^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne	NDS 110, 2081 (2009)	1-Mar-2009

Parent: ^{103}Ag: E=0.0; $J^\pi=7/2^+$; $T_{1/2}$=65.7 min *7*; Q(ε)=2688 *17*; %ε+%β^+ decay=100.0

1975Di09: activity from ^{102}Pd(d,n) E(d)=7.3,8.0 MeV and Pd(p,xn) E(p)=45 MeV. Measured: $T_{1/2}$, Eγ, Iγ, $\gamma\gamma$-coin. Deduced: ^{103}Pd levels, J^π, log *ft* natural and enriched targets.

1980Lh01: activity from Mo(n,ypxn), mass separation. Measured: Eγ, Iγ. Deduced: β branchings, log *ft*.

1988Bo28: activity from Mo(HI,ypxn), mass separation. Measured: Q(ε).

^{103}Pd Levels

E(level)‡	J^π†	$T_{1/2}$	Comments
0.0	$5/2^+$	16.991 d *19*	$T_{1/2}$: from γ(t) (1981Va11). Others: 16.96 d *2* (1975Cz05), 18.4 d *5* (1969Gr13), 16.9 d *1* (1968Pa24), 17.0 d *4* (1953Me24), 17.5 d *5* (1954Ri09).
118.69 *4*	$3/2^+$	0.70 ns *3*	$T_{1/2}$: (148γ)(119γ)(t): 0.70 ns *3* (1969Ha03); 0.63 ns *6* (1972Bf01), 1.9 ns *4* (1969Ba02).
243.93 *4*	$7/2^+$		
266.87 *4*	$5/2^+$		
499.06 *18*	$(1/2^+)$		
504.16 *11*	$(3/2)^+$		
531.93 *4*	$7/2^+$		
625.86 *20*	$3/2^+,5/2^+$		
698.78 *5*	$5/2^+$		
718.03 *6*	$9/2^+$		
727.26 *18*	$1/2^+$		
884.45 *8*	$3/2^+,5/2^+$		
900.04 *7*	$9/2^+$		
1069.03 *15*	$(3/2^+,5/2^+)$		
1155.61 *21*	$(3/2,5/2)^+$		
1182.85 *6*	$(5/2)^+$		
1273.97 *5*	$(5/2)^+$		
1386.15 *10*	(5/2)		
1547.14 *14*	$(5/2^+,7/2^+)$		
1581.14 *21*	$5/2^+$		
1592.38 *8*	$(5/2^+,7/2^+,9/2^+)$		
1604.69 *13*	5/2		
1689.92 *24*	(3/2,5/2,7/2)		
1775.77 *19*	$(5/2^+)$		
1781.2 *7*			
1953.5 *3*	(5/2)		
1964.5 *4*	(7/2)		
2233.71 *24*	$(5/2^+)$		
2275.54 *21*	$7/2^+,9/2^+$		
2343.07 *24*	$5/2^+,7/2^+,9/2^+$		
2408.31 *20*	$5/2^+,7/2^+,9/2^+$		
2417.5 *4*	$5/2^+,7/2^+,9/2^+$		
2446.5 *4*	$5/2^+,7/2^+,9/2^+$		
2464.6 *10*	$5/2^+,7/2^+,9/2^+$		
2486.5 *8*	$7/2^+,9/2^+$		
2511.5 *8*	$5/2^+,7/2^+,9/2^+$		

† From Adopted Levels.

‡ From least-squares fit to measured Eγ's.

^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01 (continued)

ε,β$^+$ radiations

The evaluator have recalculated the %(ε+β$^+$) branches using the multipolarities and BRICC conversion coefficients of the adopted gammas and the g.s. (ε+β$^+$) branch=15.8 *51* from 1980Lh01.

E(decay)	E(level)	Iβ$^+$ †#	Iε‡#	Log *ft*	I(ε+β$^+$)#	Comments
(177 *17*)	2511.5		0.026 *9*	5.5 *5*	0.026 *9*	εK= 0.830 *24*; εL= 0.136 *18*; εM+= 0.034 *6*
(202 *17*)	2486.5		0.026 *9*	5.9 *4*	0.026 *9*	εK= 0.836 *15*; εL= 0.131 *12*; εM+= 0.033 *4*
(223 *17*)	2464.6		0.034 *17*	5.9 *4*	0.034 *17*	εK= 0.840 *11*; εL= 0.128 *9*; εM+= 0.0320 *25*
(242 *17*)	2446.5		0.098 *21*	5.5 *3*	0.098 *21*	εK= 0.842 *9*; εL= 0.126 *7*; εM+= 0.0314 *20*
(271 *17*)	2417.5		0.073 *12*	5.76 *23*	0.073 *12*	εK= 0.845 *7*; εL= 0.124 *5*; εM+= 0.0307 *14*
(280 *17*)	2408.31		0.24 *3*	5.28 *21*	0.24 *3*	εK= 0.846 *6*; εL= 0.123 *5*; εM+= 0.0305 *13*
(345 *17*)	2343.07		0.25 *3*	5.47 *17*	0.25 *3*	εK= 0.851 *4*; εL= 0.120 *3*; εM+= 0.0294 *8*
(412 *17*)	2275.54		0.18 *3*	5.79 *15*	0.18 *3*	εK= 0.8540 *22*; εL= 0.1172 *17*; εM+= 0.0288 *5*
(454 *17*)	2233.71		0.14 *2*	5.99 *13*	0.14 *2*	εK= 0.8554 *17*; εL= 0.1162 *14*; εM+= 0.0285 *4*
(724 *17*)	1964.5		0.047 *8*	6.9 *1*	0.047 *8*	εK= 0.8602; εL= 0.1124 *5*; εM+= 0.02741 *13*
(735 *17*)	1953.5		0.078 *10*	6.69 *9*	0.078 *10*	εK= 0.8603; εL= 0.1123 *5*; εM+= 0.02739 *13*
(907 *17*)	1781.2		0.09 *3*	6.82 *16*	0.09 *3*	εK= 0.8617; εL= 0.1112 *3*; εM+= 0.02707 *8*
(912 *17*)	1775.77		0.55 *18*	6.04 *16*	0.55 *18*	εK= 0.8618; εL= 0.1112 *3*; εM+= 0.02707 *8*
(998 *17*)	1689.92		0.24 *4*	6.48 *9*	0.24 *4*	εK= 0.8623; εL= 0.11078 *23*; εM+= 0.02695 *7*
(1083 *17*)	1604.69		0.54 *5*	6.20 *6*	0.54 *5*	εK= 0.8627; εL= 0.11045 *19*; εM+= 0.02686 *6*
(1096 *17*)	1592.38		0.76 *6*	6.07 *6*	0.76 *6*	εK= 0.8627; εL= 0.11041 *19*; εM+= 0.02685 *6*
(1107 *17*)	1581.14		0.079 *10*	7.06 *7*	0.079 *10*	εK= 0.8628; εL= 0.11037 *18*; εM+= 0.02684 *5*
(1141 *17*)	1547.14		0.69 *8*	6.14 *7*	0.69 *8*	εK= 0.8629; εL= 0.11026 *17*; εM+= 0.02680 *5*
(1302 *17*)	1386.15	0.0012 *18*	0.96 *9*	6.12 *6*	0.96 *9*	av Eβ= 124 *22*; εK= 0.8624 *11*; εL= 0.1097 *3*; εM+= 0.02664 *7*
(1414 *17*)	1273.97	0.11 *9*	20.5 *14*	4.86 *5*	20.6 *14*	av Eβ= 173 *22*; εK= 0.859 *3*; εL= 0.1090 *5*; εM+= 0.02646 *12*
(1505 *17*)	1182.85	0.044 *25*	3.49 *4*	5.69 *4*	3.53 *3*	av Eβ= 212 *22*; εK= 0.853 *5*; εL= 0.1080 *8*; εM+= 0.02622 *18*
(1532 *17*)	1155.61	0.0028 *15*	0.18 *3*	7.00 *8*	0.18 *3*	av Eβ= 224 *22*; εK= 0.851 *6*; εL= 0.1076 *9*; εM+= 0.02613 *21*
(1619 *17*)	1069.03	0.0042 *18*	0.146 *20*	7.13 *7*	0.15 *2*	av Eβ= 261 *22*; εK= 0.840 *9*; εL= 0.1061 *12*; εM+= 0.0258 *3*
(1788 *17*)	900.04	0.030 *9*	0.41 *6*	6.77 *7*	0.44 *6*	av Eβ= 334 *22*; εK= 0.805 *14*; εL= 0.1015 *18*; εM+= 0.0246 *5*
(1804 *17*)	884.45	0.011 *6*	0.14 *7*	7.25 *21*	0.15 *7*	av Eβ= 341 *22*; εK= 0.801 *15*; εL= 0.1010 *19*; εM+= 0.0245 *5*
(1961 *17*)	727.26	0.004 *3*	0.030 *18*	8.0 *3*	0.034 *20*	av Eβ= 410 *22*; εK= 0.751 *19*; εL= 0.0944 *25*; εM+= 0.0229 *6*
(1970 *17*)	718.03	0.016 *8*	0.10 *5*	7.45 *19*	0.12 *5*	av Eβ= 414 *22*; εK= 0.747 *20*; εL= 0.0940 *25*; εM+= 0.0228 *6*
(1989 *17*)	698.78	0.053 *15*	0.32 *7*	6.98 *10*	0.37 *8*	av Eβ= 422 *22*; εK= 0.740 *20*; εL= 0.093 *3*; εM+= 0.0226 *7*
(2062 *17*)	625.86	0.045 *12*	0.21 *5*	7.2 *1*	0.25 *5*	av Eβ= 454 *22*; εK= 0.711 *22*; εL= 0.089 *3*; εM+= 0.0217 *7*
(2156 *17*)	531.93	1.6 *3*	5.6 *6*	5.80 *6*	7.2 *7*	av Eβ= 496 *23*; εK= 0.670 *23*; εL= 0.084 *3*; εM+= 0.0204 *7*
(2184 *17*)	504.16	≤0.043	≤0.137	≥7.4	≤0.18	av Eβ= 508 *23*; εK= 0.657 *24*; εL= 0.082 *3*; εM+= 0.0200 *8*
(2189 *17*)	499.06	≤0.0022	≤0.0068	≥8.7	≤0.009	av Eβ= 510 *23*; εK= 0.655 *24*; εL= 0.082 *3*; εM+= 0.0199 *8*
(2421 *17*)	266.87	14.8 *17*	25.2 *23*	5.25 *5*	40 *3*	av Eβ= 614 *23*; εK= 0.545 *24*; εL= 0.068 *3*; εM+= 0.0166 *8* E(β$^+$)=1290 *100*; 1290β(265γ,150γ,120γ)-coin observed (1962Pa05) other: 1030 *50* (1969Ba02).
(2444 *17*)	243.93	2.10 *23*	3.4 *3*	6.13 *5*	5.5 *4*	av Eβ= 624 *23*; εK= 0.534 *24*; εL= 0.067 *3*; εM+= 0.0162 *8*

Continued on next page (footnotes at end of table)

^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ †#	Iε‡#	Log *ft*	I(ε+β+)#	Comments
(2569 *17*)	118.69	≤0.193	≤0.237	≥7.3	≤0.43	av Eβ= 680 *23*; εK= 0.477 *23*; εL= 0.060 *3*; εM+= 0.0145 *7*
(2688 *17*)	0.0	8 *3*	7.9 *25*	5.85 *14*	16 *5*	av Eβ= 734 *23*; εK= 0.425 *22*; εL= 0.053 *3*; εM+= 0.0129 *7* E(β+)=1680 *50* (1966Ja12), 1570 *100* (1962Pa05), 1601 *27* (1988Bo28) other: 1300 *50* (1969Ba02).

† Deduced: %β+=42 *18*, %ε=58 (1962Pa05) from Iγ(γ±)/Iγ(120γ)=3.8 *16*.
‡ εK/ε exp=0.7 *2* (1957Ku57).
# Absolute intensity per 100 decays.

^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01 (continued)

γ(^{103}Pd)

Iγ normalization: from ΣI(γ+ce)=100- %(ε+β$^+$) branch to g.s.=15.8 *51* (1980Lh01).

E_γ[‡]	I_γ[@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	δ[†]	α[&]	Comments
118.74[#] *5*	367 *8*	118.69	3/2$^+$	0.0	5/2$^+$	M1+E2	+0.09 *2*	0.239 *4*	
(125.4[#] *4*)	1.5 *CA*	243.93	7/2$^+$	118.69	3/2$^+$				I_γ: from Iγ(125γ)/Iγ(244γ)≈0.015 (1975Di09) via (p,nγ).
148.20[#] *4*	333 *6*	266.87	5/2$^+$	118.69	3/2$^+$				
167.2[#] *4*	0.6 *1*	698.78	5/2$^+$	531.93	7/2$^+$				
186.15[#] *10*	0.7 *1*	718.03	9/2$^+$	531.93	7/2$^+$	M1+E2	−0.12 *6*	0.0688 *10*	
237.4[#] *2*	1.5 *2*	504.16	(3/2)$^+$	266.87	5/2$^+$	M1		0.0362 *6*	
243.96[#] *5*	100	243.93	7/2$^+$	0.0	5/2$^+$	M1+E2	−0.085 *15*	0.0339 *4*	
265.0[#] *4*	10 *5*	531.93	7/2$^+$	266.87	5/2$^+$	M1		0.0272 *4*	
266.86[#] *5*	157 *5*	266.87	5/2$^+$	0.0	5/2$^+$	M1+E2	−0.14 *8*	0.0270 *6*	
288.05[#] *5*	8.2 *4*	531.93	7/2$^+$	243.93	7/2$^+$	M1+E2	−0.17 *10*	0.0223 *6*	
298.43 *6*	1.80 *10*	1182.85	(5/2)$^+$	884.45	3/2$^+$,5/2$^+$				
[x]351.1 *8*	0.6 *3*								
358.3[#] *8*	0.9 *3*	625.86	3/2$^+$,5/2$^+$	266.87	5/2$^+$				Branching: Iγ(358γ)/Iγ(625γ)=0.45 *16* (^{103}Ag decay) is in disagreement with adopted value of 0.05 for the same ratio in (p,nγ).
368.0[#] *3*	0.8 *2*	900.04	9/2$^+$	531.93	7/2$^+$	(M1)			
380.3[#]	≈1.8	499.06	(1/2$^+$)	118.69	3/2$^+$	(M1)		0.01095	I_γ: calculated from γγ-coin spectra.
380.3	0.9 *4*	884.45	3/2$^+$,5/2$^+$	504.16	(3/2)$^+$				
385.4[#] *2*	6.3 *5*	504.16	(3/2)$^+$	118.69	3/2$^+$				
389.2 *3*	1.2 *3*	1273.97	(5/2)$^+$	884.45	3/2$^+$,5/2$^+$				
432.0[#] *2*	2.0 *2*	698.78	5/2$^+$	266.87	5/2$^+$				
451.1[#] *1*	0.28 *CA*	718.03	9/2$^+$	266.87	5/2$^+$	E2			I_γ: from Iγ(451γ)/Iγ(718γ)=0.07 (1975Di09) via (p,nγ).
455.4 *6*	≈0.8	698.78	5/2$^+$	243.93	7/2$^+$				
456.0 *8*	≈0.5	1182.85	(5/2)$^+$	727.26	1/2$^+$				
474.2[#] *4*	0.5 *2*	718.03	9/2$^+$	243.93	7/2$^+$	M1+E2			δ: −1.4 or −0.50 *20* (1974Gr07).
484.1 *2*	2.3 *3*	1182.85	(5/2)$^+$	698.78	5/2$^+$				
(499.2[#] *5*)	0.2 *CA*	499.06	(1/2$^+$)	0.0	5/2$^+$				I_γ: from Iγ(380γ)/Iγ(499γ)≈9 (1975Di09) via (p,nγ).
504.3[#] *3*	3 *1*	504.16	(3/2)$^+$	0.0	5/2$^+$				
531.92[#] *6*	103 *2*	531.93	7/2$^+$	0.0	5/2$^+$	M1+E2	−0.7 *2*		
546.7 *4*	0.5 *1*	1273.97	(5/2)$^+$	727.26	1/2$^+$				
575.33 *10*	8.9 *4*	1273.97	(5/2)$^+$	698.78	5/2$^+$				
580.16[#] *8*	11.1 *5*	698.78	5/2$^+$	118.69	3/2$^+$				

$^{103}_{46}Pd_{57}$-4

^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01 (continued)

γ(^{103}Pd) (continued)

E_γ[‡]	I_γ[@]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	Comments
608.6[#] *2*	1.4 *2*	727.26	1/2$^+$	118.69	3/2$^+$	M1,E2	
625.9[#] *2*	2.0 *3*	625.86	3/2$^+$,5/2$^+$	0.0	5/2$^+$		
633.2[#] *2*	0.5 *2*	900.04	9/2$^+$	266.87	5/2$^+$	E2	
651.0 *6*	1.3 *3*	1182.85	(5/2)$^+$	531.93	7/2$^+$		
656.3[#] *3*	1.2 *3*	900.04	9/2$^+$	243.93	7/2$^+$	M1+E2	δ: −0.26 *6* or −3.7 *4*.
678.8 *4*	0.6 *1*	1182.85	(5/2)$^+$	504.16	(3/2)$^+$		
683.8 *2*	1.0 *3*	1182.85	(5/2)$^+$	499.06	(1/2$^+$)		
698.77[#] *8*	2.7 *2*	698.78	5/2$^+$	0.0	5/2$^+$		
717.97[#] *10*	4.0 *3*	718.03	9/2$^+$	0.0	5/2$^+$	E2	
742.11 *8*	29.9 *8*	1273.97	(5/2)$^+$	531.93	7/2$^+$		
766.1[#] *3*	1.25 *15*	884.45	3/2$^+$,5/2$^+$	118.69	3/2$^+$	(M1,E2)	
775.0 *6*	0.9 *3*	1273.97	(5/2)$^+$	499.06	(1/2$^+$)		
802.1[#] *2*	1.4 *2*	1069.03	(3/2$^+$,5/2$^+$)	266.87	5/2$^+$	(M1,E2)	I_γ: from Iγ(802γ)/Iγ(950γ)≈4 in (p,nγ).
828.9[#] *6*	0.8 *2*	1547.14	(5/2$^+$,7/2$^+$)	718.03	9/2$^+$		
874.29 *10*	3.3 *3*	1592.38	(5/2$^+$,7/2$^+$,9/2$^+$)	718.03	9/2$^+$		
884.6[#] *3*	2.6 *4*	884.45	3/2$^+$,5/2$^+$	0.0	5/2$^+$	(M1+E2)	δ: −0.56 *17* or ∞.
888.7[#] *3*	1.0 *2*	1155.61	(3/2,5/2)$^+$	266.87	5/2$^+$	M1,E2	
900.02[#] *8*	2.6 *3*	900.04	9/2$^+$	0.0	5/2$^+$	E2	
911.7[#] *3*	0.8 *2*	1155.61	(3/2,5/2)$^+$	243.93	7/2$^+$		
938.90[#] *10*	7.4 *4*	1182.85	(5/2)$^+$	243.93	7/2$^+$		
1007.08 *8*	38.1 *12*	1273.97	(5/2)$^+$	266.87	5/2$^+$		
1029.97 *8*	15.3 *5*	1273.97	(5/2)$^+$	243.93	7/2$^+$		
1043.1[#] *3*	1.5 *3*	1547.14	(5/2$^+$,7/2$^+$)	504.16	(3/2)$^+$		
1064.08[#] *10*	8.4 *3*	1182.85	(5/2)$^+$	118.69	3/2$^+$		
1072.7 *3*	2.4 *2*	1604.69	5/2	531.93	7/2$^+$		
1077.6 *8*	0.5 *2*	1775.77	(5/2$^+$)	698.78	5/2$^+$		
1119.6 *3*	1.3 *2*	1386.15	(5/2)	266.87	5/2$^+$		
1142.2 *2*	1.80 *15*	1386.15	(5/2)	243.93	7/2$^+$		
1155.27[#] *10*	35.9 *8*	1273.97	(5/2)$^+$	118.69	3/2$^+$		
1155.6 *6*	0.3 *CA*	1155.61	(3/2,5/2)$^+$	0.0	5/2$^+$	(M1,E2)	I_γ: from Iγ(889γ)/Iγ(1156γ)=3.5 via (p,nγ) (1975Di09).
1158.2 *8*	0.45 *15*	1689.92	(3/2,5/2,7/2)	531.93	7/2$^+$		
1182.77[#] *15*	17.9 *4*	1182.85	(5/2)$^+$	0.0	5/2$^+$	(M1,E2)	
1185.0 *8*	0.6 *3*	1689.92	(3/2,5/2,7/2)	504.16	(3/2)$^+$		
1267.9 *6*	2.0 *5*	1386.15	(5/2)	118.69	3/2$^+$		
1272.0 *10*	4 *2*	1775.77	(5/2$^+$)	504.16	(3/2)$^+$		
1273.83[#] *12*	110 *4*	1273.97	(5/2)$^+$	0.0	5/2$^+$		
1280.7 *6*	2.4 *6*	1547.14	(5/2$^+$,7/2$^+$)	266.87	5/2$^+$		
[x]1292.6 *3*	0.95 *8*						
1303.0 *3*	0.79 *7*	1547.14	(5/2$^+$,7/2$^+$)	243.93	7/2$^+$		

$^{103}_{46}Pd_{57}$-5

^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01 (continued)

γ(^{103}Pd) (continued)

E_γ ‡	I_γ @	E_i(level)	J_i^π	E_f	J_f^π	E_γ ‡	I_γ @	E_i(level)	J_i^π	E_f	J_f^π
1325.52 *10*	4.8 *2*	1592.38	(5/2$^+$,7/2$^+$,9/2$^+$)	266.87	5/2$^+$	1839.0 *3*	1.23 *12*	2343.07	5/2$^+$,7/2$^+$,9/2$^+$	504.16	(3/2)$^+$
1337.2 *2*	0.92 *10*	1581.14	5/2$^+$	243.93	7/2$^+$	1845.8 *4*	0.55 *8*	1964.5	(7/2)	118.69	3/2$^+$
1386.07# *12*	6.1 *3*	1386.15	(5/2)	0.0	5/2$^+$	1953.5 *3*	0.91 *10*	1953.5	(5/2)	0.0	5/2$^+$
x1416.7 *6*	0.4 *1*					2099.0 *6*	0.5 *1*	2343.07	5/2$^+$,7/2$^+$,9/2$^+$	243.93	7/2$^+$
1423.2 *4*	0.76 *10*	1689.92	(3/2,5/2,7/2)	266.87	5/2$^+$	2141.6 *4*	1.15 *10*	2408.31	5/2$^+$,7/2$^+$,9/2$^+$	266.87	5/2$^+$
1428.6 *4*	0.6 *1*	1547.14	(5/2$^+$,7/2$^+$)	118.69	3/2$^+$	2157.0 *3*	0.59 *8*	2275.54	7/2$^+$,9/2$^+$	118.69	3/2$^+$
1445.9 *4*	0.5 *1*	1689.92	(3/2,5/2,7/2)	243.93	7/2$^+$	2164.6 *6*	0.5 *1*	2408.31	5/2$^+$,7/2$^+$,9/2$^+$	243.93	7/2$^+$
1486.0 *2*	2.5 *2*	1604.69	5/2	118.69	3/2$^+$	x2175.2 *6*	0.4 *1*				
1514.4 *8*	0.35 *6*	1781.2		266.87	5/2$^+$	2179.6 *7*	0.3 *1*	2446.5	5/2$^+$,7/2$^+$,9/2$^+$	266.87	5/2$^+$
1537.0 *10*	0.7 *3*	1781.2		243.93	7/2$^+$	2233.5 *3*	0.65 *10*	2233.71	(5/2$^+$)	0.0	5/2$^+$
1547.1 *2*	2.02 *15*	1547.14	(5/2$^+$,7/2$^+$)	0.0	5/2$^+$	2242.5 *8*	0.3 *1*	2486.5	7/2$^+$,9/2$^+$	243.93	7/2$^+$
1592.6 *3*	0.82 *8*	1592.38	(5/2$^+$,7/2$^+$,9/2$^+$)	0.0	5/2$^+$	2267.5 *8*	0.3 *1*	2511.5	5/2$^+$,7/2$^+$,9/2$^+$	243.93	7/2$^+$
1604.7 *2*	1.40 *15*	1604.69	5/2	0.0	5/2$^+$	2275.3 *3*	0.99 *12*	2275.54	7/2$^+$,9/2$^+$	0.0	5/2$^+$
1690.0 *6*	0.51 *5*	1689.92	(3/2,5/2,7/2)	0.0	5/2$^+$	2298.7 *4*	0.70 *10*	2417.5	5/2$^+$,7/2$^+$,9/2$^+$	118.69	3/2$^+$
1702.1 *4*	0.94 *8*	2233.71	(5/2$^+$)	531.93	7/2$^+$	2342.3 *10*	0.5 *2*	2343.07	5/2$^+$,7/2$^+$,9/2$^+$	0.0	5/2$^+$
1709.7 *4*	0.75 *8*	2408.31	5/2$^+$,7/2$^+$,9/2$^+$	698.78	5/2$^+$	2345.9 *10*	0.4 *2*	2464.6	5/2$^+$,7/2$^+$,9/2$^+$	118.69	3/2$^+$
1743.9 *8*	0.5 *2*	2275.54	7/2$^+$,9/2$^+$	531.93	7/2$^+$	2408.0 *3*	0.45 *6*	2408.31	5/2$^+$,7/2$^+$,9/2$^+$	0.0	5/2$^+$
1747.6 *8*	0.5 *2*	2446.5	5/2$^+$,7/2$^+$,9/2$^+$	698.78	5/2$^+$	2417.8 *6*	0.15 *5*	2417.5	5/2$^+$,7/2$^+$,9/2$^+$	0.0	5/2$^+$
1775.7 *2*	1.97 *15*	1775.77	(5/2$^+$)	0.0	5/2$^+$	2446.5 *5*	0.35 *6*	2446.5	5/2$^+$,7/2$^+$,9/2$^+$	0.0	5/2$^+$
1811.1 *5*	0.63 *8*	2343.07	5/2$^+$,7/2$^+$,9/2$^+$	531.93	7/2$^+$						

† Taken from Adopted Levels, gammas to calculate I(γ+ce) and log *ft* values.

‡ From 1975Di09, unless noted otherwise. No γ data given by 1980Lh01.

Weighted av of ^{103}Ag ε decay and (p,nγ) data are given by 1975Di09. Accurate γ data in ^{103}Ag ε decay alone are not available.

@ For absolute intensity per 100 decays, multiply by 0.085 *5*.

& 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.

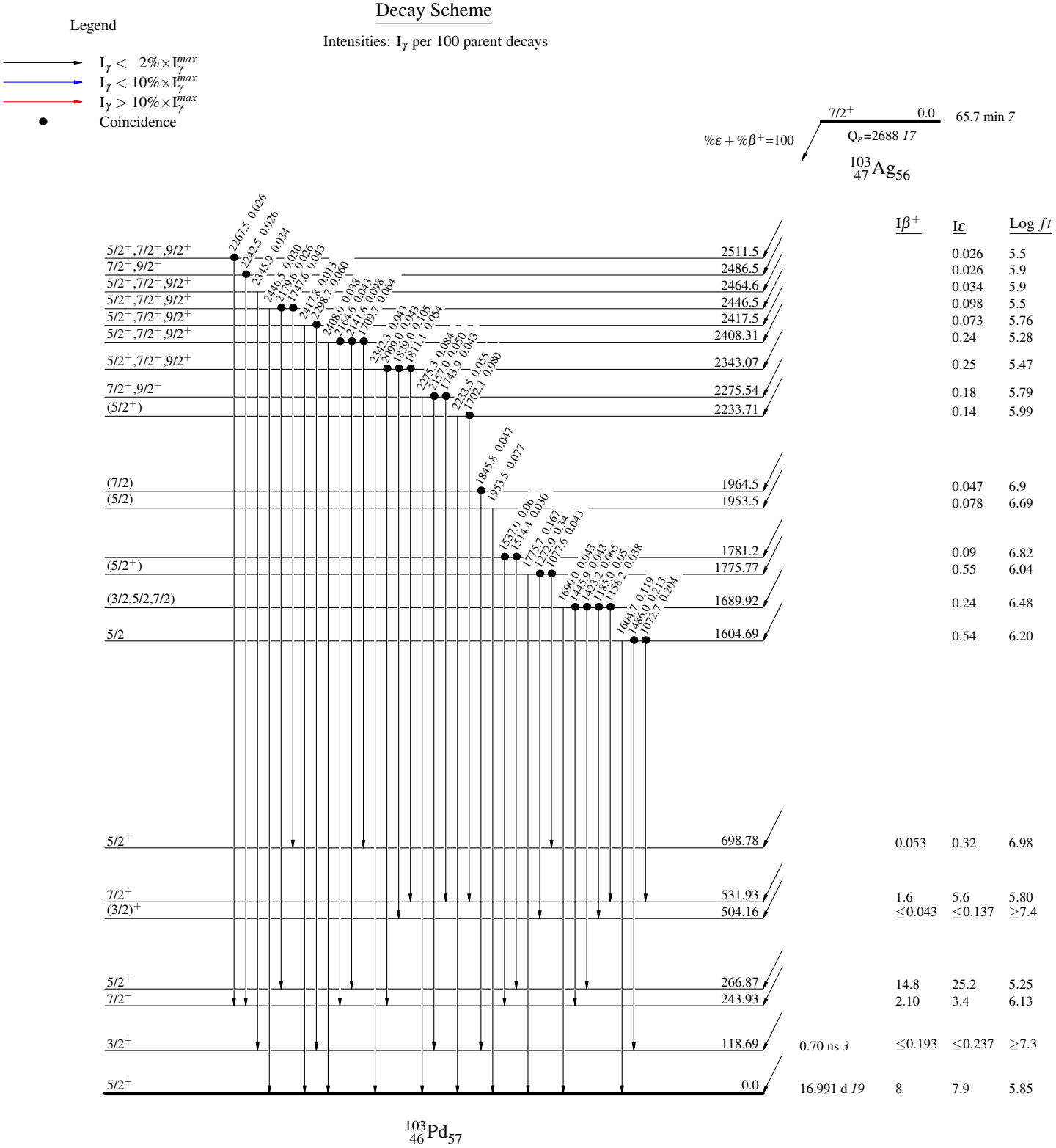
x γ ray not placed in level scheme.

$^{103}_{46}Pd_{57}$-6

^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01

Decay Scheme

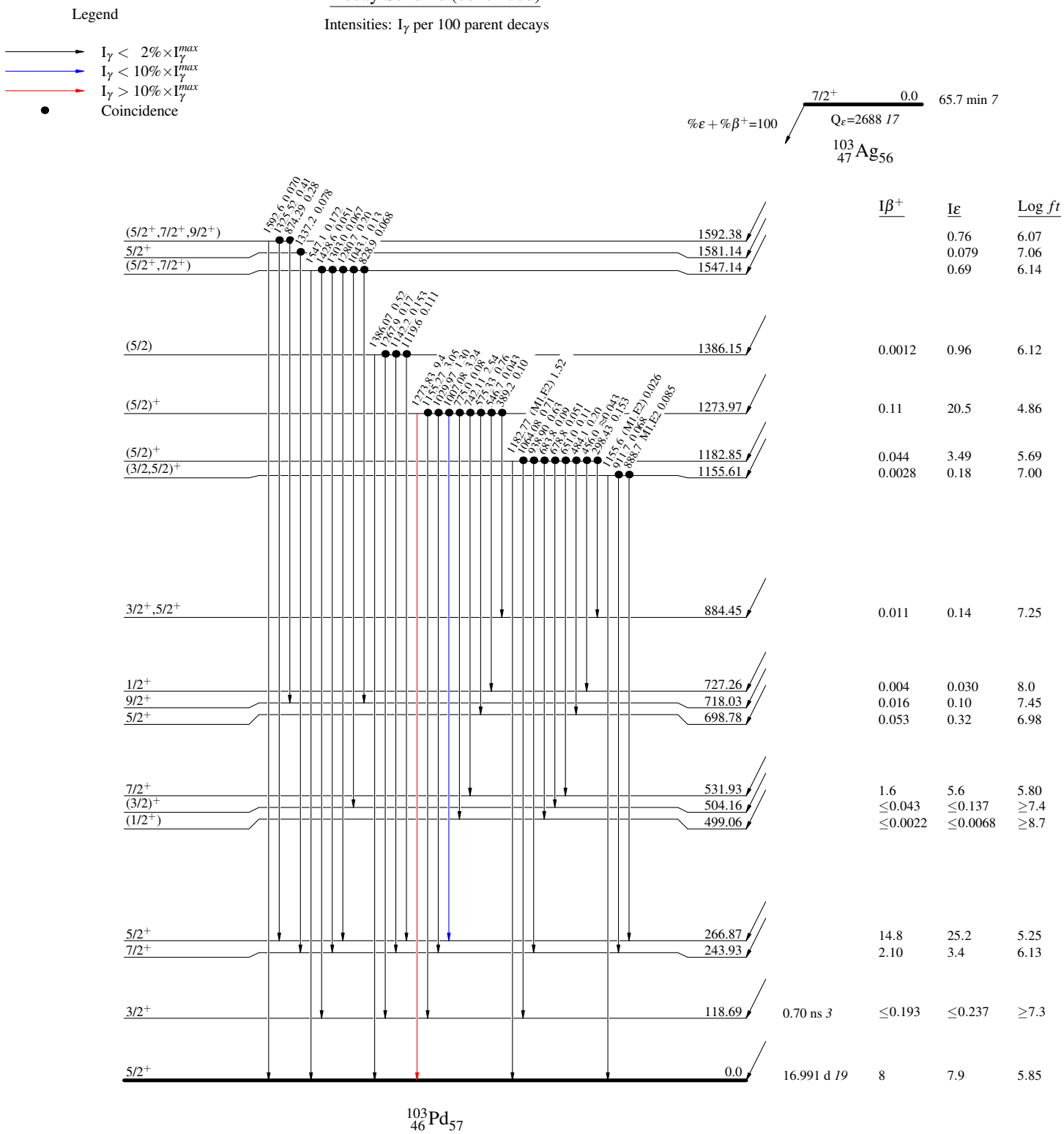
Intensities: I_γ per 100 parent decays



^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays



^{103}Ag ε decay (65.7 min) 1975Di09,1980Lh01

Decay Scheme (continued)

Intensities: I_γ per 100 parent decays