^{99}Ag β^+ decay 1981Hu03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. Browne, J. K. Tuli	NDS 145, 25 (2017)	1-Jul-2017

Parent: ^{99}Ag: E=0.0; J$^\pi$=(9/2)$^+$; $T_{1/2}$=124 s *3*; Q(β^+)=5470 *8*; %β^+ decay=100.0
Measured: γ, $\gamma\gamma$.

^{99}Pd Levels

E(level)	J$^\pi$†	Comments
0.0	(5/2)$^+$	
219.79 *8*	(3/2)$^+$	
264.382 *25*	(7/2)$^+$	
463.77 *6*	(3/2$^+$)	
686.93 *5*	(5/2$^+$)	J$^\pi$: (7/2$^+$) In β^+ decay.
815.31 *5*	(7/2)$^+$	J$^\pi$: (7/2,9/2$^+$) In β^+ decay.
816.05 *9*	(7/2$^+$)	
832.45 *3*	(9/2)$^+$	J$^\pi$: (7/2,9/2$^+$) In β^+ decay.
1069.84 *12*	(11/2)$^+$	
1102.78 *5*	(9/2)$^+$	J$^\pi$: (7/2,9/2$^+$) In β^+ decay.
1182.81 *20*	(3/2,5/2)$^+$	J$^\pi$: (7/2$^+$) In β^+ decay.
1423.58 *16*	(5/2$^-$,7/2,9/2$^+$)	
1468.44 *6*	(11/2)$^+$	J$^\pi$: (7/2$^+$,9/2$^+$,11/2$^+$) In β^+ decay.
1540.42 *5*	(9/2)$^+$	J$^\pi$: (7/2$^+$,9/2$^+$) In β^+ decay.
1650.1 *10*	(13/2)$^+$	J$^\pi$: (7/2,9/2,11/2) In β^+ decay.
1696.55 *8*	(9/2$^+$)	J$^\pi$: (7/2$^+$) In β^+ decay.
1719.10 *13*	(15/2)$^+$	
1849.71 *15*	(7/2,9/2$^+$)	
1854.04 *21*	(9/2$^+$)	J$^\pi$: (7/2,9/2,11/2) In β^+ decay.
1911.64 *19*	(7/2,9/2,11/2)	
2007.15 *18*	(7/2,9/2)	J$^\pi$: (7/2,9/2,11/2) In β^+ decay.
2137.68 *9*	(7/2$^+$,9/2$^+$,11/2$^+$)	
2145.40 *21*	(11/2)	J$^\pi$: (7/2,9/2,11/2$^+$) In β^+ decay.
2171.91 *14*	(7/2$^+$,9/2$^+$,11/2$^+$)	
2239.9 *5*	(7/2,9/2,11/2$^+$)	
2263.57 *17*	(7/2,9/2$^+$)	
2332.85 *21*	(7/2,9/2,11/2$^+$)	
2486.35 *23*	(7/2$^+$,9/2$^+$,11/2$^+$)	
2601.75 *15*	(7/2$^+$,9/2$^+$,11/2$^+$)	
3209.5 *4*	(7/2$^+$,9/2$^+$,11/2$^+$)	
3446.2 *4*	(7/2$^+$,9/2$^+$,11/2$^+$)	
3594.4 *10*	(7/2$^+$,9/2$^+$,11/2$^+$)	

† From Adopted Levels.

ε,β^+ radiations

E(decay)	E(level)	Iβ^+‡	Iε†‡	Log *ft*	I($\varepsilon+\beta^+$)‡	Comments
(1876 *8*)	3594.4	0.040 *14*	0.34 *12*	5.40 *15*	0.38 *13*	av Eβ=380.4 *36*; εK=0.774 *3*; εL=0.0974 *4*; εM+=0.02364 *9*
(2024 *8*)	3446.2	0.22 *4*	1.10 *18*	4.96 *8*	1.32 *22*	av Eβ=445.3 *36*; εK=0.719 *4*; εL=0.0904 *5*; εM+=0.02191 *11*
(2261 *8*)	3209.5	0.15 *2*	0.35 *6*	5.55 *7*	0.50 *8*	av Eβ=550.1 *36*; εK=0.613 *4*; εL=0.0768 *5*; εM+=0.01863 *12*
(2868 *8*)	2601.75	2.7 *3*	1.8 *2*	5.05 *5*	4.5 *5*	av Eβ=823.8 *37*; εK=0.348 *3*; εL=0.0435 *4*; εM+=0.01054 *9*
(2984 *8*)	2486.35	0.85 *14*	0.47 *8*	5.67 *8*	1.32 *22*	av Eβ=876.5 *37*; εK=0.310 *3*; εL=0.0387 *4*; εM+=0.00937 *8*
(3137 *8*)	2332.85	0.81 *10*	0.35 *4*	5.83 *6*	1.16 *14*	av Eβ=946.8 *37*; εK=0.2650 *22*; εL=0.0330 *3*; εM+=0.00801 *7*

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^{99}Ag β^+ decay 1981Hu03 (continued)

ϵ,β^+ radiations (continued)

E(decay)	E(level)	Iβ^+[‡]	Iε[†‡]	Log *ft*	I$(\varepsilon+\beta^+)$[‡]	Comments
(3206 *8*)	2263.57	1.09 *15*	0.43 *6*	5.77 *7*	1.52 *21*	av Eβ=978.7 *37*; εK=0.2470 *20*; εL=0.0308 *3*; εM+=0.00746 *6*
(3230 *8*)	2239.9	0.27 *7*	0.11 *3*	6.39 *12*	0.38 *10*	av Eβ=989.6 *37*; εK=0.2412 *20*; εL=0.03007 *25*; εM+=0.00729 *6*
(3298 *8*)	2171.91	2.0 *2*	0.70 *8*	5.58 *5*	2.7 *3*	av Eβ=1021.0 *37*; εK=0.2253 *18*; εL=0.02808 *23*; εM+=0.00680 *6*
(3325 *8*)	2145.40	0.94 *12*	0.32 *4*	5.93 *6*	1.26 *16*	av Eβ=1033.2 *37*; εK=0.2194 *18*; εL=0.02735 *22*; εM+=0.00663 *6*
(3332 *8*)	2137.68	2.5 *3*	0.85 *10*	5.51 *6*	3.4 *4*	av Eβ=1036.8 *37*; εK=0.2178 *18*; εL=0.02714 *22*; εM+=0.00657 *6*
(3463 *8*)	2007.15	0.64 *9*	0.18 *2*	6.21 *6*	0.82 *11*	av Eβ=1097.2 *37*; εK=0.1915 *15*; εL=0.02385 *19*; εM+=0.00578 *5*
(3558 *8*)	1911.64	0.55 *10*	0.14 *3*	6.35 *9*	0.69 *13*	av Eβ=1141.5 *38*; εK=0.1746 *14*; εL=0.02174 *17*; εM+=0.00527 *4*
(3616 *8*)	1854.04	0.40 *11*	0.10 *3*	6.53 *13*	0.50 *14*	av Eβ=1168.2 *38*; εK=0.1653 *13*; εL=0.02058 *16*; εM+=0.00498 *4*
(3620 *8*)	1849.71	1.1 *3*	0.27 *8*	6.08 *13*	1.4 *4*	av Eβ=1170.3 *38*; εK=0.1646 *13*; εL=0.02049 *16*; εM+=0.00496 *4*
(3751 *8*)	1719.10	0.27 *6*	0.054 *12*	6.81 *10*	0.32 *7*	av Eβ=1231.1 *38*; εK=0.1457 *11*; εL=0.01813 *14*; εM+=0.00439 *4*
(3773 *8*)	1696.55	6.3 *7*	1.2 *1*	5.45 *5*	7.5 *8*	av Eβ=1241.6 *38*; εK=0.1427 *11*; εL=0.01775 *14*; εM+=0.00430 *4*
(3820 *8*)	1650.1	0.74 *8*	0.14 *2*	6.41 *5*	0.88 *10*	av Eβ=1263.3 *38*; εK=0.1367 *10*; εL=0.01701 *13*; εM+=0.00412 *3*
(3930 *8*)	1540.42	5.4 *7*	0.90 *11*	5.63 *6*	6.3 *8*	av Eβ=1314.6 *38*; εK=0.1239 *9*; εL=0.01541 *11*; εM+=0.00373 *3*
(4002 *8*)	1468.44	3.6 *5*	0.56 *8*	5.85 *7*	4.2 *6*	av Eβ=1348.3 *38*; εK=0.1163 *9*; εL=0.01446 *11*; εM+=0.003502 *25*
(4046[#] *8*)	1423.58	<0.3	<0.05	>6.9	<0.4	av Eβ=1369.4 *38*; εK=0.1118 *8*; εL=0.01390 *10*; εM+=0.003367 *24*
(4287 *8*)	1182.81	1.3 *3*	0.15 *3*	6.49 *10*	1.4 *3*	av Eβ=1482.6 *38*; εK=0.0913 *6*; εL=0.01134 *8*; εM+=0.002747 *19*
(4367 *8*)	1102.78	4.5 *5*	0.49 *5*	5.98 *5*	5.0 *5*	av Eβ=1520.4 *38*; εK=0.0855 *6*; εL=0.01063 *7*; εM+=0.002573 *17*
(4400 *8*)	1069.84	4.7 *6*	0.50 *7*	5.98 *6*	5.2 *7*	av Eβ=1535.9 *38*; εK=0.0833 *6*; εL=0.01035 *7*; εM+=0.002506 *17*
(4638 *8*)	832.45	6.7 *9*	0.58 *8*	5.96 *6*	7.3 *10*	av Eβ=1648.2 *38*; εK=0.0692 *5*; εL=0.00860 *6*; εM+=0.002082 *13*
(4654 *8*)	816.05	1.9 *6*	0.17 *6*	6.51 *15*	2.1 *7*	av Eβ=1656.0 *38*; εK=0.0684 *5*; εL=0.00849 *6*; εM+=0.002056 *13*
(4655 *8*)	815.31	3.6 *13*	0.31 *11*	6.24 *16*	3.9 *14*	av Eβ=1656.4 *38*; εK=0.0683 *5*; εL=0.00849 *6*; εM+=0.002055 *13*
(4783 *8*)	686.93	1.9 *3*	0.15 *2*	6.58 *7*	2.1 *3*	av Eβ=1717.3 *38*; εK=0.0621 *4*; εL=0.00771 *5*; εM+=0.001867 *11*
(5006[#] *8*)	463.77	<0.2	<0.01	>7.7	<0.2	av Eβ=1823.4 *39*; εK=0.0529 *3*; εL=0.00657 *4*; εM+=0.001590 *9* I$(\varepsilon+\beta^+)$: 0.0 *4* from intensity balance.
(5206 *8*)	264.382	29 *3*	1.7 *2*	5.61 *5*	31 *3*	av Eβ=1918.5 *39*; εK=0.04618 *25*; εL=0.00573 *3*; εM+=0.001387 *8*
(5250[#] *8*)	219.79	<0.6	<0.2	>10.7[2u]	<0.8	av Eβ=1952.3 *38*; εK=0.1682 *9*; εL=0.02123 *12*; εM+=0.00515 *3* Additional information 1.

[†] The $(\varepsilon+\beta^+)$ feeding to the g.s. was assumed to be negligible since transition is second forbidden. Feedings to excited states are

Continued on next page (footnotes at end of table)

^{99}Ag β^+ decay 1981Hu03 (continued)

ε,β^+ radiations (continued)

deduced from intensity balance.

‡ Absolute intensity per 100 decays.

Existence of this branch is questionable.

γ(^{99}Pd)

Iγ normalization: From Σ (I(γ+ce)) to gs=100. The (ε+β^+) feeding to the g.s. was assumed to be negligible since transition is second forbidden.

E_γ	I_γ[b]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	α[†a]	Comments
219.9 4	6.3 2	219.79	(3/2)$^+$	0.0	(5/2)$^+$	[M1,E2]	0.065 21	%Iγ=4.0 6 α(K)=0.055 17; α(L)=0.0078 32; α(M)=0.00148 61 α(N)=2.43×10^{-4} 96
243.7 2	0.6 1	463.77	(3/2$^+$)	219.79	(3/2)$^+$			%Iγ=0.38 8
264.46 3	100	264.382	(7/2)$^+$	0.0	(5/2)$^+$	M1	0.0273	%Iγ=63 5 α(K)=0.0239 4; α(L)=0.00286 4; α(M)=0.000538 8 α(N)=9.06×10^{-5} 13
287.65 7	0.8 2	1102.78	(9/2)$^+$	815.31	(7/2)$^+$			%Iγ=0.51 15
326.0 2	0.6 1	2332.85	(7/2,9/2,11/2$^+$)	2007.15	(7/2,9/2)			%Iγ=0.38 8
352.4 1	1.0 2	816.05	(7/2$^+$)	463.77	(3/2$^+$)			%Iγ=0.63 15
371.3 3	0.3 1	1911.64	(7/2,9/2,11/2)	1540.42	(9/2)$^+$			%Iγ=0.19 7
385.6 2	0.8 2	1854.04	(9/2$^+$)	1468.44	(11/2)$^+$			%Iγ=0.51 15
^{x}391.7 3	0.5 1							%Iγ=0.32 8
398.6 1	1.3 1	1468.44	(11/2)$^+$	1069.84	(11/2)$^+$	[M1,E2]	0.0108 11	%Iγ=0.82 13 α(K)=0.0093 9; α(L)=0.00117 18; α(M)=0.00022 4 α(N)=3.7×10^{-5} 6
^{x}416.6 5	0.4 1							%Iγ=0.25 8
^{x}422.4 5	0.4 1							%Iγ=0.25 8
438.3 2	0.5 1	1540.42	(9/2)$^+$	1102.78	(9/2)$^+$			%Iγ=0.32 8
443.1 3	0.4 1	1911.64	(7/2,9/2,11/2)	1468.44	(11/2)$^+$			%Iγ=0.25 8
463.73 7	1.7 2	463.77	(3/2$^+$)	0.0	(5/2)$^+$			%Iγ=1.08 19
467.3 1	0.9 2	686.93	(5/2$^+$)	219.79	(3/2)$^+$			%Iγ=0.57 15
488.1 3	0.4 1	1911.64	(7/2,9/2,11/2)	1423.58	(5/2$^-$,7/2,9/2$^+$)			%Iγ=0.25 8
551.1 1	0.6 1	815.31	(7/2)$^+$	264.382	(7/2)$^+$			%Iγ=0.38 8
568.20 4	5.9 2	832.45	(9/2)$^+$	264.382	(7/2)$^+$			%Iγ=3.7 5
596.2 1	2.3 8	816.05	(7/2$^+$)	219.79	(3/2)$^+$			%Iγ=1.5 6
^{x}602.9 1	1.1 3							%Iγ=0.70 21
^{x}610.6[‡] 3	1.2 2							%Iγ=0.76 16
636.0 1	2.2 2	1468.44	(11/2)$^+$	832.45	(9/2)$^+$			%Iγ=1.39 23
649.26 6	0.5 1	1719.10	(15/2)$^+$	1069.84	(11/2)$^+$			%Iγ=0.32 8
653.2 1	1.3 7	1468.44	(11/2)$^+$	815.31	(7/2)$^+$			%Iγ=0.8 5
686.99 5	5.0 3	686.93	(5/2$^+$)	0.0	(5/2)$^+$			%Iγ=3.2 5
708.0 1	0.96 16	1540.42	(9/2)$^+$	832.45	(9/2)$^+$			%Iγ=0.61 13
725.4 2	1.2 1	1540.42	(9/2)$^+$	815.31	(7/2)$^+$			%Iγ=0.76 12
805.6 5	19.3 6	1069.84	(11/2)$^+$	264.382	(7/2)$^+$			%Iγ=12.2 17
815.63 10	10.5 20	815.31	(7/2)$^+$	0.0	(5/2)$^+$			%Iγ=6.6 15
816.1 10	<2	816.05	(7/2$^+$)	0.0	(5/2)$^+$			%Iγ=0.6 7 I_γ: from coincidence spectra.

$^{99}_{46}$Pd$_{53}$-4

γ(^{99}Pd) (continued)

E_γ	I_γ[b]	E_i(level)	J^π_i	E_f	J^π_f	Comments
817.6 10	1.4 1	1650.1	(13/2)$^+$	832.45	(9/2)$^+$	%Iγ=0.89 14 I_γ: from coincidence spectra.
832.29 4	20.7 8	832.45	(9/2)$^+$	0.0	(5/2)$^+$	%Iγ=13.1 18
838.47 8	3.2 2	1102.78	(9/2)$^+$	264.382	(7/2)$^+$	%Iγ=2.0 3
853.73 9	0.80 7	1540.42	(9/2)$^+$	686.93	(5/2$^+$)	%Iγ=0.51 8
864.0 1	6.2 6	1696.55	(9/2$^+$)	832.45	(9/2)$^+$	%Iγ=3.9 7
881.1 3	0.34 8	1696.55	(9/2$^+$)	815.31	(7/2)$^+$	%Iγ=0.22 6
908.4 4	0.5 1	2332.85	(7/2,9/2,11/2$^+$)	1423.58	(5/2$^-$,7/2,9/2$^+$)	%Iγ=0.32 8
^{x}911.4 1	0.3 1					%Iγ=0.19 7
954.7 3	0.14 5	2137.68	(7/2$^+$,9/2$^+$,11/2$^+$)	1182.81	(3/2,5/2)$^+$	%Iγ=0.09 4
963.2 3	1.6 2	1182.81	(3/2,5/2)$^+$	219.79	(3/2)$^+$	%Iγ=1.01 19
1010.1 2	0.8 1	1696.55	(9/2$^+$)	686.93	(5/2$^+$)	%Iγ=0.51 10
1034.8 2	0.6 1	2137.68	(7/2$^+$,9/2$^+$,11/2$^+$)	1102.78	(9/2)$^+$	%Iγ=0.38 8
^{x}1068.8[#] 3	0.8 1					%Iγ=0.51 10
1076.3[&] 1	0.8 1	1540.42	(9/2)$^+$	463.77	(3/2$^+$)	%Iγ=0.51 10
1102.60 7	5.0 2	1102.78	(9/2)$^+$	0.0	(5/2)$^+$	%Iγ=3.2 5
1158.9 2	0.8 2	1423.58	(5/2$^-$,7/2,9/2$^+$)	264.382	(7/2)$^+$	%Iγ=0.51 15
1175.0 2	1.9 1	2007.15	(7/2,9/2)	832.45	(9/2)$^+$	%Iγ=1.20 17
1182.2 4	0.8 3	1182.81	(3/2,5/2)$^+$	0.0	(5/2)$^+$	%Iγ=0.51 20
1203.98 8	3.1 2	1468.44	(11/2)$^+$	264.382	(7/2)$^+$	%Iγ=2.0 3
1233.1[&] 2	0.5 1	1696.55	(9/2$^+$)	463.77	(3/2$^+$)	%Iγ=0.32 8
^{x}1261.9 5	0.8 3					%Iγ=0.51 20
1275.8 1	3.8 9	1540.42	(9/2)$^+$	264.382	(7/2)$^+$	%Iγ=2.4 7
^{x}1281.5 5	1.0 3					%Iγ=0.63 21
1304.9 2	1.0 4	2137.68	(7/2$^+$,9/2$^+$,11/2$^+$)	832.45	(9/2)$^+$	%Iγ=0.6 3 E_γ: placed between 2137.8-keV and 832.4-keV levels although not in coincidence with 832-keV transition.
1339.3 2	1.35 15	2171.91	(7/2$^+$,9/2$^+$,11/2$^+$)	832.45	(9/2)$^+$	%Iγ=0.85 15
1356.1 2	1.0 1	2171.91	(7/2$^+$,9/2$^+$,11/2$^+$)	816.05	(7/2$^+$)	%Iγ=0.63 11
^{x}1368.6 3	0.50 15					%Iγ=0.32 11
^{x}1402.8 2	0.23 5					%Iγ=0.15 4
1416.5 2	2.1 3	2486.35	(7/2$^+$,9/2$^+$,11/2$^+$)	1069.84	(11/2)$^+$	%Iγ=1.3 3
1423.9 4	0.4 2	1423.58	(5/2$^-$,7/2,9/2$^+$)	0.0	(5/2)$^+$	%Iγ=0.25 13
1432.3 2	2.4 2	1696.55	(9/2$^+$)	264.382	(7/2)$^+$	%Iγ=1.52 24
1448.3 2	1.3 2	2263.57	(7/2,9/2$^+$)	815.31	(7/2)$^+$	%Iγ=0.82 17
^{x}1452.3 3	0.7 2					%Iγ=0.44 14
1476.3[&] 3	1.0 3	1696.55	(9/2$^+$)	219.79	(3/2)$^+$	%Iγ=0.63 21
^{x}1498.7[@] 5	0.8 2					%Iγ=0.51 15
1531.9 1	7.1 5	2601.75	(7/2$^+$,9/2$^+$,11/2$^+$)	1069.84	(11/2)$^+$	%Iγ=4.5 7
1540.4 1	2.2 3	1540.42	(9/2)$^+$	0.0	(5/2)$^+$	%Iγ=1.4 3
^{x}1550.7 3	0.6 2					%Iγ=0.38 14
1576.4 3	1.00 15	2263.57	(7/2,9/2$^+$)	686.93	(5/2$^+$)	%Iγ=0.63 13

γ(^{99}Pd) (continued)

E_γ	I_γ[b]	E_i(level)	J^π_i	E_f	J^π_f	Comments
1585.3 *2*	1.7 *6*	1849.71	(7/2,9/2$^+$)	264.382	(7/2)$^+$	%Iγ=1.1 *4* I_γ: from coincidence spectra.
^{x}1594.6 *6*	0.4 *1*					%Iγ=0.25 *8*
^{x}1613.7 *3*	1.1 *1*					%Iγ=0.70 *11*
^{x}1642.5 *6*	0.9 *3*					%Iγ=0.57 *21*
^{x}1682.9 *2*	0.6 *2*					%Iγ=0.38 *14*
1695.9 *3*	0.60 *15*	1696.55	(9/2$^+$)	0.0	(5/2)$^+$	%Iγ=0.38 *11*
^{x}1725.9 *5*	0.4 *1*					%Iγ=0.25 *8*
^{x}1739.3 *4*	0.5 *1*					%Iγ=0.32 *8*
^{x}1796.7 *4*	0.8 *2*					%Iγ=0.51 *15*
1849.7 *2*	0.60 *15*	1849.71	(7/2,9/2$^+$)	0.0	(5/2)$^+$	%Iγ=0.38 *11*
1873.4 *1*	3.7 *2*	2137.68	(7/2$^+$,9/2$^+$,11/2$^+$)	264.382	(7/2)$^+$	%Iγ=2.3 *4*
1881.0 *2*	2.0 *2*	2145.40	(11/2)	264.382	(7/2)$^+$	%Iγ=1.27 *21*
1907.1 *4*	1.9 *1*	2171.91	(7/2$^+$,9/2$^+$,11/2$^+$)	264.382	(7/2)$^+$	%Iγ=1.20 *17*
1975.5 *5*	0.60 *15*	2239.9	(7/2,9/2,11/2$^+$)	264.382	(7/2)$^+$	%Iγ=0.38 *11*
^{x}2010.5 *7*	0.20 *7*					%Iγ=0.13 *5*
^{x}2028.8 *4*	0.17 *7*					%Iγ=0.11 *5*
2068.1 *4*	0.74 *8*	2332.85	(7/2,9/2,11/2$^+$)	264.382	(7/2)$^+$	%Iγ=0.47 *8*
^{x}2204.6 *3*	0.9 *1*					%Iγ=0.57 *10*
^{x}2206.0 *3*	0.3 *1*					%Iγ=0.19 *7*
2264.0 *6*	0.11 *7*	2263.57	(7/2,9/2$^+$)	0.0	(5/2)$^+$	%Iγ=0.07 *5*
^{x}2305.2 *3*	1.0 *1*					%Iγ=0.63 *11*
^{x}2322.2 *4*	0.5 *1*					%Iγ=0.32 *8*
^{x}2340.8 *6*	0.4 *1*					%Iγ=0.25 *8*
^{x}2454.0 *9*	0.24 *5*					%Iγ=0.15 *4*
^{x}2537.2 *5*	0.4 *1*					%Iγ=0.25 *8*
^{x}2629.7 *9*	0.5 *2*					%Iγ=0.32 *14*
^{x}2708.5 *4*	1.3 *1*					%Iγ=0.82 *13*
^{x}2742.1 *5*	0.5 *1*					%Iγ=0.32 *8*
^{x}2820.8 *9*	0.40 *16*					%Iγ=0.25 *11*
2945.1 *4*	0.8 *1*	3209.5	(7/2$^+$,9/2$^+$,11/2$^+$)	264.382	(7/2)$^+$	%Iγ=0.51 *10*
3181.8 *4*	2.1 *3*	3446.2	(7/2$^+$,9/2$^+$,11/2$^+$)	264.382	(7/2)$^+$	%Iγ=1.3 *3*
3330 *1*	0.6 *2*	3594.4	(7/2$^+$,9/2$^+$,11/2$^+$)	264.382	(7/2)$^+$	%Iγ=0.38 *14*
^{x}3542.8 *7*	0.8 *2*					%Iγ=0.51 *15*

† From the adopted gammas.

‡ Transition placed by authors between 832.42 and 219.91 levels but there is an energy-sum mismatch.

\# Note that this line can be placed between 2171.93 and 1102.78 levels.

@ This transition can be placed between 2601.75 and 1102.78 levels.

& Placement not consistent with $\Delta(J^\pi)$.

$^{99}_{46}$Pd$_{53}$-6

γ(^{99}Pd) (continued)

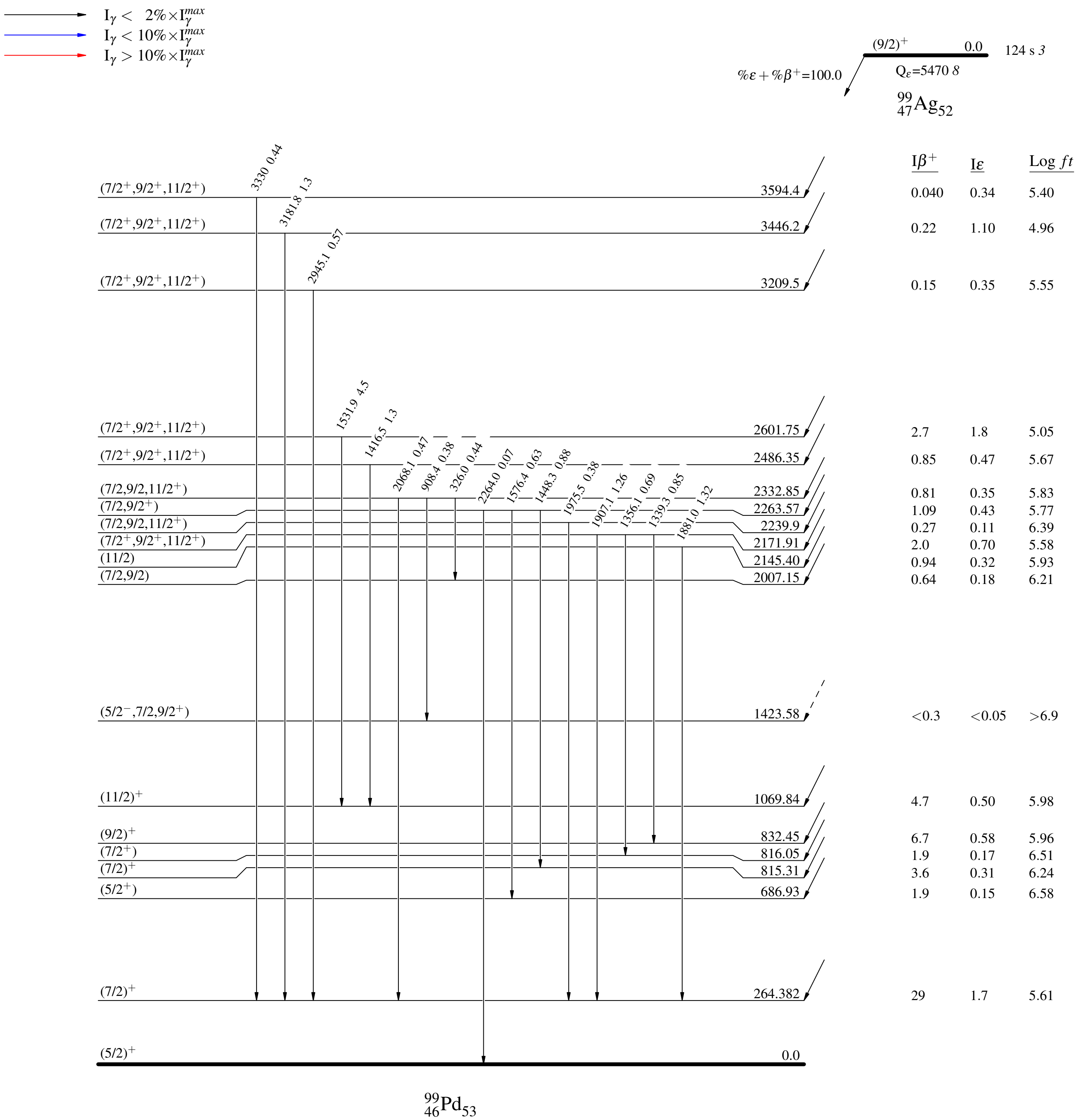
[a] Additional information 2.
[b] For absolute intensity per 100 decays, multiply by 0.63 *9*.
[x] γ ray not placed in level scheme.

$^{99}_{46}Pd_{53}$-7

$^{99}Ag\ \beta^+$ decay 1981Hu03

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

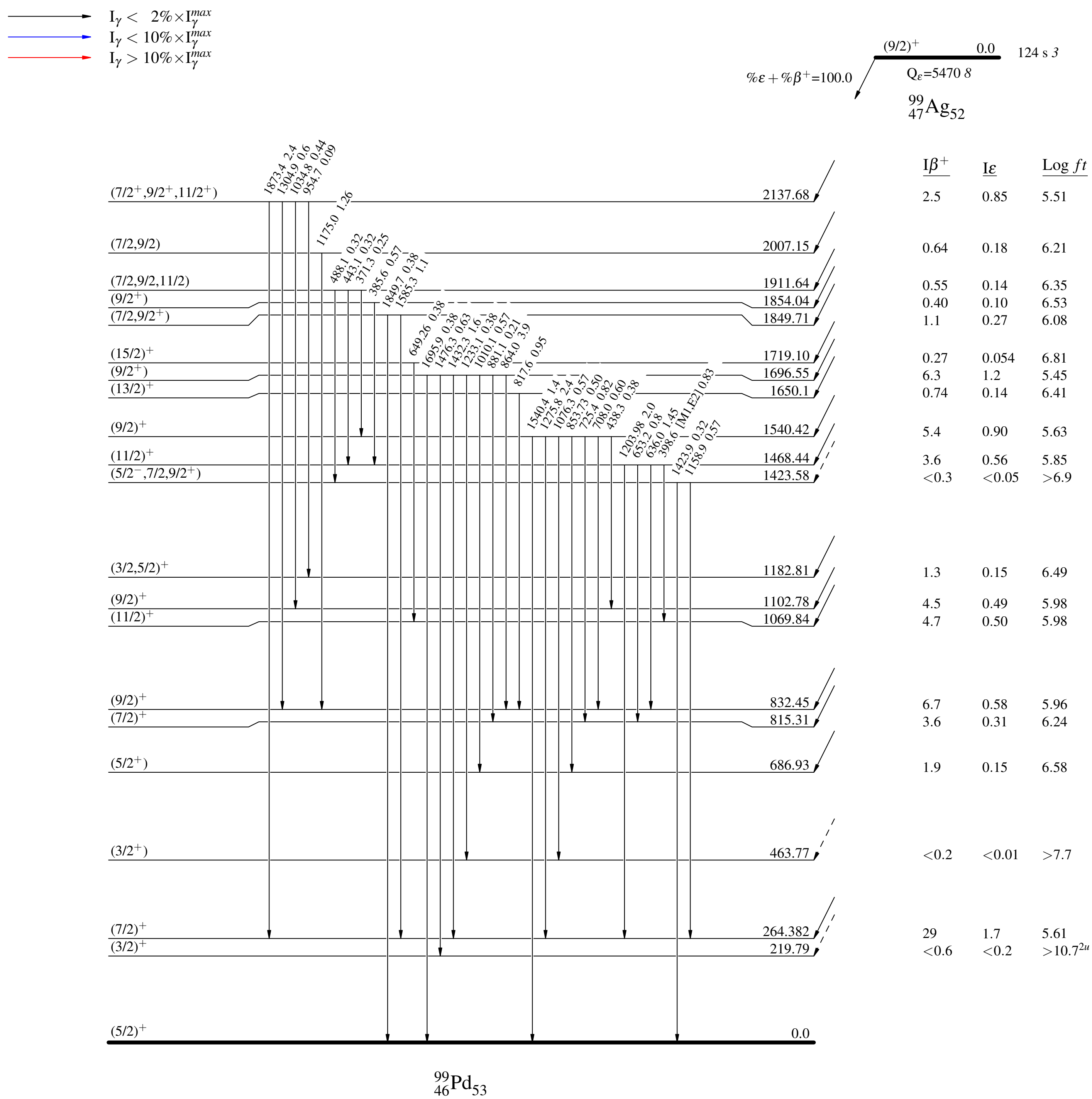


^{99}Ag β^+ decay 1981Hu03

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend



^{99}Ag β^+ decay 1981Hu03

Decay Scheme (continued)