+$,7/2$^+$)	1097.18	(9/2$^+$)			
1360.79 *4*	119 *15*	1386.27	3/2$^+$,5/2$^+$	25.470	7/2$^+$			
1361.5 *2*	26 *11*	1794.44	7/2$^+$	433.222	5/2$^-$	[E1]	0.000395 *6*	α=0.000395 *6*; α(K)=0.000229 *4*; α(L)=2.61×10^{-5} *4*; α(M)=4.93×10^{-6} *7*; α(N+..)=0.0001349 *19* α(N)=8.55×10^{-7} *12*; α(O)=4.09×10^{-8} *6*; α(IPF)=0.0001340 *19*
1375.77 *8*	24 *2*	2472.99	(3/2$^+$,5/2$^+$,7/2$^+$)	1097.18	(9/2$^+$)			
1388.48 *3*	575 *5*	1441.59	5/2$^+$	53.140	9/2$^+$	[E2]	0.000580 *9*	α=0.000580 *9*; α(K)=0.000467 *7*; α(L)=5.44×10^{-5} *8*; α(M)=1.030×10^{-5} *15*; α(N+..)=4.79×10^{-5} *7* α(N)=1.785×10^{-6} *25*; α(O)=8.42×10^{-8} *12*; α(IPF)=4.61×10^{-5} *7*
1403.10 *6*	83 *3*	1750.14	(5/2$^+$)	346.867	3/2$^-$	[E1]	0.000411 *6*	α=0.000411 *6*; α(K)=0.000218 *3*; α(L)=2.48×10^{-5} *4*; α(M)=4.68×10^{-6} *7*; α(N+..)=0.0001639 *23* α(N)=8.11×10^{-7} *12*; α(O)=3.88×10^{-8} *6*; α(IPF)=0.0001630 *23*
1413.24 *18*	30 *7*	2400.62	(3/2$^+$)	987.312	(5/2)$^+$	[M1]	0.000627 *9*	α=0.000627 *9*; α(K)=0.000509 *8*; α(L)=5.87×10^{-5} *9*; α(M)=1.111×10^{-5} *16*; α(N+..)=4.87×10^{-5} *7* α(N)=1.93×10^{-6} *3*; α(O)=9.32×10^{-8} *13*; α(IPF)=4.67×10^{-5} *7*
1416.1[b]	40[b] *15*	1416.10	1/2,3/2,5/2$^-$	0.0	1/2$^-$			
1416.1[b] *10*	310[b] *25*	1441.59	5/2$^+$	25.470	7/2$^+$	[M1]	0.000626 *9*	α=0.000626 *9*; α(K)=0.000507 *8*; α(L)=5.85×10^{-5} *9*;

$^{105}_{47}Ag_{58}$-14

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [‡]	α [&]	Comments
								α(M)=1.106×10^{-5} *16*; α(N+..)=4.95×10^{-5} *8* α(N)=1.92×10^{-6} *3*; α(O)=9.28×10^{-8} *13*; α(IPF)=4.75×10^{-5} *8*
1422.19 *15*	6 *2*	2300.39	3/2$^+$,5/2$^+$	877.86	3/2$^-$			
1431.85 *16*	9 *2*	2419.30	5/2$^+$,7/2$^+$,9/2$^+$	987.312	(5/2)$^+$			
1459.62 *13*	18 *3*	2447.21	(5/2$^+$,7/2$^+$)	987.312	(5/2)$^+$			
[x]1465.1 *4*	3 *2*							
[x]1469.1[#] *6*	2 *2*							
1485.71 *8*	36 *2*	2472.99	(3/2$^+$,5/2$^+$,7/2$^+$)	987.312	(5/2)$^+$			
1489.72 *5*	95 *2*	1922.97	(7/2)$^+$	433.222	5/2$^-$	[E1]	0.000451 *7*	α=0.000451 *7*; α(K)=0.000197 *3*; α(L)=2.24×10^{-5} *4*; α(M)=4.22×10^{-6} *6*; α(N+..)=0.000227 *4* α(N)=7.32×10^{-7} *11*; α(O)=3.51×10^{-8} *5*; α(IPF)=0.000227 *4*
1507.8[ac] *3*	5[a] *1*	2494.8	(3/2$^+$ to 9/2$^-$)	987.312	(5/2)$^+$			
1507.8[ac] *3*	5[a] *1*	2550.68	(5/2$^-$)	1042.66	3/2$^-$,5/2$^-$			
1522.9 *3*	4 *2*	2400.62	(3/2$^+$)	877.86	3/2$^-$	[E1]	0.000468 *7*	α=0.000468 *7*; α(K)=0.000190 *3*; α(L)=2.15×10^{-5} *3*; α(M)=4.07×10^{-6} *6*; α(N+..)=0.000253 *4* α(N)=7.06×10^{-7} *10*; α(O)=3.38×10^{-8} *5*; α(IPF)=0.000252 *4*
1532.32 *12*	14 *2*	1557.881	3/2$^+$	25.470	7/2$^+$	[E2]	0.000533 *8*	α=0.000533 *8*; α(K)=0.000384 *6*; α(L)=4.46×10^{-5} *7*; α(M)=8.43×10^{-6} *12*; α(N+..)=9.55×10^{-5} *14* α(N)=1.461×10^{-6} *21*; α(O)=6.93×10^{-8} *10*; α(IPF)=9.39×10^{-5} *14*
1552.8 *3*	7 *2*	1986.34	(5/2$^+$)	433.222	5/2$^-$	[E1]	0.000484 *7*	α=0.000484 *7*; α(K)=0.000184 *3*; α(L)=2.09×10^{-5} *3*; α(M)=3.94×10^{-6} *6*; α(N+..)=0.000276 *4* α(N)=6.83×10^{-7} *10*; α(O)=3.28×10^{-8} *5*; α(IPF)=0.000275 *4*
1557.84 *4*	437 *4*	1557.881	3/2$^+$	0.0	1/2$^-$	[E1]	0.000487 *7*	α=0.000487 *7*; α(K)=0.000183 *3*; α(L)=2.07×10^{-5} *3*; α(M)=3.92×10^{-6} *6*; α(N+..)=0.000279 *4* α(N)=6.79×10^{-7} *10*; α(O)=3.26×10^{-8} *5*; α(IPF)=0.000279 *4*
1582.56 *7*	135 *2*	1635.80?	5/2$^+$	53.140	9/2$^+$	[E2]	0.000525 *8*	α=0.000525 *8*; α(K)=0.000361 *5*; α(L)=4.18×10^{-5} *6*; α(M)=7.90×10^{-6} *11*; α(N+..)=0.0001150 *17* α(N)=1.370×10^{-6} *20*; α(O)=6.51×10^{-8} *10*; α(IPF)=0.0001136 *16*
1586.84 *8*	44 *2*	1586.87	1/2$^+$	0.0	1/2$^-$	[M1]	0.000560 *8*	α=0.000560 *8*; α(K)=0.000400 *6*; α(L)=4.60×10^{-5} *7*; α(M)=8.71×10^{-6} *13*; α(N+..)=0.0001053 *15* α(N)=1.513×10^{-6} *22*; α(O)=7.31×10^{-8} *11*; α(IPF)=0.0001037 *15*
1610.3[ac] *6*	56[a] *3*	1635.80?	5/2$^+$	25.470	7/2$^+$	[M1]	0.000555 *8*	α=0.000555 *8*; α(K)=0.000388 *6*; α(L)=4.46×10^{-5} *7*; α(M)=8.44×10^{-6} *12*; α(N+..)=0.0001142 *17* α(N)=1.467×10^{-6} *21*; α(O)=7.09×10^{-8} *10*; α(IPF)=0.0001126 *16*
1610.3[ac] *6*	56[a] *3*	1635.81?	3/2$^+$	25.470	7/2$^+$	[E2]	0.000523 *8*	α=0.000523 *8*; α(K)=0.000349 *5*; α(L)=4.04×10^{-5} *6*; α(M)=7.64×10^{-6} *11*; α(N+..)=0.0001263 *18* α(N)=1.324×10^{-6} *19*; α(O)=6.29×10^{-8} *9*; α(IPF)=0.0001249 *18*

$^{105}_{47}Ag_{58}$-15

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ †	I_γ †@	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	α&	Comments
1635.81 *6*	223 *4*	1635.81?	3/2$^+$	0.0	1/2$^-$	[E1]	0.000531 *8*	α=0.000531 *8*; α(K)=0.0001685 *24*; α(L)=1.91×10^{-5} *3*; α(M)=3.61×10^{-6} *5*; α(N+..)=0.000340 *5* α(N)=6.27×10^{-7} *9*; α(O)=3.01×10^{-8} *5*; α(IPF)=0.000339 *5*
1644.03 *7*	186 *3*	1669.54	(3/2$^+$,5/2)	25.470	7/2$^+$			
1665.0 *8*	75 *14*	1718.83	(5/2 to 11/2)	53.140	9/2$^+$			
1665.65 *10*	203 *18*	1690.79	(3/2$^+$,5/2)	25.470	7/2$^+$			
1693.34 *5*	755 *5*	1718.83	(5/2 to 11/2)	25.470	7/2$^+$			
1697.2 *2*	25 *3*	1750.14	(5/2$^+$)	53.140	9/2$^+$	[E2]	0.000522 *8*	α=0.000522 *8*; α(K)=0.000315 *5*; α(L)=3.64×10^{-5} *6*; α(M)=6.89×10^{-6} *10*; α(N+..)=0.0001631 *23* α(N)=1.195×10^{-6} *17*; α(O)=5.69×10^{-8} *8*; α(IPF)=0.0001619 *23*
1724.69 *7*	148 *3*	1750.14	(5/2$^+$)	25.470	7/2$^+$	[M1]	0.000543 *8*	α=0.000543 *8*; α(K)=0.000337 *5*; α(L)=3.87×10^{-5} *6*; α(M)=7.32×10^{-6} *11*; α(N+..)=0.0001596 *23* α(N)=1.273×10^{-6} *18*; α(O)=6.16×10^{-8} *9*; α(IPF)=0.0001583 *23*
1741.8 *4*	7 *2*	1794.44	7/2$^+$	53.140	9/2$^+$	[M1]	0.000542 *8*	α=0.000542 *8*; α(K)=0.000330 *5*; α(L)=3.80×10^{-5} *6*; α(M)=7.18×10^{-6} *10*; α(N+..)=0.0001668 *24* α(N)=1.247×10^{-6} *18*; α(O)=6.04×10^{-8} *9*; α(IPF)=0.0001655 *24*
1797.5 *4*	5 *2*	2144.4	3/2$^-$,5/2$^-$	346.867	3/2$^-$			
1809.0 *4*	5 *1*	2156.42	3/2$^+$	346.867	3/2$^-$	[E1]	0.000633 *9*	α=0.000633 *9*; α(K)=0.0001433 *20*; α(L)=1.624×10^{-5} *23*; α(M)=3.06×10^{-6} *5*; α(N+..)=0.000471 α(N)=5.32×10^{-7} *8*; α(O)=2.56×10^{-8} *4*; α(IPF)=0.000470 *7*
1823.1 *2*	33 *7*	2256.49	5/2$^+$	433.222	5/2$^-$	[E1]	0.000642 *9*	α=0.000642 *9*; α(K)=0.0001416 *20*; α(L)=1.604×10^{-5} *23*; α(M)=3.03×10^{-6} *5*; α(N+..)=0.000481 α(N)=5.25×10^{-7} *8*; α(O)=2.53×10^{-8} *4*; α(IPF)=0.000481 *7*
1831.67[c] *14*	33 *2*	1884.8?	(9/2$^+$)	53.140	9/2$^+$	[M1]	0.000545 *8*	α=0.000545 *8*; α(K)=0.000298 *5*; α(L)=3.42×10^{-5} *5*; α(M)=6.48×10^{-6} *9*; α(N+..)=0.000206 *3* α(N)=1.125×10^{-6} *16*; α(O)=5.45×10^{-8} *8*; α(IPF)=0.000205 *3*
[x]1853.6[#] *8*	1 *1*							
1860.1 *2*	8 *2*	1885.73?	(5/2$^+$,7/2$^+$,9/2$^+$)	25.470	7/2$^+$			
1867.3 *3*	10 *2*	2300.39	3/2$^+$,5/2$^+$	433.222	5/2$^-$			
1869.74 *9*	136 *3*	1922.97	(7/2)$^+$	53.140	9/2$^+$	[M1]	0.000549 *8*	α=0.000549 *8*; α(K)=0.000286 *4*; α(L)=3.28×10^{-5} *5*; α(M)=6.21×10^{-6} *9*; α(N+..)=0.000223 *4* α(N)=1.079×10^{-6} *16*; α(O)=5.23×10^{-8} *8*; α(IPF)=0.000222 *4*
1874.99 *14*	19 *2*	2308.32	3/2$^+$	433.222	5/2$^-$	[E1]	0.000673 *10*	α=0.000673 *10*; α(K)=0.0001355 *19*; α(L)=1.534×10^{-5} *22*; α(M)=2.89×10^{-6} *4*; α(N+..)=0.000520 α(N)=5.02×10^{-7} *7*; α(O)=2.42×10^{-8} *4*; α(IPF)=0.000519 *8*
1881.36 *12*	28 *2*	2314.81	5/2$^+$	433.222	5/2$^-$	[E1]	0.000677 *10*	α=0.000677 *10*; α(K)=0.0001347 *19*; α(L)=1.525×10^{-5} *22*; α(M)=2.88×10^{-6} *4*; α(N+..)=0.000524 α(N)=5.00×10^{-7} *7*; α(O)=2.41×10^{-8} *4*; α(IPF)=0.000524 *8*
1892.89 *8*	151 *2*	2326.04	(5/2$^+$)	433.222	5/2$^-$	[E1]	0.000684 *10*	α=0.000684 *10*; α(K)=0.0001335 *19*; α(L)=1.511×10^{-5} *22*; α(M)=2.85×10^{-6} *4*; α(N+..)=0.000533 α(N)=4.95×10^{-7} *7*; α(O)=2.38×10^{-8} *4*; α(IPF)=0.000532 *8*

$^{105}_{47}Ag_{58}$-16

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [‡]	α [&]	Comments
1894.8 *3*	10 *8*	2327.83	3/2$^+$,5/2$^+$,7/2$^+$	433.222	5/2$^-$			
1897.52 *7*	308 *3*	1922.97	(7/2)$^+$	25.470	7/2$^+$	[M1]	0.000552 *8*	α=0.000552 *8*; α(K)=0.000278 *4*; α(L)=3.19×10^{-5} *5*; α(M)=6.03×10^{-6} *9*; α(N+..)=0.000236 *4* α(N)=1.048×10^{-6} *15*; α(O)=5.07×10^{-8} *8*; α(IPF)=0.000235 *4*
1900.21 *13*	25 *2*	2333.34	3/2$^+$	433.222	5/2$^-$	[E1]	0.000689 *10*	α=0.000689 *10*; α(K)=0.0001327 *19*; α(L)=1.502×10^{-5} *21*; α(M)=2.83×10^{-6} *4*; α(N+..)=0.000538 α(N)=4.92×10^{-7} *7*; α(O)=2.37×10^{-8} *4*; α(IPF)=0.000538 *8*
1902.79 *13*	28 *2*	2249.57	(1/2$^+$,3/2)	346.867	3/2$^-$			
1909.69 *8*	130 *3*	2256.49	5/2$^+$	346.867	3/2$^-$	[E1]	0.000694 *10*	α=0.000694 *10*; α(K)=0.0001316 *19*; α(L)=1.490×10^{-5} *21*; α(M)=2.81×10^{-6} *4*; α(N+..)=0.000545 α(N)=4.88×10^{-7} *7*; α(O)=2.35×10^{-8} *4*; α(IPF)=0.000544 *8*
1929.1 *2*	10 *2*	2275.99	5/2$^+$	346.867	3/2$^-$	[E1]	0.000706 *10*	α=0.000706 *10*; α(K)=0.0001296 *19*; α(L)=1.466×10^{-5} *21*; α(M)=2.77×10^{-6} *4*; α(N+..)=0.000559 α(N)=4.80×10^{-7} *7*; α(O)=2.31×10^{-8} *4*; α(IPF)=0.000559 *8*
1933.11 *8*	339 *3*	1986.34	(5/2$^+$)	53.140	9/2$^+$	[E2]	0.000552 *8*	α=0.000552 *8*; α(K)=0.000247 *4*; α(L)=2.84×10^{-5} *4*; α(M)=5.37×10^{-6} *8*; α(N+..)=0.000271 *4* α(N)=9.31×10^{-7} *13*; α(O)=4.46×10^{-8} *7*; α(IPF)=0.000270 *4*
1938.5 *9*	63 *2*	2371.79	5/2$^+$,7/2$^+$	433.222	5/2$^-$			
1953.51 *16*	13 *1*	2300.39	3/2$^+$,5/2$^+$	346.867	3/2$^-$			
1960.89[b] *9*	189[b] *10*	1986.34	(5/2$^+$)	25.470	7/2$^+$	[M1]	0.000561 *8*	α=0.000561 *8*; α(K)=0.000260 *4*; α(L)=2.98×10^{-5} *5*; α(M)=5.64×10^{-6} *8*; α(N+..)=0.000265 *4* α(N)=9.80×10^{-7} *14*; α(O)=4.75×10^{-8} *7*; α(IPF)=0.000264 *4*
1960.89[b]	11[b] *7*	2308.32	3/2$^+$	346.867	3/2$^-$	[E1]	0.000725 *11*	α=0.000725 *11*; α(K)=0.0001263 *18*; α(L)=1.429×10^{-5} *20*; α(M)=2.70×10^{-6} *4*; α(N+..)=0.000582 α(N)=4.68×10^{-7} *7*; α(O)=2.26×10^{-8} *4*; α(IPF)=0.000581 *9*
[x]1975.66 *10*	52 *7*							
1986.57 *7*	161 *2*	2333.34	3/2$^+$	346.867	3/2$^-$	[E1]	0.000741 *11*	α=0.000741 *11*; α(K)=0.0001238 *18*; α(L)=1.400×10^{-5} *20*; α(M)=2.64×10^{-6} *4*; α(N+..)=0.000600 α(N)=4.59×10^{-7} *7*; α(O)=2.21×10^{-8} *3*; α(IPF)=0.000600 *9*
1995.97 *10*	29 *3*	2429.10	(3/2$^+$)	433.222	5/2$^-$	[E1]	0.000746 *11*	α=0.000746 *11*; α(K)=0.0001229 *18*; α(L)=1.390×10^{-5} *20*; α(M)=2.62×10^{-6} *4*; α(N+..)=0.000607 α(N)=4.55×10^{-7} *7*; α(O)=2.19×10^{-8} *3*; α(IPF)=0.000607 *9*
2014.0 *3*	7 *2*	2447.21	(5/2$^+$,7/2$^+$)	433.222	5/2$^-$			
2028.48 *7*	135 *4*	2081.64	5/2$^+$,7/2$^+$	53.140	9/2$^+$			
2053.6 *14*	34 *2*	2400.62	(3/2$^+$)	346.867	3/2$^-$	[E1]	0.000781 *11*	α=0.000781 *11*; α(K)=0.0001176 *17*; α(L)=1.330×10^{-5} *19*; α(M)=2.51×10^{-6} *4*; α(N+..)=0.000648 α(N)=4.36×10^{-7} *7*; α(O)=2.10×10^{-8} *3*; α(IPF)=0.000647 *10*
2056.06 *13*	52 *2*	2081.64	5/2$^+$,7/2$^+$	25.470	7/2$^+$			
2061.5 *3*	5 *1*	2494.8	(3/2$^+$ to 9/2$^-$)	433.222	5/2$^-$			
2076.5 *4*	8 *1*	2423.08	3/2$^+$	346.867	3/2$^-$	[E1]	0.000795 *12*	α=0.000795 *12*; α(K)=0.0001156 *17*; α(L)=1.307×10^{-5} *19*; α(M)=2.47×10^{-6} *4*; α(N+..)=0.000664 α(N)=4.28×10^{-7} *6*; α(O)=2.06×10^{-8} *3*; α(IPF)=0.000663 *10*

γ(^{105}Ag) (continued)

E_γ [†]	I_γ [†@]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [‡]	α [&]	Comments
[x]2095.2[#] *6*	2 *1*							
2117.3 *15*	19 *2*	2550.68	(5/2$^-$)	433.222	5/2$^-$	[M1]	0.000593 *9*	α=0.000593 *9*; α(K)=0.000224 *4*; α(L)=2.56×10^{-5} *4*; α(M)=4.84×10^{-6} *7*; α(N+..)=0.000339 *5* α(N)=8.41×10^{-7} *12*; α(O)=4.08×10^{-8} *6*; α(IPF)=0.000338 *5*
2156.2 *11*	80 *3*	2156.42	3/2$^+$	0.0	1/2$^-$	[E1]	0.000842 *12*	α=0.000842 *12*; α(K)=0.0001092 *16*; α(L)=1.234×10^{-5} *18*; α(M)=2.33×10^{-6} *4*; α(N+..)=0.000718 α(N)=4.04×10^{-7} *6*; α(O)=1.95×10^{-8} *3*; α(IPF)=0.000718 *10*
2203.58[bc]	≤8[b]	2256.49	5/2$^+$	53.140	9/2$^+$	[E2]	0.000622 *9*	α=0.000622 *9*; α(K)=0.000195 *3*; α(L)=2.23×10^{-5} *4*; α(M)=4.21×10^{-6} *6*; α(N+..)=0.000401 *6* α(N)=7.31×10^{-7} *11*; α(O)=3.51×10^{-8} *5*; α(IPF)=0.000400 *6*
2203.58[b]	20[b] *8*	2550.68	(5/2$^-$)	346.867	3/2$^-$	[M1]	0.000616 *9*	α=0.000616 *9*; α(K)=0.000207 *3*; α(L)=2.36×10^{-5} *4*; α(M)=4.47×10^{-6} *7*; α(N+..)=0.000381 *6* α(N)=7.77×10^{-7} *11*; α(O)=3.77×10^{-8} *6*; α(IPF)=0.000380 *6*
2230.88 *12*	42 *2*	2256.49	5/2$^+$	25.470	7/2$^+$	[M1]	0.000623 *9*	α=0.000623 *9*; α(K)=0.000202 *3*; α(L)=2.31×10^{-5} *4*; α(M)=4.36×10^{-6} *7*; α(N+..)=0.000394 *6* α(N)=7.58×10^{-7} *11*; α(O)=3.68×10^{-8} *6*; α(IPF)=0.000393 *6*
2249.48 *10*	105 *4*	2249.57	(1/2$^+$,3/2)	0.0	1/2$^-$			
2272.85 *15*	220 *12*	2326.04	(5/2$^+$)	53.140	9/2$^+$	[E2]	0.000644 *9*	α=0.000644 *9*; α(K)=0.000184 *3*; α(L)=2.11×10^{-5} *3*; α(M)=3.98×10^{-6} *6*; α(N+..)=0.000435 *6* α(N)=6.91×10^{-7} *10*; α(O)=3.32×10^{-8} *5*; α(IPF)=0.000434 *6*
2274.83[ac] *15*	180[a] *12*	2300.39	3/2$^+$,5/2$^+$	25.470	7/2$^+$			
2274.83[ac] *15*	180[a] *12*	2327.83	3/2$^+$,5/2$^+$,7/2$^+$	53.140	9/2$^+$			
2288.9 *2*	6.4 *7*	2314.81	5/2$^+$	25.470	7/2$^+$	[M1]	0.000640 *9*	α=0.000640 *9*; α(K)=0.000192 *3*; α(L)=2.19×10^{-5} *3*; α(M)=4.15×10^{-6} *6*; α(N+..)=0.000422 *6* α(N)=7.21×10^{-7} *10*; α(O)=3.50×10^{-8} *5*; α(IPF)=0.000421 *6*
2300.57[ac] *9*	110[a] *4*	2300.39	3/2$^+$,5/2$^+$	0.0	1/2$^-$			
2300.57[ac] *9*	110[a] *4*	2326.04	(5/2$^+$)	25.470	7/2$^+$	[M1]	0.000643 *9*	α=0.000643 *9*; α(K)=0.000190 *3*; α(L)=2.17×10^{-5} *3*; α(M)=4.11×10^{-6} *6*; α(N+..)=0.000427 *6* α(N)=7.14×10^{-7} *10*; α(O)=3.46×10^{-8} *5*; α(IPF)=0.000427 *6*
2308.3 *12*	22 *1*	2308.32	3/2$^+$	0.0	1/2$^-$	[E1]	0.000931 *13*	α=0.000931 *13*; α(K)=9.86×10^{-5} *14*; α(L)=1.113×10^{-5} *16*; α(M)=2.10×10^{-6} *3*; α(N+..)=0.000819 *1* α(N)=3.64×10^{-7} *6*; α(O)=1.760×10^{-8} *25*; α(IPF)=0.000818 *12*
2318.5 *14*	10.4 *9*	2371.79	5/2$^+$,7/2$^+$	53.140	9/2$^+$			
2333.26 *5*	422 *14*	2333.34	3/2$^+$	0.0	1/2$^-$	[E1]	0.000945 *14*	α=0.000945 *14*; α(K)=9.70×10^{-5} *14*; α(L)=1.095×10^{-5} *16*; α(M)=2.07×10^{-6} *3*; α(N+..)=0.000835 *1* α(N)=3.59×10^{-7} *5*; α(O)=1.732×10^{-8} *25*; α(IPF)=0.000834 *12*
2345.7[#c] *7*	0.8 *5*	2371.79	5/2$^+$,7/2$^+$	25.470	7/2$^+$			
[x]2364.6 *13*	10.5 *6*							
2375.2 *3*	1.6 *5*	2400.62	(3/2$^+$)	25.470	7/2$^+$	[E2]	0.000678 *10*	α=0.000678 *10*; α(K)=0.0001704 *24*; α(L)=1.95×10^{-5} *3*; α(M)=3.68×10^{-6} *6*; α(N+..)=0.000484 *7* α(N)=6.38×10^{-7} *9*; α(O)=3.07×10^{-8} *5*; α(IPF)=0.000484 *7*

$^{105}_{47}Ag_{58}$-18

^{105}Cd ε decay 1976Ja05 (continued)

γ(^{105}Ag) (continued)

E_γ †	I_γ †@	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	α&	Comments
x2382.66 *12*	10.2 *6*							
2393.69ac *9*	38a *1*	2419.30	5/2+,7/2+,9/2+	25.470	7/2+			
2393.69ac *9*	38a *1*	2447.21	(5/2+,7/2+)	53.140	9/2+			
2400.37 *15*	9.4 *7*	2400.62	(3/2+)	0.0	1/2−	[E1]	0.000982 *14*	α=0.000982 *14*; α(K)=9.30×10−5 *13*; α(L)=1.049×10−5 *15*; α(M)=1.98×10−6 *3*; α(N+..)=0.000877 *1* α(N)=3.44×10−7 *5*; α(O)=1.661×10−8 *24*; α(IPF)=0.000876 *13*
2422.99 *10*	75 *3*	2423.08	3/2+	0.0	1/2−	[E1]	0.000995 *14*	α=0.000995 *14*; α(K)=9.18×10−5 *13*; α(L)=1.035×10−5 *15*; α(M)=1.95×10−6 *3*; α(N+..)=0.000891 *1* α(N)=3.39×10−7 *5*; α(O)=1.638×10−8 *23*; α(IPF)=0.000890 *13*
2429.19 *14*	13 *6*	2429.10	(3/2+)	0.0	1/2−	[E1]	0.000998 *14*	α=0.000998 *14*; α(K)=9.14×10−5 *13*; α(L)=1.031×10−5 *15*; α(M)=1.94×10−6 *3*; α(N+..)=0.000895 *1* α(N)=3.38×10−7 *5*; α(O)=1.632×10−8 *23*; α(IPF)=0.000894 *13*
2447.5c *3*	≤0.1	2472.99	(3/2+,5/2+,7/2+)	25.470	7/2+			
2469.5 *5*	1.3 *3*	2494.8	(3/2+ to 9/2−)	25.470	7/2+			
x2512.1 *5*	0.7 *3*							
2525.45 *18*	16.7 *7*	2550.68	(5/2−)	25.470	7/2+	[E1]	0.001051 *15*	α=0.001051 *15*; α(K)=8.64×10−5 *12*; α(L)=9.73×10−6 *14*; α(M)=1.84×10−6 *3*; α(N+..)=0.000953 *14* α(N)=3.19×10−7 *5*; α(O)=1.541×10−8 *22*; α(IPF)=0.000953 *14*
2530.8 *3*	1.3 *3*	2584.25	(5/2+)	53.140	9/2+	[E2]	0.000731 *11*	α=0.000731 *11*; α(K)=0.0001525 *22*; α(L)=1.739×10−5 *25*; α(M)=3.28×10−6 *5*; α(N+..)=0.000558 α(N)=5.70×10−7 *8*; α(O)=2.75×10−8 *4*; α(IPF)=0.000558 *8*
x2554.3 *4*	1.2 *3*							
2558.8 *2*	3.2 *3*	2584.25	(5/2+)	25.470	7/2+	[M1]	0.000726 *11*	α=0.000726 *11*; α(K)=0.0001551 *22*; α(L)=1.769×10−5 *25*; α(M)=3.34×10−6 *5*; α(N+..)=0.000550 α(N)=5.81×10−7 *9*; α(O)=2.82×10−8 *4*; α(IPF)=0.000549 *8*
x2568.5 *8*	0.5 *3*							
x2573.8 *2*	3.2 *3*							
x2594.5 *5*	0.7 *2*							
x2660.4 *6*	0.4 *2*							

† From 1976Ja05.
‡ From the adopted gammas.
# The presence of this transition is questionable (1976Ja05).
@ For absolute intensity per 100 decays, multiply by 0.00469 *31*.
& 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.
a Multiply placed with undivided intensity.
b Multiply placed with intensity suitably divided.

$^{105}_{47}Ag_{58}$-19

^{105}Cd ε decay 1976Ja05 (continued)

$\gamma(^{105}$Ag) (continued)

[c] Placement of transition in the level scheme is uncertain.
[x] γ ray not placed in level scheme.

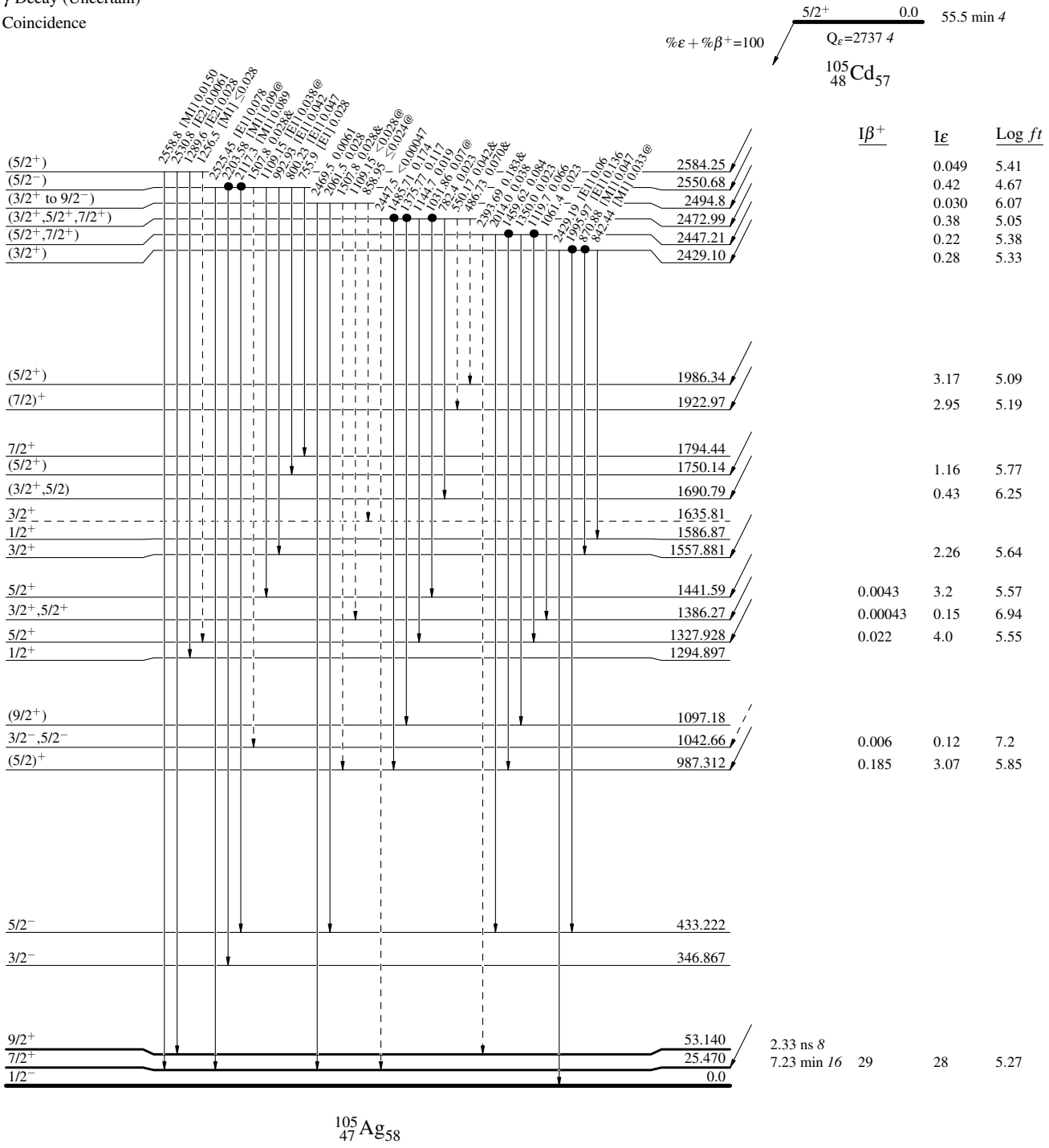
$^{105}_{47}Ag_{58}$-20

^{105}Cd ε decay 1976Ja05

Decay Scheme

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

Legend
- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$
- γ Decay (Uncertain)
- Coincidence

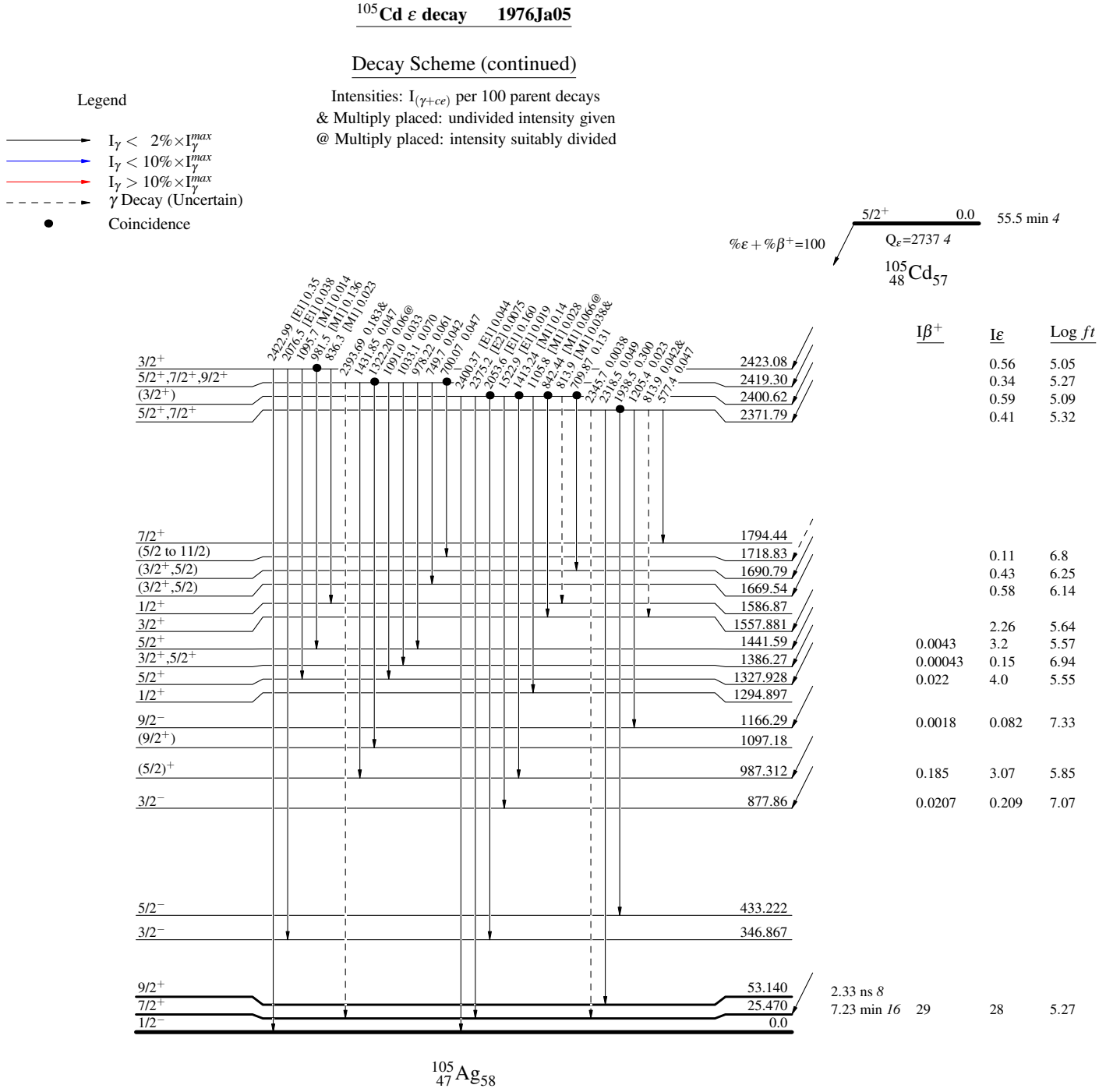


$^{105}_{47}Ag_{58}$

^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

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

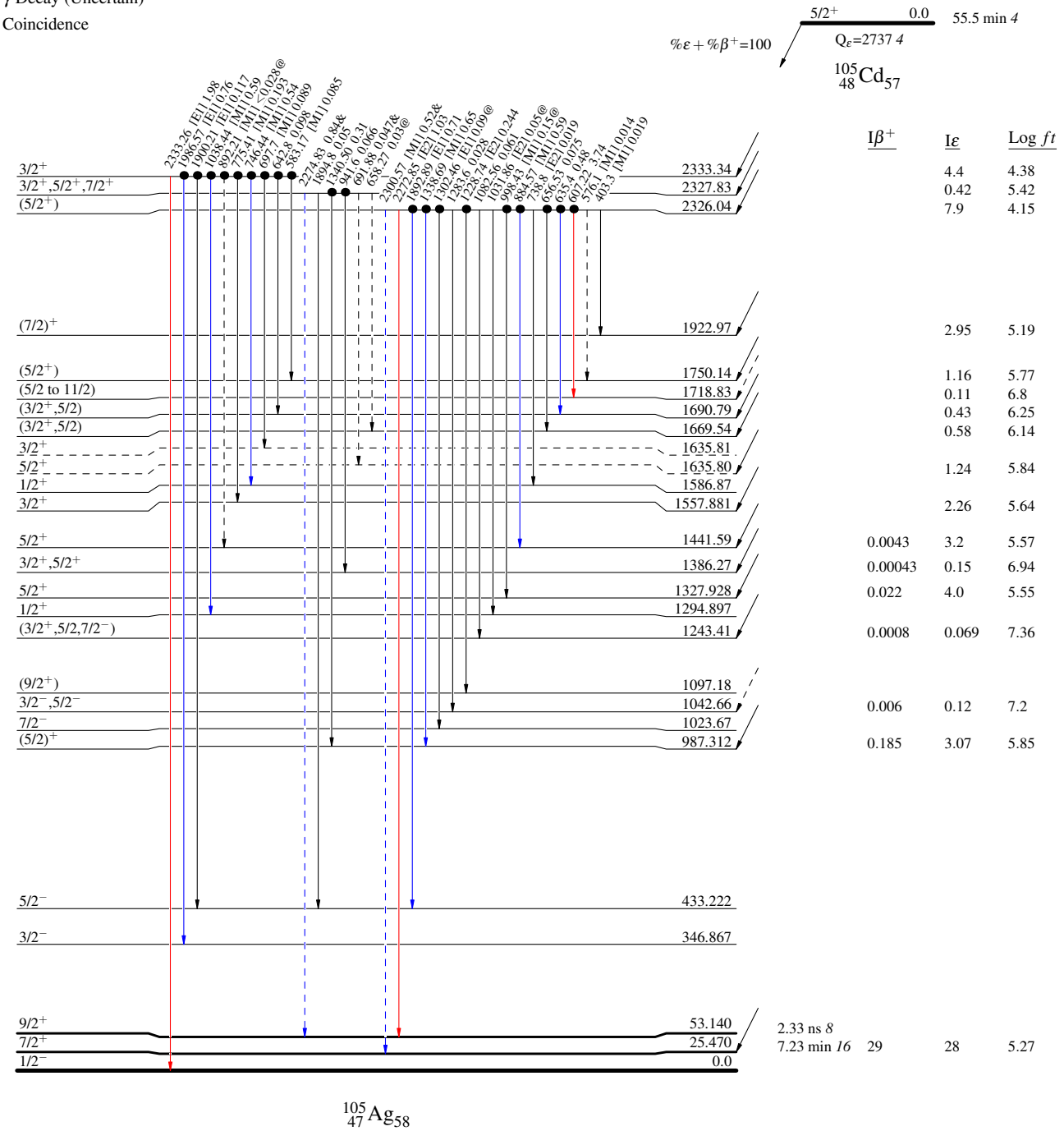


^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

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

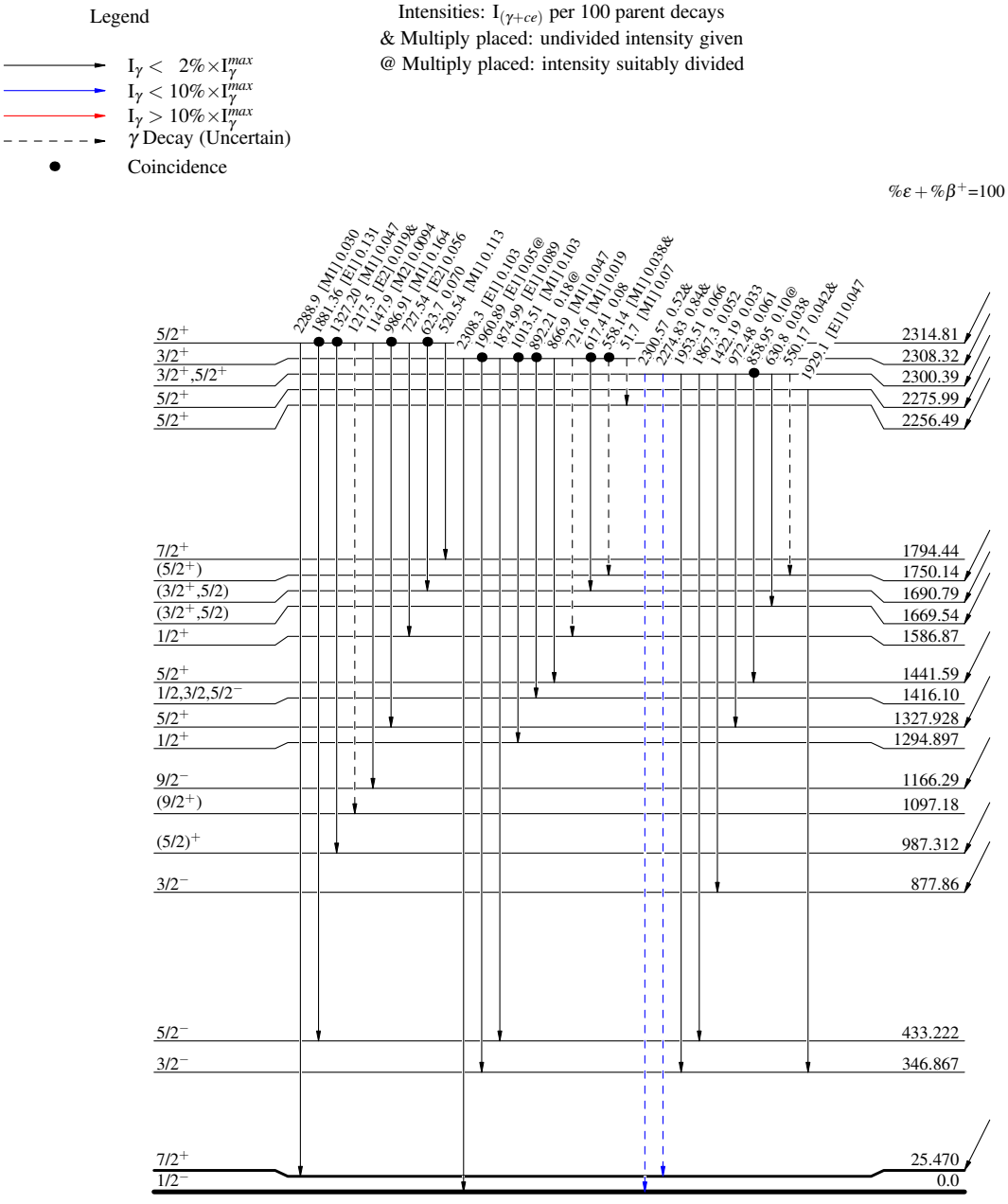
Legend
- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$
- γ Decay (Uncertain)
- Coincidence



^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

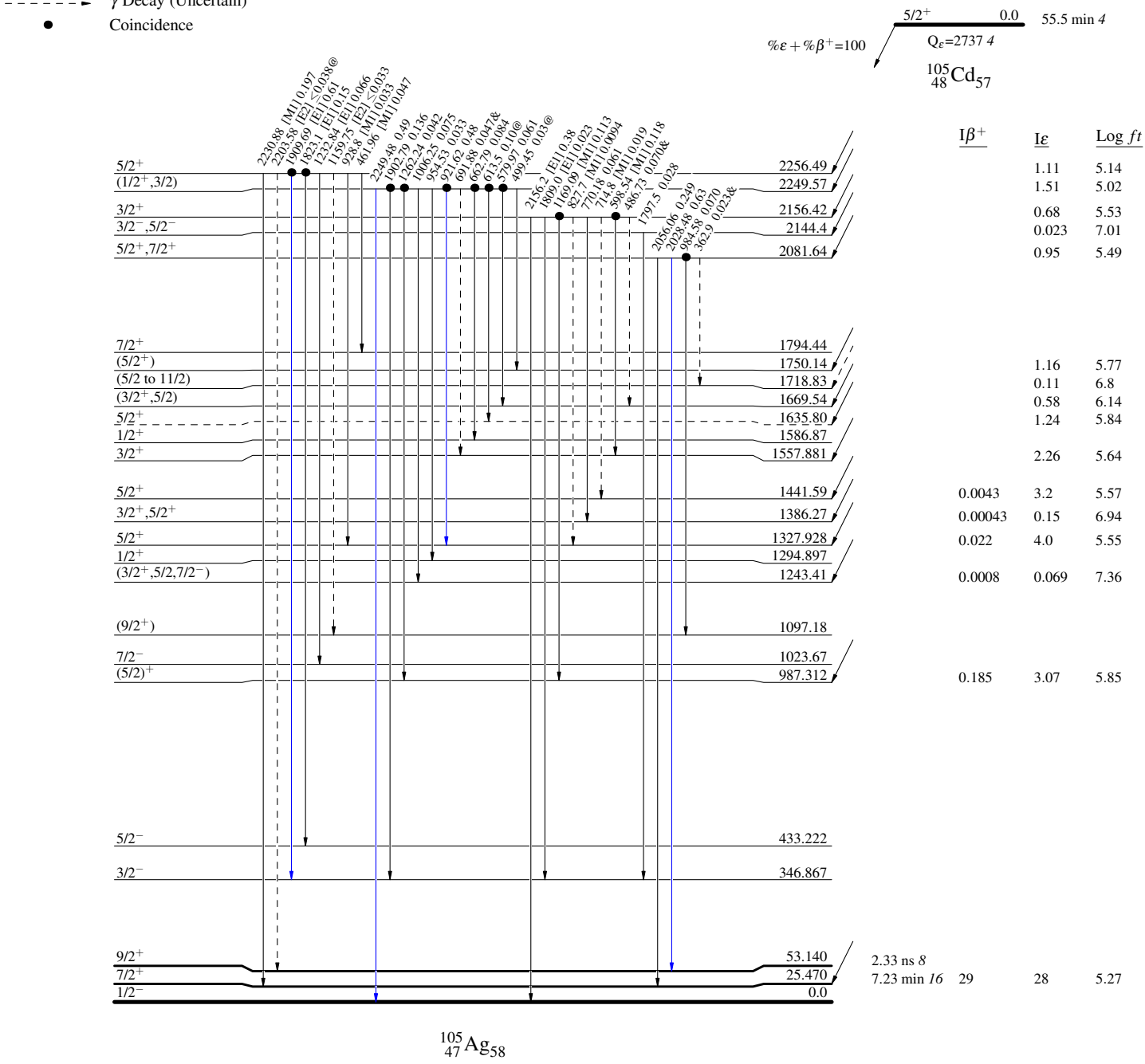
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

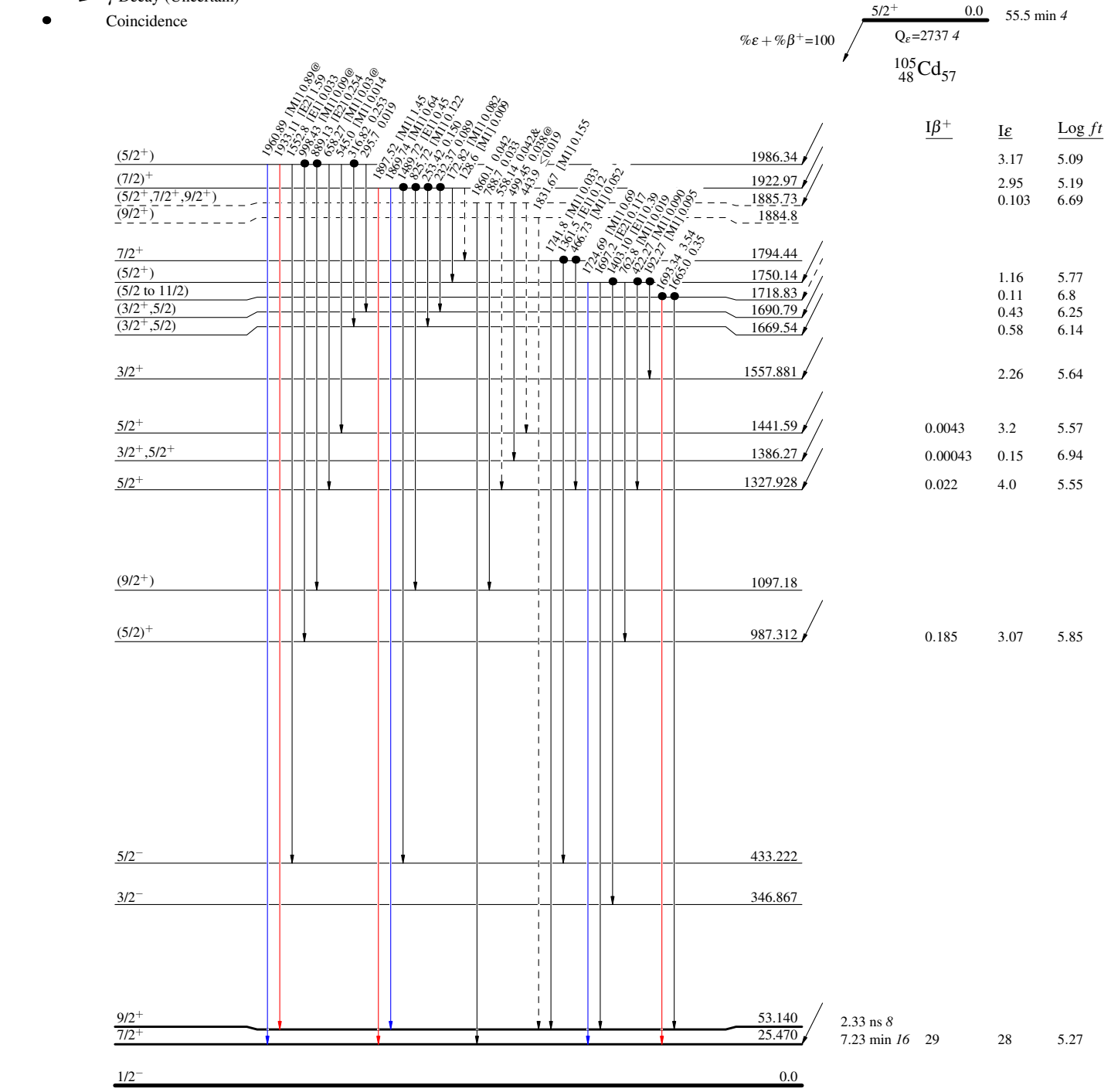
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

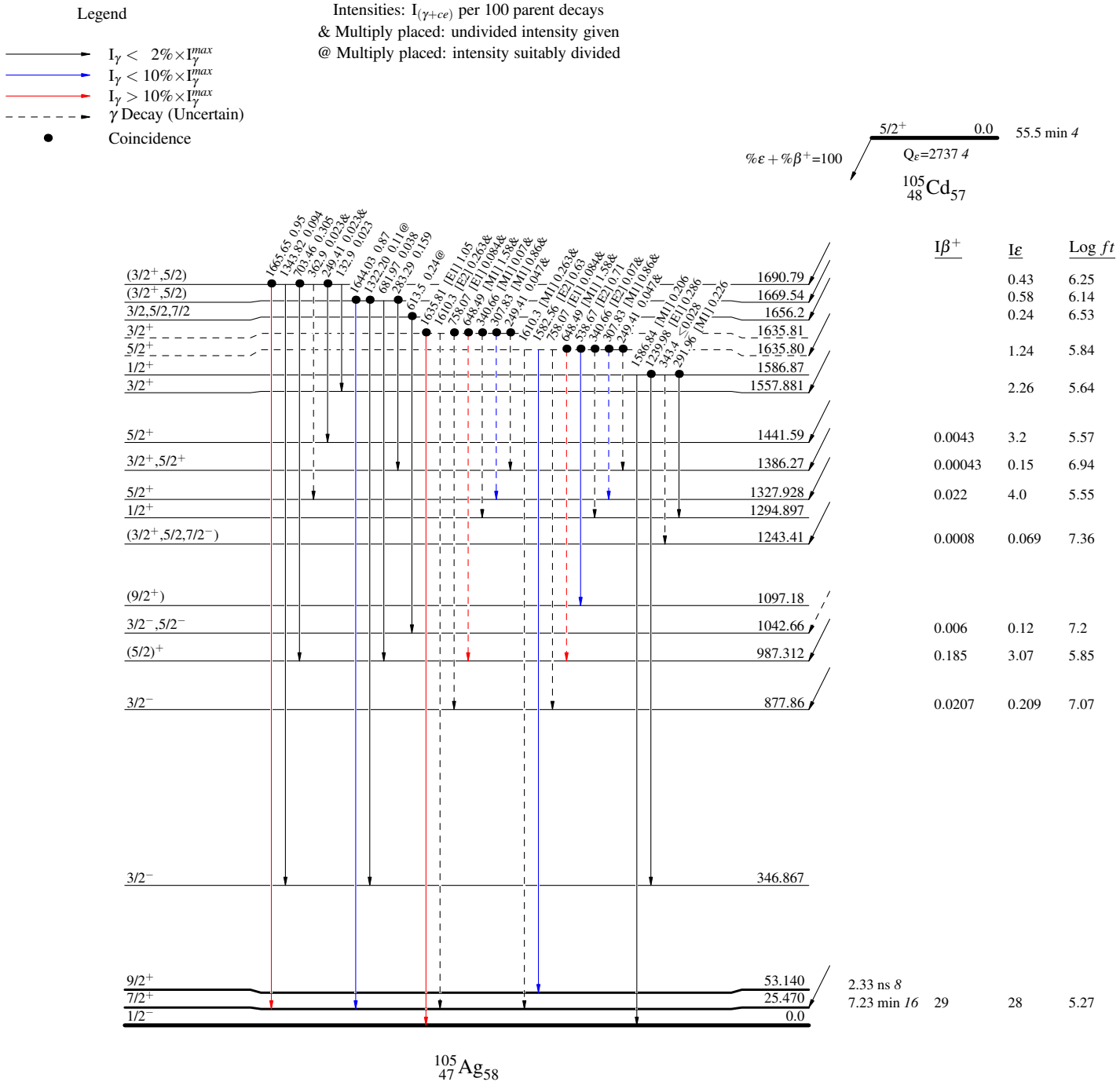
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

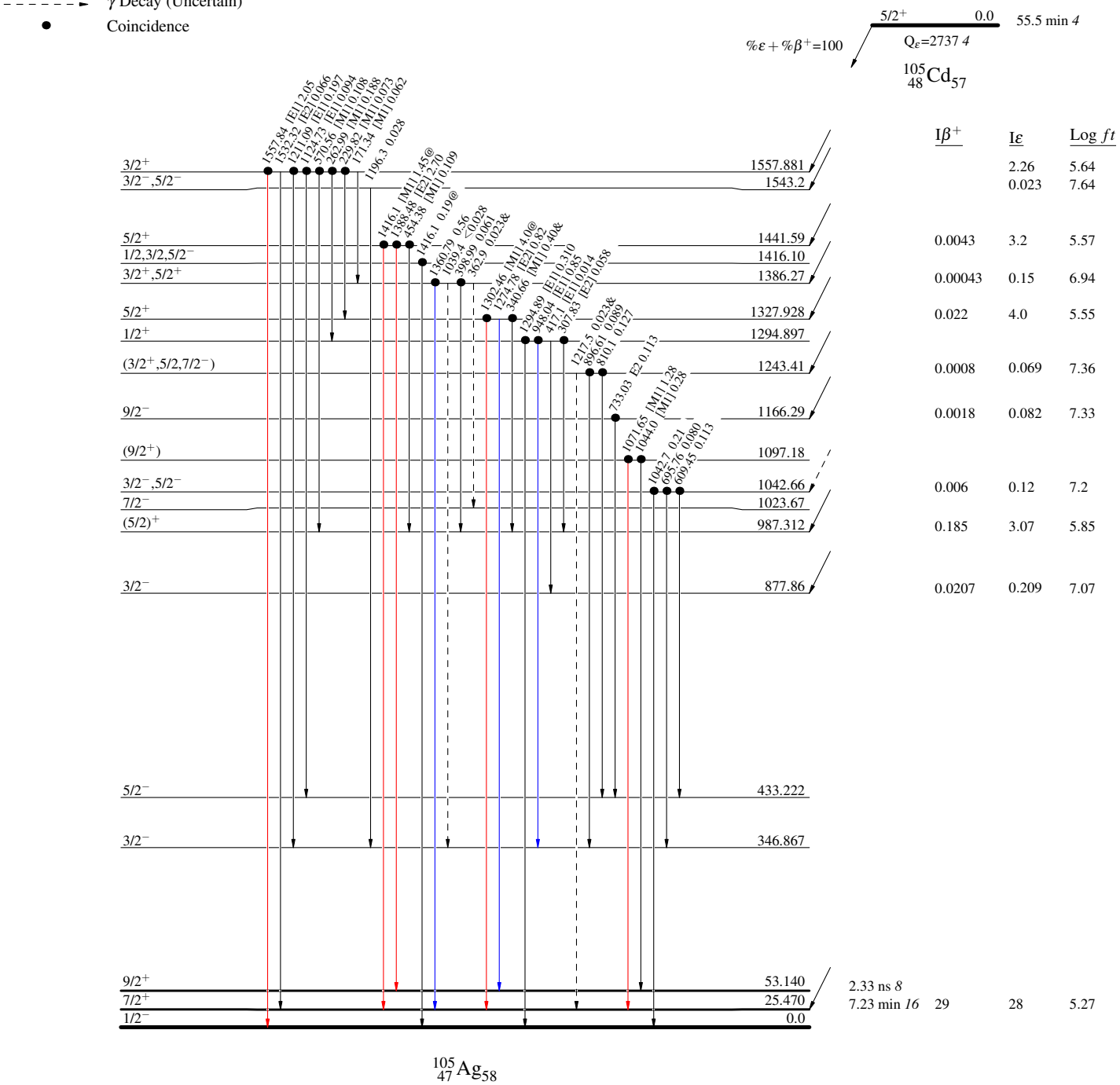
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

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



^{105}Cd ε decay 1976Ja05

Decay Scheme (continued)

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