^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 134, 149 (2016)	15-Apr-2015

Parent: ^{183}Au: E=0.0; J$^{\pi}$=(5/2)$^{-}$; T$_{1/2}$=42.8 s *10*; Q(ε)=5583 *18*; %ε+%β^{+} decay=99.45 *25*

The decay scheme was derived by 1989Ro21 on the basis of $\gamma\gamma$-coincidence data and conversion electron data. Significant unplaced transition intensity and the lack of level data above 2 MeV, suggest that the decay scheme may be incomplete.

Total energy release for this decay scheme is 6621 *320* cf. QxBR=5552 *23*.

^{183}Pt Levels

E(level)[†]	J$^{\pi}$[‡]	T$_{1/2}$	Comments
0.0[e]	1/2^{-}	6.5 min *10*	T$_{1/2}$: from Adopted Levels.
34.57[&] *9*	7/2^{-}	43 s *5*	%ε+%β^{+}=96.9 *8*; %α<3×10^{-4}; %IT=3.1 *8* (1998Ro32) T$_{1/2}$: from Adopted Levels.
84.66[e] *7*	3/2^{-}		
96.11[e] *7*	5/2^{-}		
149.77[&] *10*	(9/2)$^{-}$		
195.76[@] *11*	(9/2)$^{+}$	>50 ns	T$_{1/2}$: in $\gamma\gamma$(t), the 161γ is strongly attenuated (1984Ma41).
243.54[@] *14*	(11/2)$^{+}$		
289.60[&] *12*	(11/2)$^{-}$		
298.82[e] *8*	7/2^{-}		
314.25[e] *10*	9/2^{-}		
347.62[b] *8*	(5/2)$^{-}$		
373.16[a] *9*	(7/2)$^{-}$		
375.30[#] *12*	(7/2)$^{+}$		
471.56[b] *10*	(7/2)$^{-}$		
531.50[#] *13*	(9/2)$^{+}$		
535.82[a] *12*	(9/2^{-})		
556.55[c] *13*	3/2^{-}		
568.70[d] *11*	(1/2)$^{-}$		
611.39 *16*			
613.16 *15*	(3/2,5/2)$^{-}$		
617.40[c] *12*	(5/2)$^{-}$		
636.29 *15*	(7/2^{+},9/2,11/2^{-})		
650.17[d] *11*	(3/2)$^{-}$		
678.46 *13*	(3/2,5/2)$^{-}$		
693.02 *11*	(3/2,5/2)$^{-}$		
702.37[c] *14*	(7/2)$^{-}$		
730.78 *18*	($\geq$5/2)$^{+}$		
762.05[d] *11*	(5/2)$^{-}$		
801.85 *14*	(3/2,5/2,7/2)$^{-}$		
819.89 *16*	(7/2,9/2)$^{-}$		
824.82 *16*	(5/2,7/2,9/2)$^{-}$		
835.38 *13*	(3/2,5/2)$^{-}$		
847.35 *23*	(7/2,9/2,11/2)$^{-}$		
879.66 *14*	(7/2^{-},9/2^{-})		
919.00 *16*	(3/2,5/2,7/2)$^{-}$		
930.53 *15*	$^{-}$		
931.94 *15*	(7/2,9/2)$^{-}$		
963.79 *16*	(7/2,9/2,11/2)$^{-}$		
978.43 *17*	(7/2)$^{-}$		
989.81 *24*	($^{+}$)		

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^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41 (continued)

^{183}Pt Levels (continued)

E(level)[†]	Jπ[‡]	E(level)[†]	Jπ[‡]	E(level)[†]	Jπ[‡]
998.42 *16*	(≥7/2)	1844.3 *3*	−	1940.49 *15*	(3/2,5/2)−
1024.57 *17*	(5/2,7/2,9/2)−	1847.53 *23*		1948.69 *19*	(5/2−,7/2)
1035.04 *15*	(7/2,9/2)−	1884.2 *3*	(3/2,5/2,7/2)+	1956.63 *13*	(7/2)−
1057.97 *22*		1892.3 *3*	(≤7/2)	1968.60 *23*	(3/2,5/2,7/2)−
1071.28 *17*	(5/2,7/2)−	1907.5 *4*	(5/2,7/2)−	1970.71 *15*	(7/2)−
1126.38 *16*		1912.81 *19*	(5/2−,7/2−)	1979.90 *23*	
1810.7 *3*		1914.68 *19*	(3/2,5/2)−		
1814.4 *3*	(3/2,5/2,7/2)−	1938.56 *16*	(7/2)−		

[†] From least-squares fit to Eγ, including uncertainly-placed transitions (note that their exclusion would change E(level) by at most 0.2 keV).
[‡] From Adopted Levels.
[#] Band(A): 7/2[633] band.
[@] Band(B): 9/2[624] band.
[&] Band(C): 7/2[514] band.
[a] Band(D): 7/2[503] band.
[b] Band(E): 5/2[512] band.
[c] Band(F): 3/2[512] band.
[d] Band(G): 1/2[510] band.
[e] Band(H): 1/2[521] g.s. band.

ε,β+ radiations

E(decay)	E(level)	Iβ+ [‡]	Iε[‡]	Log *ft*	I(ε+β+)[†‡]	Comments
(3603 *18*)	1979.90	0.080 *17*	0.29 *6*	6.69 *10*	0.37 *8*	av Eβ=1164.8 *81*; εK=0.639 *3*; εL=0.1097 *6*; εM+=0.03485 *17*
(3612 *18*)	1970.71	0.61 *9*	2.2 *3*	5.81 *7*	2.8 *4*	av Eβ=1169.0 *81*; εK=0.637 *3*; εL=0.1094 *6*; εM+=0.03476 *17*
(3614 *18*)	1968.60	0.77 *15*	2.7 *5*	5.72 *9*	3.5 *7*	av Eβ=1169.9 *81*; εK=0.637 *3*; εL=0.1094 *6*; εM+=0.03474 *17*
(3626 *18*)	1956.63	2.1 *2*	7.3 *9*	5.29 *6*	9.4 *11*	av Eβ=1175.3 *81*; εK=0.635 *3*; εL=0.1090 *6*; εM+=0.03464 *17*
(3634 *18*)	1948.69	0.38 *7*	1.3 *2*	6.04 *8*	1.7 *3*	av Eβ=1178.9 *81*; εK=0.634 *3*; εL=0.1088 *6*; εM+=0.03456 *17*
(3643 *18*)	1940.49	0.83 *11*	2.9 *4*	5.70 *6*	3.7 *5*	av Eβ=1182.5 *81*; εK=0.632 *3*; εL=0.1086 *6*; εM+=0.03449 *17*
(3644 *18*)	1938.56	0.72 *11*	2.5 *4*	5.77 *7*	3.2 *5*	av Eβ=1183.4 *81*; εK=0.632 *3*; εL=0.1085 *6*; εM+=0.03447 *17*
(3668 *18*)	1914.68	0.76 *12*	2.5 *4*	5.76 *7*	3.3 *5*	av Eβ=1194.1 *81*; εK=0.628 *3*; εL=0.1078 *6*; εM+=0.03425 *17*
(3670 *18*)	1912.81	0.23 *9*	0.8 *3*	6.28 *18*	1.0 *4*	av Eβ=1194.9 *81*; εK=0.628 *3*; εL=0.1078 *6*; εM+=0.03423 *17*
(3676 *18*)	1907.5	1.1 *2*	3.8 *7*	5.59 *8*	4.9 *9*	av Eβ=1197.3 *81*; εK=0.627 *3*; εL=0.1076 *6*; εM+=0.03418 *17*
(3691 *18*)	1892.3	0.14 *3*	0.47 *8*	6.50 *8*	0.61 *11*	av Eβ=1204.1 *81*; εK=0.625 *3*; εL=0.1072 *6*; εM+=0.03404 *17*
(3699 *18*)	1884.2	0.64 *12*	2.1 *4*	5.86 *9*	2.7 *5*	av Eβ=1207.8 *81*; εK=0.623 *3*; εL=0.1069 *6*; εM+=0.03397 *17*
(3735 *18*)	1847.53	0.16 *4*	0.51 *11*	6.48 *10*	0.67 *15*	av Eβ=1224.2 *81*; εK=0.617 *3*; εL=0.1059 *6*; εM+=0.03363 *17*

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^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41 (continued)

ϵ,$β^+$ radiations (continued)

E(decay)	E(level)	I$β^+$ ‡	Iε‡	Log *ft*	I(ε+$β^+$)†‡	Comments
(3739 *18*)	1844.3	0.21 *4*	0.65 *11*	6.37 *8*	0.86 *15*	av Eβ=1225.7 *81*; εK=0.617 *3*; εL=0.1058 *6*; εM+=0.03360 *17*
(3769 *18*)	1814.4	0.16 *3*	0.50 *9*	6.49 *8*	0.66 *12*	av Eβ=1239.1 *81*; εK=0.612 *3*; εL=0.1049 *6*; εM+=0.03332 *17*
(3772 *18*)	1810.7	0.075 *15*	0.22 *4*	6.84 *9*	0.30 *6*	av Eβ=1240.8 *81*; εK=0.611 *3*; εL=0.1048 *6*; εM+=0.03328 *17*
(4457 *18*)	1126.38	0.16 *5*	0.25 *7*	6.94 *13*	0.41 *12*	av Eβ=1550.2 *82*; εK=0.497 *3*; εL=0.0847 *6*; εM+=0.02689 *17*
(4512 *18*)	1071.28	0.51 *9*	0.75 *13*	6.47 *8*	1.26 *22*	av Eβ=1575.3 *82*; εK=0.488 *3*; εL=0.0832 *6*; εM+=0.02639 *17*
(4525 *18*)	1057.97	0.10 *2*	0.15 *2*	7.18 *7*	0.25 *4*	av Eβ=1581.4 *82*; εK=0.486 *3*; εL=0.0828 *5*; εM+=0.02627 *17*
(4548 *18*)	1035.04	0.21	0.31 *1*	6.868 *15*	0.52 *15*	av Eβ=1591.8 *82*; εK=0.482 *3*; εL=0.0821 *5*; εM+=0.02607 *17*
(4558 *18*)	1024.57	0.25 *6*	0.36 *8*	6.80 *10*	0.61 *14*	av Eβ=1596.6 *82*; εK=0.480 *3*; εL=0.0818 *5*; εM+=0.02597 *17*
(4585 *18*)	998.42	0.17 *2*	0.23 *6*	6.99 *11*	0.40 *10*	av Eβ=1608.5 *82*; εK=0.476 *3*; εL=0.0811 *5*; εM+=0.02574 *16*
(4593 *18*)	989.81	0.11 *2*	0.15 *3*	7.18 *9*	0.26 *5*	av Eβ=1612.4 *82*; εK=0.475 *3*; εL=0.0809 *5*; εM+=0.02566 *16*
(4605 *18*)	978.43	0.20 *6*	0.27 *8*	6.93 *13*	0.47 *14*	av Eβ=1617.6 *82*; εK=0.473 *3*; εL=0.0806 *5*; εM+=0.02556 *16*
(4619 *18*)	963.79	0.24 *4*	0.32 *5*	6.86 *7*	0.56 *9*	av Eβ=1624.3 *82*; εK=0.470 *3*; εL=0.0801 *5*; εM+=0.02543 *16*
(4651 *18*)	931.94	0.49 *6*	0.65 *7*	6.56 *5*	1.14 *13*	av Eβ=1638.9 *83*; εK=0.465 *3*; εL=0.0793 *5*; εM+=0.02515 *16*
(4652 *18*)	930.53	0.05 *3*	0.07 *5*	7.5 *3*	0.12 *8*	av Eβ=1639.4 *83*; εK=0.465 *3*; εL=0.0792 *5*; εM+=0.02514 *16*
(4664 *18*)	919.00	0.23 *10*	0.29 *13*	6.91 *20*	0.52 *23*	av Eβ=1644.7 *83*; εK=0.463 *3*; εL=0.0789 *5*; εM+=0.02504 *16*
(4703 *18*)	879.66	0.52 *9*	0.66 *12*	6.56 *8*	1.18 *21*	av Eβ=1662.6 *83*; εK=0.457 *3*; εL=0.0778 *5*; εM+=0.02469 *16*
(4736 *18*)	847.35	0.16 *2*	0.20 *2*	7.09 *5*	0.36 *4*	av Eβ=1677.4 *83*; εK=0.452 *3*; εL=0.0770 *5*; εM+=0.02441 *16*
(4748 *18*)	835.38	0.63 *10*	0.77 *13*	6.51 *8*	1.40 *23*	av Eβ=1682.9 *83*; εK=0.450 *3*; εL=0.0766 *5*; εM+=0.02431 *16*
(4758 *18*)	824.82	0.32 *5*	0.38 *6*	6.81 *7*	0.70 *11*	av Eβ=1687.7 *83*; εK=0.449 *3*; εL=0.0763 *5*; εM+=0.02422 *16*
(4763 *18*)	819.89	0.38 *6*	0.46 *7*	6.73 *7*	0.84 *13*	av Eβ=1689.9 *83*; εK=0.448 *3*; εL=0.0762 *5*; εM+=0.02418 *16*
(4781 *18*)	801.85	0.50 *6*	0.59 *8*	6.63 *6*	1.09 *14*	av Eβ=1698.2 *83*; εK=0.445 *3*; εL=0.0757 *5*; εM+=0.02402 *16*
(4821 *18*)	762.05	0.83 *19*	0.97 *22*	6.42 *10*	1.8 *4*	av Eβ=1716.4 *83*; εK=0.439 *3*; εL=0.0747 *5*; εM+=0.02369 *16*
(4852 *18*)	730.78	0.61 *9*	0.69 *10*	6.57 *7*	1.30 *19*	av Eβ=1730.7 *83*; εK=0.434 *3*; εL=0.0738 *5*; εM+=0.02342 *16*
(4881 *18*)	702.37	1.2 *2*	1.3 *2*	6.30 *7*	2.5 *4*	av Eβ=1743.7 *83*; εK=0.430 *3*; εL=0.0731 *5*; εM+=0.02319 *15*
(4890 *18*)	693.02	1.5 *4*	1.6 *4*	6.21 *12*	3.1 *8*	av Eβ=1747.9 *83*; εK=0.428 *3*; εL=0.0728 *5*; εM+=0.02311 *15*
(4905 *18*)	678.46	0.81 *14*	0.89 *16*	6.47 *8*	1.7 *3*	av Eβ=1754.6 *83*; εK=0.426 *3*; εL=0.0725 *5*; εM+=0.02299 *15*
(4933 *18*)	650.17	0.73 *15*	0.77 *16*	6.54 *9*	1.5 *3*	av Eβ=1767.6 *83*; εK=0.422 *3*; εL=0.0717 *5*; εM+=0.02275 *15*
(4947 *18*)	636.29	0.20 *5*	0.21 *5*	7.11 *11*	0.41 *10*	av Eβ=1773.9 *83*; εK=0.420 *3*; εL=0.0714 *5*; εM+=0.02264 *15*
(4966 *18*)	617.40	1.0 *4*	1.0 *5*	6.42 *20*	2.0 *9*	av Eβ=1782.6 *83*; εK=0.417 *3*; εL=0.0709 *5*;

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^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41 (continued)

ϵ,β^+ radiations (continued)

E(decay)	E(level)	Iβ^+ ‡	Iε‡	Log *ft*	I($\varepsilon+\beta^+$)†‡	Comments
						εM+=0.02249 *15*
(4970 *18*)	613.16	0.38 *9*	0.40 *9*	6.83 *10*	0.78 *18*	av Eβ=1784.6 *83*; εK=0.416 *3*; εL=0.0708 *5*; εM+=0.02245 *15*
(4972 *18*)	611.39	0.19 *3*	0.20 *4*	7.14 *8*	0.39 *7*	av Eβ=1785.3 *83*; εK=0.416 *3*; εL=0.0707 *5*; εM+=0.02244 *15*
(5014 *18*)	568.70	0.29 *9*	0.28 *10*	6.98 *15*	0.58 *19*	av Eβ=1804.9 *83*; εK=0.410 *3*; εL=0.0696 *5*; εM+=0.02209 *15*
(5026 *18*)	556.55	0.50 *15*	0.50 *15*	6.74 *13*	1.0 *3*	av Eβ=1810.5 *83*; εK=0.408 *3*; εL=0.0693 *5*; εM+=0.02199 *15*
(5047 *18*)	535.82	0.52 *8*	0.52 *8*	6.73 *7*	1.04 *16*	av Eβ=1820.0 *83*; εK=0.405 *3*; εL=0.0688 *5*; εM+=0.02183 *15*
(5111 *18*)	471.56	2.0 *4*	1.8 *3*	6.19 *8*	3.8 *7*	av Eβ=1849.4 *83*; εK=0.396 *3*; εL=0.0672 *5*; εM+=0.02132 *15*
(5208 *18*)	375.30	2.0 *11*	1.7 *10*	6.24 *25*	3.7 *21*	av Eβ=1893.7 *83*; εK=0.382 *3*; εL=0.0649 *5*; εM+=0.02058 *14*
(5210 *18*)	373.16	1.4 *4*	1.3 *4*	6.37 *13*	2.7 *8*	av Eβ=1894.6 *83*; εK=0.382 *3*; εL=0.0648 *5*; εM+=0.02056 *14*
(5269 *18*)	314.25	0.7 *5*	0.6 *4*	6.7 *3*	1.3 *9*	av Eβ=1921.7 *83*; εK=0.3738 *25*; εL=0.0634 *5*; εM+=0.02012 *14*
(5284 *18*)	298.82	2.5 *8*	2.1 *7*	6.17 *15*	4.6 *15*	av Eβ=1928.9 *83*; εK=0.3717 *25*; εL=0.0631 *5*; εM+=0.02001 *14*
(5293 *18*)	289.60	0.71 *16*	0.59 *14*	6.72 *10*	1.3 *3*	av Eβ=1933.1 *83*; εK=0.3704 *25*; εL=0.0629 *5*; εM+=0.01994 *14*
(5433 *18*)	149.77	2.6 *13*	2.0 *9*	6.21 *21*	4.6 *22*	av Eβ=1997.5 *83*; εK=0.3519 *24*; εL=0.0597 *4*; εM+=0.01893 *13*
(5487 *18*)	96.11	5 *2*	3 *2*	5.99 *22*	8 *4*	av Eβ=2022.3 *83*; εK=0.3450 *23*; εL=0.0585 *4*; εM+=0.01855 *13*
(5498 *18*)	84.66	5 *4*	4 *3*	5.9 *4*	9 *7*	av Eβ=2027.5 *83*; εK=0.3436 *23*; εL=0.0583 *4*; εM+=0.01847 *13*
(5548 *18*)	34.57	<5.9	<4.1	>5.9	<10	av Eβ=2050.7 *84*; εK=0.3373 *23*; εL=0.0572 *4*; εM+=0.01813 *13*

† Calculated from intensity balance, assigning 1/2I$\gamma\pm$1/2Iγ to transitions with uncertain placements. Significant unplaced intensity casts doubt on the weaker branchings and their derived log *ft* values.

‡ Absolute intensity per 100 decays.

γ(^{183}Pt)

Iγ normalization: calculated assuming Σ (I(γ+ce) to g.s.+34.5)=95% 5, based on expectation of negligible β feeding to g.s. (ΔJ=2, $\Delta\pi$=No) and <10% feeding to 34.5 level; the latter assumes comparable feeding to the 7/2$^-$, 5/2$^-$ and 3/2$^-$ members of the 1/2[521] band in ^{183}Pt. 0.5I$\gamma\pm$0.5Iγ was assumed for tentatively-placed transitions feeding the g.s. and 35 level. Note that the unplaced intensity is consistent with no net feeding to the lower-lying levels.

E_γ[‡]	I_γ[‡a]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[#]	δ[@]	α[†]	$I_{(\gamma+ce)}$[a]	Comments
11.4 *2*	[&]	96.11	5/2$^-$	84.66	3/2$^-$	[E2]		4.3×10^4 *4*	≈150	ce(M)/(γ+ce)=0.78 *5* ce(N)/(γ+ce)=0.189 *23*; ce(O)/(γ+ce)=0.029 *4*; ce(P)/(γ+ce)=1.91×10^{-5} *25* α(M)=3.4×10^4 *4*; α(N)=8.1×10^3 *8*; α(O)=1.24×10^3 *12*; α(P)=0.82 *7*
35.0		34.57	7/2$^-$	0.0	1/2$^-$	M3		1.713×10^5		α(L)=1.212×10^5 *17*; α(M)=3.86×10^4 *6* α(N)=9.87×10^3 *14*; α(O)=1555 *22*; α(P)=27.3 *4* Eγ: from 2000Ro41 conversion electron data. Mult.: from Adopted Gammas.
46.1 *2*	1.20 *18*	195.76	(9/2)$^+$	149.77	(9/2)$^-$	[E1]		0.659 *13*		α(L)=0.507 *10*; α(M)=0.1191 *22* α(N)=0.0286 *6*; α(O)=0.00455 *9*; α(P)=0.000153 *3*
48.0 *2*	2.2 *3*	243.54	(11/2)$^+$	195.76	(9/2)$^+$	M1(+E2)	0.27 *8*	19 *6*		α(L)=14 *4*; α(M)=3.5 *11* α(N)=0.9 *3*; α(O)=0.14 *4*; α(P)=0.00508 *21* Mult.,δ: from L1:L2:L3=240 *50*:180 *40*:130 *30* (2000Ro41). α: consistent with $\alpha\approx$15 from I(γ+ce)=35 *5* assuming intensity balance through the 243 level (for which the ΔJ=3, $\Delta\pi$=yes ε feeding is presumed to be negligible) and measured Iγ=2.2 *3*.
84.6 *1*	51 *8*	84.66	3/2$^-$	0.0	1/2$^-$	E2		9.93		α(K)=0.738 *11*; α(L)=6.90 *11*; α(M)=1.79 *3* α(N)=0.435 *7*; α(O)=0.0676 *11*; α(P)=0.0001343 *20* %Iγ=3.5 *4* assuming recommended normalization. Mult.: L12:L3=70:71, α(L3)exp=3.0 (1984Ma41); L1:L2:L3=100 *30*:1600 *300*:1500 *300* so δ(M1,E2)>3 (2000Ro41).
[x]87.2 *2*	1.50 *23*									
96.0 *1*	44 *7*	96.11	5/2$^-$	0.0	1/2$^-$	E2		5.80		α(K)=0.736 *11*; α(L)=3.81 *6*; α(M)=0.984 *15* α(N)=0.240 *4*; α(O)=0.0373 *6*; α(P)=9.65×10^{-5} *14* %Iγ=3.0 *5* assuming recommended normalization. Mult.: α(L3)exp=2.3 (1984Ma41); K:L3=390 *80*:900 *250* (2000Ro41). δ(E2,M1)>4.0 (2000Ro41).

γ(^{183}Pt) (continued)

E_γ[‡]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	δ[@]	α[†]	Comments
98.5 *2*	0.61 *9*	471.56	(7/2)$^-$	373.16	(7/2)$^-$	[M1,E2]		6.1 *9*	α(K)=3 *3*; α(L)=2.2 *13*; α(M)=0.5 *4* α(N)=0.13 *8*; α(O)=0.021 *12*; α(P)=0.0004 *3*
115.2 *1*	27 *4*	149.77	(9/2)$^-$	34.57	7/2$^-$	M1+E2		3.6 *9*	α(K)=2.1 *16*; α(L)=1.1 *6*; α(M)=0.28 *14* α(N)=0.07 *4*; α(O)=0.011 *5*; α(P)=0.00024 *18* %Iγ=1.9 *3* assuming recommended normalization. Mult.: from Adopted Gammas. E2+M1, δ=3 *+7−1* from α(L3)exp=0.63 (1984Ma41) and α(K)exp=0.9 *3* (2000Ro41); δ is inconsistent with that from (HI,xnγ) but α(K)exp and α(L)exp do establish Δπ=No.
123.9 *1*	11.0 *17*	471.56	(7/2)$^-$	347.62	(5/2)$^-$	M1(+E2)	<0.65	3.38 *24*	α(K)=2.6 *4*; α(L)=0.59 *10*; α(M)=0.14 *3* α(N)=0.035 *7*; α(O)=0.0060 *10*; α(P)=0.00030 *5* Mult.: α(K)exp=3.0 *8* (2000Ro41).
140 *1*	3.8 *6*	289.60	(11/2)$^-$	149.77	(9/2)$^-$	(M1+E2)		1.9 *7*	α(K)=1.2 *9*; α(L)=0.51 *17*; α(M)=0.13 *5* α(N)=0.031 *12*; α(O)=0.0051 *16*; α(P)=0.00014 *11* Mult.: from Adopted Gammas.
155.9 *2*	7.3 *11*	531.50	(9/2)$^+$	375.30	(7/2)$^+$	[M1,E2]		1.4 *5*	α(K)=0.9 *7*; α(L)=0.34 *8*; α(M)=0.083 *25* α(N)=0.020 *6*; α(O)=0.0034 *8*; α(P)=0.00010 *8*
161.2 *1*	160 *24*	195.76	(9/2)$^+$	34.57	7/2$^-$	E1		0.1208	α(K)=0.0987 *14*; α(L)=0.01700 *24*; α(M)=0.00393 *6* α(N)=0.000960 *14*; α(O)=0.0001645 *24*; α(P)=8.36×10^{-6} *12* Additional information 1. %Iγ=11.0 *17* assuming recommended normalization. Mult.: α(K)exp=0.69 (1984Ma41) for anomalous E1 transition, λ=58 *9*. α(theory)=0.1208.
162.6 *1*	12.0 *18*	535.82	(9/2$^-$)	373.16	(7/2)$^-$				
164.7 *2*	3.5 *5*	636.29	(7/2$^+$,9/2,11/2$^-$)	471.56	(7/2)$^-$				
179.5 *1*	79 *12*	375.30	(7/2)$^+$	195.76	(9/2)$^+$	M1		1.264	α(K)=1.041 *15*; α(L)=0.1715 *25*; α(M)=0.0396 *6* α(N)=0.00981 *14*; α(O)=0.001765 *25*; α(P)=0.0001190 *17* Mult.: α(K)exp≈1.4 (1984Ma41).
^{x}191.1 *2*	0.86 *13*								
202.6 *1*	13.0 *20*	298.82	7/2$^-$	96.11	5/2$^-$	[M1,E2]		0.6 *3*	α(K)=0.5 *3*; α(L)=0.129 *7*; α(M)=0.031 *4* α(N)=0.0077 *8*; α(O)=0.00130 *5*; α(P)=5.E−5 *4*
214.1 *1*	100 *15*	298.82	7/2$^-$	84.66	3/2$^-$	E2		0.286	α(K)=0.1431 *21*; α(L)=0.1074 *16*; α(M)=0.0273 *4* α(N)=0.00668 *10*; α(O)=0.001067 *15*; α(P)=1.377×10^{-5} *20* Mult.: α(K)exp=0.14 (1984Ma41).
218.1 *1*	58 *9*	314.25	9/2$^-$	96.11	5/2$^-$	E2		0.268	α(K)=0.1365 *20*; α(L)=0.0995 *14*; α(M)=0.0253 *4* α(N)=0.00619 *9*; α(O)=0.000989 *14*; α(P)=1.317×10^{-5} *19* Mult.: α(K)exp≈0.22 (1984Ma41).
221 *1*	≈1.1[&]	535.82	(9/2$^-$)	314.25	9/2$^-$				
223 *1*	≈1.9[&]	373.16	(7/2)$^-$	149.77	(9/2)$^-$	[M1,E2]		0.47 *22*	α(K)=0.35 *22*; α(L)=0.0921 *23*; α(M)=0.0223 *9* α(N)=0.00549 *20*; α(O)=0.00093 *4*; α(P)=4.E−5 *3*
246.2 *2*	1.30 *20*	535.82	(9/2$^-$)	289.60	(11/2)$^-$				
251.4 *1*	21 *3*	347.62	(5/2)$^-$	96.11	5/2$^-$	[M1,E2]		0.33 *17*	α(K)=0.25 *16*; α(L)=0.061 *6*; α(M)=0.0148 *7* α(N)=0.00364 *19*; α(O)=0.00062 *7*; α(P)=2.8×10^{-5} *19*

γ(^{183}Pt) (continued)

$E_γ$[‡]	$I_γ$[‡a]	E_i(level)	$J^π_i$	E_f	$J^π_f$	Mult.[#]	δ[@]	α[†]	Comments
255.0 1	10.5 16	289.60	(11/2)$^-$	34.57	7/2$^-$	(E2)		0.1620	α(K)=0.0919 13; α(L)=0.0529 8; α(M)=0.01337 19 α(N)=0.00327 5; α(O)=0.000528 8; α(P)=9.05×10^{-6} 13 Mult.: from Adopted Gammas.
262.8 1	16.0 24	347.62	(5/2)$^-$	84.66	3/2$^-$				
269.8 2	6.5 10	617.40	(5/2)$^-$	347.62	(5/2)$^-$				
[x]273.0 2	1.7 3								
[x]275.6 2	5.4 8								
277.0 1	13.0 20	373.16	(7/2)$^-$	96.11	5/2$^-$	[M1+E2]	0.25 13	0.365 18	α(K)=0.299 17; α(L)=0.0504 12; α(M)=0.01169 22 α(N)=0.00289 6; α(O)=0.000518 13; α(P)=3.39×10^{-5} 20
288.1 1	25 4	531.50	(9/2)$^+$	243.54	(11/2)$^+$	[M1,E2]		0.23 12	α(K)=0.17 11; α(L)=0.039 7; α(M)=0.0094 12 α(N)=0.0023 3; α(O)=0.00040 8; α(P)=1.9×10^{-5} 13
[x]289.7 2	2.3 3								
297.1[c] 2	0.83 12	611.39		314.25	9/2$^-$				
[x]299.2 2	1.8 3								
302.8[c] 2	0.41 6	617.40	(5/2)$^-$	314.25	9/2$^-$				
312.6 2	5.3 8	611.39		298.82	7/2$^-$				
313.1 1	85 13	347.62	(5/2)$^-$	34.57	7/2$^-$	M1+E2	0.5 3	0.23 4	α(K)=0.19 4; α(L)=0.0341 25; α(M)=0.0080 5 α(N)=0.00197 12; α(O)=0.00035 3; α(P)=2.1×10^{-5} 4 Mult.: I(ce(K))(312.6+313.1)=17.0 so α(K)exp=0.20 4 for doublet dominated by this transition.
321.5 2	8.2 12	471.56	(7/2)$^-$	149.77	(9/2)$^-$				
329.3 2	≈3.7[&]	702.37	(7/2)$^-$	373.16	(7/2)$^-$				
335.8 2	8.0 12	531.50	(9/2)$^+$	195.76	(9/2)$^+$				
338.5 1	50 8	373.16	(7/2)$^-$	34.57	7/2$^-$	E2+M1	1.2 3	0.131 22	α(K)=0.101 20; α(L)=0.0228 17; α(M)=0.0055 4 α(N)=0.00134 9; α(O)=0.000232 18; α(P)=1.12×10^{-5} 23 %Iγ=3.4 6 assuming recommended normalization. Mult.: I(ce(K))=5.3 so α(K)exp=0.106 22.
354.4 2	2.9 4	702.37	(7/2)$^-$	347.62	(5/2)$^-$				
355.4 2	5.1 8	730.78	(≥5/2)$^+$	375.30	(7/2)$^+$				
362.0 2	1.60 24	930.53	$^-$	568.70	(1/2)$^-$				
[x]366.1 2	1.10 17								
375.6 2	1.7 3	471.56	(7/2)$^-$	96.11	5/2$^-$				
379.5 2	≈3.6[&]	678.46	(3/2,5/2)$^-$	298.82	7/2$^-$				
[x]381.7 2	1.00 15								
386.3 2	0.75 11	535.82	(9/2$^-$)	149.77	(9/2)$^-$				
388.5[c] 2	2.2 3	762.05	(5/2)$^-$	373.16	(7/2)$^-$				
[x]389.9 2	0.65 10								
392.8 2	1.40 21	636.29	(7/2$^+$,9/2,11/2$^-$)	243.54	(11/2)$^+$				
394.0 2	2.2 3	693.02	(3/2,5/2)$^-$	298.82	7/2$^-$				
[x]401.9 2	1.9 3								
[x]424.2 2	1.60 24								
428.8 2	3.8 6	801.85	(3/2,5/2,7/2)$^-$	373.16	(7/2)$^-$				

$\gamma(^{183}Pt)$ (continued)

E_γ ‡	I_γ ‡a	E_i(level)	J^π_i	E_f	J^π_f	Mult.#	δ@	α†	Comments
x429.5 *2*	2.7 *4*								
437.1 *2*	7.6 *11*	471.56	(7/2)$^-$	34.57	7/2$^-$	E2+M1	1.2 *6*	0.066 *25*	α(K)=0.052 *22*; α(L)=0.0105 *24*; α(M)=0.0025 *6* α(N)=0.00062 *13*; α(O)=0.000107 *25*; α(P)=6.E−6 *3* Mult.: I(ce(K))=0.4 so α(K)exp=0.053 *11*.
463.1 *2*	4.3 *6*	762.05	(5/2)$^-$	298.82	7/2$^-$	M1+E2	0.9 *3*	0.066 *12*	α(K)=0.053 *11*; α(L)=0.0098 *12*; α(M)=0.0023 *3* α(N)=0.00057 *7*; α(O)=0.000100 *13*; α(P)=5.9×10^{-6} *12* Mult.: I(ce(K))=0.24 so α(K)exp=0.056 *12*.
467.3 *2*	1.30 *20*	998.42	(≥7/2)	531.50	(9/2)$^+$				
471.8 *2*	6.6 *10*	556.55	3/2$^-$	84.66	3/2$^-$	M1		0.0908	α(K)=0.0751 *11*; α(L)=0.01210 *17*; α(M)=0.00279 *4* α(N)=0.000690 *10*; α(O)=0.0001243 *18*; α(P)=8.45×10^{-6} *12* Mult.: I(ce(K))=0.55 so α(K)exp=0.083 *17*.
477.1 *2*	2.3 *3*	824.82	(5/2,7/2,9/2)$^-$	347.62	(5/2)$^-$				
484.1 *1*	15.0 *23*	568.70	(1/2)$^-$	84.66	3/2$^-$	M1+E2	0.8 *3*	0.062 *11*	α(K)=0.050 *10*; α(L)=0.0090 *12*; α(M)=0.00211 *25* α(N)=0.00052 *6*; α(O)=9.2×10^{-5} *12*; α(P)=5.6×10^{-6} *12* Mult.: I(ce(K))=0.78 so α(K)exp=0.052 *11*.
x486.0 *2*	1.7 *3*								
505.7 *2*	2.4 *4*	819.89	(7/2,9/2)$^-$	314.25	9/2$^-$	M1+E2	0.7 *3*	0.059 *10*	α(K)=0.048 *9*; α(L)=0.0083 *11*; α(M)=0.00194 *23* α(N)=0.00048 *6*; α(O)=8.5×10^{-5} *11*; α(P)=5.3×10^{-6} *10* Mult.: I(ce(K))=0.12 so α(K)exp=0.050 *11*.
517.0 *2*	8.7 *13*	613.16	(3/2,5/2)$^-$	96.11	5/2$^-$	M1+E2	0.4 *+3−4*	0.065 *10*	α(K)=0.053 *8*; α(L)=0.0088 *10*; α(M)=0.00203 *22* α(N)=0.00050 *6*; α(O)=9.0×10^{-5} *10*; α(P)=6.0×10^{-6} *10* Mult.: I(ce(K))=0.5 so α(K)exp=0.057 *12*.
521.0 *2*	9.3 *14*	819.89	(7/2,9/2)$^-$	298.82	7/2$^-$	M1+E2	0.9 *3*	0.049 *9*	α(K)=0.039 *8*; α(L)=0.0071 *9*; α(M)=0.00166 *20* α(N)=0.00041 *5*; α(O)=7.2×10^{-5} *10*; α(P)=4.4×10^{-6} *9* Mult.: I(ce(K))=0.37 so α(K)exp=0.040 *8*.
x524.1 *2*	1.8 *3*								
526.1 *2*	7.5 *11*	824.82	(5/2,7/2,9/2)$^-$	298.82	7/2$^-$	M1+E2	≈0.4	≈0.0618	α(K)≈0.0509; α(L)≈0.00840; α(M)≈0.00194 α(N)≈0.000480; α(O)≈8.61×10^{-5}; α(P)≈5.70×10^{-6} Mult.: I(ce(K))≈0.4 so α(K)exp=0.053 *11*.
x528.5 *2*	4.3 *6*								
533.1b *2*	≈9.4b&	617.40	(5/2)$^-$	84.66	3/2$^-$	E2(+M1)		0.044 *23*	α(K)=0.035 *20*; α(L)=0.0064 *24*; α(M)=0.0015 *6* α(N)=0.00037 *13*; α(O)=6.5×10^{-5} *25*; α(P)=3.9×10^{-6} *23* Mult.: I(ce(K))=0.34 so α(K)exp≈0.036, consistent with significant E2 admixture in both members of doubly placed line.
533.1b *2*	≈5.0b&	847.35	(7/2,9/2,11/2)$^-$	314.25	9/2$^-$	E2+M1		0.044 *23*	α(K)=0.035 *20*; α(L)=0.0064 *24*; α(M)=0.0015 *6* α(N)=0.00037 *13*; α(O)=6.5×10^{-5} *25*; α(P)=3.9×10^{-6} *23* Mult.: see comment on 533γ from 617 level.
535.1 *2*	13.5 *20*	730.78	(≥5/2)$^+$	195.76	(9/2)$^+$	E2		0.0210	α(K)=0.01574 *22*; α(L)=0.00403 *6*; α(M)=0.000974 *14* α(N)=0.000239 *4*; α(O)=4.07×10^{-5} *6*; α(P)=1.661×10^{-6} *24* Mult.: I(ce(K))=0.2 so α(K)exp=0.015 *3*.

γ(^{183}Pt) (continued)

Eγ[‡]	Iγ[‡a]	Ei(level)	J^π_i	E_f	J^π_f	Mult.[#]	δ[@]	α[†]	Comments
536.2 2	3.6 5	835.38	(3/2,5/2)⁻	298.82	7/2⁻				
553.7 2	4.1 6	650.17	(3/2)⁻	96.11	5/2⁻				
556.7[b] 2	≈39[b&]	556.55	3/2⁻	0.0	1/2⁻	M1+E2	1.3 4	0.034 8	α(K)=0.027 7; α(L)=0.0052 8; α(M)=0.00121 17 α(N)=0.00030 5; α(O)=5.3×10^{-5} 8; α(P)=3.0×10^{-6} 8 Mult.,δ: I(ce(K))≈1.6 so α(K)exp≈0.041 9 for doublet. δ calculated assuming other member of doublet is E1.
556.7[b] 2	≈10[b&]	931.94	(7/2,9/2)⁻	375.30	(7/2)⁺	[E1]		0.00660	α(K)=0.00551 8; α(L)=0.000842 12; α(M)=0.000193 3 α(N)=4.74×10^{-5} 7; α(O)=8.40×10^{-6} 12; α(P)=5.28×10^{-7} 8
[x]558.4 2	5.7 9								
[x]561.3 2	1.10 17								
565.6 1	17 3	650.17	(3/2)⁻	84.66	3/2⁻	E2+M1	1.3 +4−3	0.033 5	α(K)=0.026 5; α(L)=0.0049 6; α(M)=0.00116 12 α(N)=0.00029 3; α(O)=5.0×10^{-5} 6; α(P)=2.9×10^{-6} 5 Mult.: I(ce(K))=0.46 so α(K)exp=0.027 6.
571.3 2	4.1 6	919.00	(3/2,5/2,7/2)⁻	347.62	(5/2)⁻	E2+M1	1.5 +6−3	0.029 5	α(K)=0.023 4; α(L)=0.0045 5; α(M)=0.00107 11 α(N)=0.00026 3; α(O)=4.6×10^{-5} 6; α(P)=2.6×10^{-6} 5 Mult.: I(ce(K))=0.1 so α(K)exp=0.024 5.
581.1 2	9.0 14	879.66	(7/2⁻,9/2⁻)	298.82	7/2⁻				
582.8[bc] 2	≈24[b&]	617.40	(5/2)⁻	34.57	7/2⁻	E2+M1	2 1	0.024 11	α(K)=0.019 9; α(L)=0.0039 12; α(M)=0.0009 3 α(N)=0.00023 7; α(O)=4.0×10^{-5} 12; α(P)=2.1×10^{-6} 11 Mult.: I(ce(K))=0.73 so α(K)exp=0.078 16 (cf. α=0.024 11) for doubly-placed line.
582.8[b] 2	≈7.0[b&]	930.53	⁻	347.62	(5/2)⁻				
593.8 2	20 3	678.46	(3/2,5/2)⁻	84.66	3/2⁻	E2		0.01648	α(K)=0.01258 18; α(L)=0.00298 5; α(M)=0.000716 10 α(N)=0.0001761 25; α(O)=3.01×10^{-5} 5; α(P)=1.331×10^{-6} 19 Mult.: I(ce(K))=0.24 so α(K)exp=0.0120 25.
595.1 2	2.1 3	1126.38		531.50	(9/2)⁺				
596.9 2	24 4	693.02	(3/2,5/2)⁻	96.11	5/2⁻	E2+M1	3 +2−1	0.020 4	α(K)=0.015 3; α(L)=0.0033 4; α(M)=0.00078 8 α(N)=0.000193 20; α(O)=3.3×10^{-5} 4; α(P)=1.6×10^{-6} 4 Mult.: I(ce(K))=0.38 so α(K)exp=0.016 3.
601.7[c] 2	2.2 3	636.29	(7/2⁺,9/2,11/2⁻)	34.57	7/2⁻				
606.5 2	29 4	702.37	(7/2)⁻	96.11	5/2⁻	E2+M1	1.5 +5−3	0.025 4	α(K)=0.020 3; α(L)=0.0039 4; α(M)=0.00091 9 α(N)=0.000224 21; α(O)=3.9×10^{-5} 4; α(P)=2.2×10^{-6} 4 Mult.: I(ce(K))=0.6 so α(K)exp=0.021 4.
608.3 2	7.6 11	693.02	(3/2,5/2)⁻	84.66	3/2⁻				
612.5 2	5.2 8	762.05	(5/2)⁻	149.77	(9/2)⁻	(E2)		0.01536	α(K)=0.01178 17; α(L)=0.00273 4; α(M)=0.000655 10 α(N)=0.0001611 23; α(O)=2.76×10^{-5} 4; α(P)=1.247×10^{-6} 18 Mult.: I(ce(K))(612.5+613.2+614.5)=0.15 so α(K)exp(triplet)=0.029 6, consistent with all three triplet partners being E2.

γ(^{183}Pt) (continued)

E_γ[‡]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	δ[@]	α[†]	Comments
613.2[c] *2*	7.7 *12*	613.16	(3/2,5/2)$^-$	0.0	1/2$^-$	(E2)		0.01532	α(K)=0.01176 *17*; α(L)=0.00272 *4*; α(M)=0.000653 *10* α(N)=0.0001606 *23*; α(O)=2.75×10^{-5} *4*; α(P)=1.244×10^{-6} *18* Mult.: see comment on 612.5γ.
614.5 *2*	3.8 *6*	989.81	($^+$)	375.30	(7/2)$^+$	(E2)		0.01525	α(K)=0.01170 *17*; α(L)=0.00271 *4*; α(M)=0.000649 *10* α(N)=0.0001596 *23*; α(O)=2.74×10^{-5} *4*; α(P)=1.239×10^{-6} *18* Mult.: see comment on 612.5γ.
617.4 *2*	5.8 *9*	931.94	(7/2,9/2)$^-$	314.25	9/2$^-$	M1+E2	0.8 *+4−3*	0.033 *6*	α(K)=0.027 *6*; α(L)=0.0047 *7*; α(M)=0.00109 *15* α(N)=0.00027 *4*; α(O)=4.8×10^{-5} *7*; α(P)=3.0×10^{-6} *6* Mult.: I(ce(K))=0.17 so α(K)exp=0.029 *6*.
623.1 *2*	3.4 *5*	998.42	(≥7/2)	375.30	(7/2)$^+$				
631 *1*	≈1.0	978.43	(7/2)$^-$	347.62	(5/2)$^-$				
649.9 *2*	5.8 *9*	963.79	(7/2,9/2,11/2)$^-$	314.25	9/2$^-$	M1(+E2)	<1	0.033 *7*	α(K)=0.027 *6*; α(L)=0.0045 *8*; α(M)=0.00104 *17* α(N)=0.00026 *4*; α(O)=4.6×10^{-5} *8*; α(P)=3.0×10^{-6} *7* Mult.: I(ce(K))(649.9+651.3)=0.42 so α(K)exp=0.072 *15*; consistent with mostly M1 in both components of doublet.
651.3 *2*	7.3 *11*	1024.57	(5/2,7/2,9/2)$^-$	373.16	(7/2)$^-$	M1(+E2)	<1	0.033 *7*	α(K)=0.027 *6*; α(L)=0.0045 *8*; α(M)=0.00103 *16* α(N)=0.00025 *4*; α(O)=4.6×10^{-5} *8*; α(P)=3.0×10^{-6} *7* Mult.: see comment on 649.9γ.
664.6 *2*	2.2 *3*	963.79	(7/2,9/2,11/2)$^-$	298.82	7/2$^-$				
666.1 *2*	2.2 *3*	762.05	(5/2)$^-$	96.11	5/2$^-$				
^{x}667.7 *2*	4.5 *7*								
677.5 *2*	8.1 *12*	762.05	(5/2)$^-$	84.66	3/2$^-$				
678.6[c] *2*	3.0 *5*	678.46	(3/2,5/2)$^-$	0.0	1/2$^-$				
684.8 *2*	3.6 *5*	1057.97		373.16	(7/2)$^-$				
693.3[c] *2*	2.1 *3*	693.02	(3/2,5/2)$^-$	0.0	1/2$^-$				
696.1 *2*	10.0 *15*	1071.28	(5/2,7/2)$^-$	375.30	(7/2)$^+$	D			Mult.: I(ce(K))≈0.3, but includes an Ir contaminant line, so α(K)exp<0.03, consistent with E1 or M1; level scheme requires E1.
^{x}700.1 *2*	3.2 *5*								
^{x}702.1[c] *2*	7.0 *11*								E_γ: placed by 1989Ro21 from the 702 level. However, that placement is inconsistent with the level′s adopted assignment as the J=7/2 member of the 3/2[512] rotational band.
705.8 *2*	7.1 *11*	801.85	(3/2,5/2,7/2)$^-$	96.11	5/2$^-$				
717.0 *2*	4.9 *7*	801.85	(3/2,5/2,7/2)$^-$	84.66	3/2$^-$	E2		0.01085	α(K)=0.00851 *12*; α(L)=0.00179 *3*; α(M)=0.000425 *6* α(N)=0.0001046 *15*; α(O)=1.81×10^{-5} *3*; α(P)=9.01×10^{-7} *13* Mult.: I(ce(K))≈0.03 so α(K)exp=0.0061 *13*; a little low for E2, but an E1 assignment would be inconsistent with level scheme.

γ(^{183}Pt) (continued)

E_γ[‡]	I_γ[‡a]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[#]	δ[@]	α[†]	Comments
[x]723.2 *2*	5.4 *8*								
727.5[c] *2*	9.1 *14*	762.05	(5/2)$^-$	34.57	7/2$^-$	M1(+E2)	<2	0.022 *8*	α(K)=0.018 *7*; α(L)=0.0030 *9*; α(M)=0.00070 *20* α(N)=0.00017 *5*; α(O)=3.1×10^{-5} *9*; α(P)=2.0×10^{-6} *8* Mult.: I(ce(K))(727.5+729.6)=0.26 so α(K)exp=0.029 *6* for doublet, consistent with M1 component in this, the more intense member of doublet.
729.6 *2*	6.0 *9*	879.66	(7/2$^-$,9/2$^-$)	149.77	(9/2)$^-$	(E2+M1)		0.020 *10*	α(K)=0.016 *8*; α(L)=0.0028 *11*; α(M)=0.00065 *24* α(N)=0.00016 *6*; α(O)=2.8×10^{-5} *12*; α(P)=1.8×10^{-6} *10* Mult.: see comment on 727.5γ.
736.1 *2*	4.3 *6*	1035.04	(7/2,9/2)$^-$	298.82	7/2$^-$	M1+E2	0.7 *+5−4*	0.023 *5*	α(K)=0.019 *4*; α(L)=0.0031 *6*; α(M)=0.00071 *13* α(N)=0.00018 *3*; α(O)=3.1×10^{-5} *6*; α(P)=2.1×10^{-6} *5* Mult.: I(ce(K))=0.08 so α(K)exp=0.019 *4*.
739.4 *2*	15.0 *23*	835.38	(3/2,5/2)$^-$	96.11	5/2$^-$	M1+E2	0.7 *+5−4*	0.022 *5*	α(K)=0.018 *4*; α(L)=0.0030 *6*; α(M)=0.00070 *13* α(N)=0.00017 *3*; α(O)=3.1×10^{-5} *6*; α(P)=2.0×10^{-6} *5* Mult.: I(ce(K))=0.28 so α(K)exp=0.019 *4*.
745.5 *2*	1.20 *18*	1035.04	(7/2,9/2)$^-$	289.60	(11/2)$^-$				
[x]749.9 *2*	9.3 *14*					E2		0.00986	α(K)=0.00778 *11*; α(L)=0.001593 *23*; α(M)=0.000378 *6* α(N)=9.30×10^{-5} *13*; α(O)=1.614×10^{-5} *23*; α(P)=8.23×10^{-7} *12* Mult.: I(ce(K))(749.9+751.0)=0.08, α(K)exp=0.0086 *18* consistent with pure E2 and pure E1 for the respective transitions.
[x]751.0 *2*	5.5 *8*					E1		0.00362	α(K)=0.00304 *5*; α(L)=0.000454 *7*; α(M)=0.0001036 *15* α(N)=2.55×10^{-5} *4*; α(O)=4.55×10^{-6} *7*; α(P)=2.95×10^{-7} *5* Mult.: see comment on 749.9γ.
753.0 *2*	2.3 *3*	1126.38		373.16	(7/2)$^-$				
754.5[c] *2*	2.3 *3*	998.42	(≥7/2)	243.54	(11/2)$^+$				
[x]756.5 *2*	2.3 *3*								
[x]784.6 *2*	4.3 *6*								
[x]798.6 *2*	2.6 *4*								
[x]802.8 *2*	4.3 *6*								
828.7 *2*	4.1 *6*	978.43	(7/2)$^-$	149.77	(9/2)$^-$	M1+E2	1.0 *+8−4*	0.015 *4*	α(K)=0.012 *3*; α(L)=0.0020 *4*; α(M)=0.00046 *10* α(N)=0.000115 *23*; α(O)=2.0×10^{-5} *5*; α(P)=1.3×10^{-6} *4* Mult.: I(ce(K))=0.05 so α(K)exp=0.012 *3*.
835.6[c] *2*	2.7 *4*	835.38	(3/2,5/2)$^-$	0.0	1/2$^-$				
845.1[c] *2*	4.1 *6*	879.66	(7/2$^-$,9/2$^-$)	34.57	7/2$^-$	E2(+M1)	>2	0.0089 *13*	α(K)=0.0072 *11*; α(L)=0.00133 *15*; α(M)=0.00031 *4* α(N)=7.7×10^{-5} *9*; α(O)=1.35×10^{-5} *16*; α(P)=7.7×10^{-7} *12* Mult.: I(ce(K))=0.03 so α(K)exp=0.0073 *15*.
[x]852.4 *2*	2.7 *4*								
[x]857.5 *2*	2.5 *4*								
[x]876.4 *2*	2.8 *4*								

$^{183}_{78}Pt_{105}$-11

γ(^{183}Pt) (continued)

Eγ[‡]	Iγ[‡a]	Ei(level)	$J^π_i$	Ef	$J^π_f$	Mult.[#]	δ[@]	α[†]	Comments
884.5[c] 2	6.5 10	919.00	(3/2,5/2,7/2)⁻	34.57	7/2⁻	E2(+M1)	>2	0.0081 11	α(K)=0.0065 10; α(L)=0.00119 13; α(M)=0.00028 3 α(N)=6.9×10⁻⁵ 8; α(O)=1.21×10⁻⁵ 14; α(P)=7.0×10⁻⁷ 11 Mult.: I(ce(K))=0.04 so α(K)exp=0.0062 13.
897.6[c] 2	1.10 17	931.94	(7/2,9/2)⁻	34.57	7/2⁻				
899.6[c] 2	3.4 5	1970.71	(7/2)⁻	1071.28	(5/2,7/2)⁻				
[x]904.1 2	4.1 6					M1(+E2)	<2	0.013 4	α(K)=0.011 4; α(L)=0.0017 5; α(M)=0.00040 11 α(N)=0.00010 3; α(O)=1.8×10⁻⁵ 5; α(P)=1.2×10⁻⁶ 4 Mult.: I(ce(K))=0.05 so α(K)exp=0.0120 25.
[x]909.6 2	5.0 8					M1		0.01664	α(K)=0.01381 20; α(L)=0.00218 3; α(M)=0.000501 7 α(N)=0.0001240 18; α(O)=2.24×10⁻⁵ 4; α(P)=1.533×10⁻⁶ 22 Mult.: I(ce(K))=0.1 so α(K)exp=0.020 4.
[x]913.7 2	1.50 23								
[x]915.6 2	4.2 6								
[x]919.3 2	2.4 4								
[x]928.9 2	6.3 9					E2+M1	1.5 +18−6	0.0092 24	α(K)=0.0076 20; α(L)=0.0013 3; α(M)=0.00030 7 α(N)=7.4×10⁻⁵ 16; α(O)=1.3×10⁻⁵ 3; α(P)=8.2×10⁻⁷ 23 Mult.: I(ce(K))=0.05 so α(K)exp=0.0079 17.
[x]933.7 2	4.7 7								
944.0[c] 2	3.4 5	978.43	(7/2)⁻	34.57	7/2⁻	M1		0.01515	α(K)=0.01257 18; α(L)=0.00198 3; α(M)=0.000456 7 α(N)=0.0001127 16; α(O)=2.03×10⁻⁵ 3; α(P)=1.394×10⁻⁶ 20 Mult.: I(ce(K))=0.07 so α(K)exp=0.021 4.
[x]978.7 2	3.3 5								
[x]985.2 2	2.6 4					M1		0.01359	α(K)=0.01129 16; α(L)=0.001776 25; α(M)=0.000408 6 α(N)=0.0001010 15; α(O)=1.82×10⁻⁵ 3; α(P)=1.251×10⁻⁶ 18 Mult.: I(ce(K))=0.04 so α(K)exp=0.015 3.
990.1[c] 2	2.8 4	1024.57	(5/2,7/2,9/2)⁻	34.57	7/2⁻				
[x]996.3 2	5.0 8								
1000.6[c] 3	3.9 6	1035.04	(7/2,9/2)⁻	34.57	7/2⁻				
[x]1008.0 3	3.4 5								
1010.1 3	6.8 10	1940.49	(3/2,5/2)⁻	930.53	⁻	E2+M1	1.1 +13−5	0.0087 23	α(K)=0.0072 19; α(L)=0.0012 3; α(M)=0.00027 7 α(N)=6.8×10⁻⁵ 16; α(O)=1.2×10⁻⁵ 3; α(P)=7.8×10⁻⁷ 22 Mult.: I(ce(K))=0.05 so α(K)exp=0.0074 15.

$^{183}_{78}Pt_{105}$-12

γ(^{183}Pt) (continued)

E_γ[‡]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	δ[@]	α[†]	Comments
1036.8 *3*	10.0 *15*	1071.28	(5/2,7/2)$^-$	34.57	7/2$^-$	E2(+M1)	>2	0.0058 *7*	α(K)=0.0047 *6*; α(L)=0.00082 *9*; α(M)=0.000190 *19* α(N)=4.7×10^{-5} *5*; α(O)=8.3×10^{-6} *9*; α(P)=5.0×10^{-7} *7* Mult.: I(ce(K))=0.05 so α(K)exp=0.0050 *11*.
^{x}1082.5 *3*	4.0 *6*								
1091.8[c] *3*	3.2 *5*	1126.38		34.57	7/2$^-$				
^{x}1093.0 *3*	3.0 *5*								
^{x}1128.5 *3*	5.3 *8*					M1(+E2)	<1.2	0.0081 *16*	α(K)=0.0067 *14*; α(L)=0.00107 *20*; α(M)=0.00025 *5* α(N)=6.1×10^{-5} *11*; α(O)=1.09×10^{-5} *20*; α(P)=7.3×10^{-7} *16*; α(IPF)=7.7×10^{-7} *10* Mult.: I(ce(K))=0.04 so α(K)exp=0.0075 *16*.
^{x}1138.0 *3*	3.5 *5*								
^{x}1141.6 *3*	3.8 *6*								
^{x}1156.0 *3*	7.1 *11*					E2		0.00413	α(K)=0.00337 *5*; α(L)=0.000579 *9*; α(M)=0.0001347 *19* α(N)=3.32×10^{-5} *5*; α(O)=5.88×10^{-6} *9*; α(P)=3.55×10^{-7} *5*; α(IPF)=1.365×10^{-6} *23* Mult.: I(ce(K))=0.02 so α(K)exp=0.0028 *6*.
^{x}1195.1 *3*	3.5 *5*								
^{x}1221.2 *3*	3.5 *5*								
^{x}1231.7 *3*	3.6 *5*								
^{x}1236.6 *3*	3.2 *5*								
^{x}1246.7 *3*	3.2 *5*								
^{x}1251.7 *3*	3.1 *5*					M1(+E2)	<1	0.0065 *10*	α(K)=0.0054 *9*; α(L)=0.00085 *12*; α(M)=0.00019 *3* α(N)=4.8×10^{-5} *7*; α(O)=8.7×10^{-6} *13*; α(P)=5.9×10^{-7} *10*; α(IPF)=1.39×10^{-5} *14* Mult.: I(ce(K))=0.02 so α(K)exp=0.0065 *14*.
^{x}1254.1 *3*	3.6 *5*					M1(+E2)	<2	0.0059 *16*	α(K)=0.0049 *13*; α(L)=0.00077 *19*; α(M)=0.00018 *5* α(N)=4.4×10^{-5} *11*; α(O)=7.9×10^{-6} *20*; α(P)=5.3×10^{-7} *15*; α(IPF)=1.35×10^{-5} *23* Mult.: I(ce(K))=0.02 so α(K)exp=0.0056 *12*.
^{x}1262.4 *3*	3.6 *5*								
^{x}1264.4 *3*	4.8 *7*								
^{x}1266.5 *3*	3.8 *6*								
^{x}1270.5 *3*	4.3 *6*								
^{x}1275.9 *3*	5.9 *9*								
^{x}1290.3 *3*	7.7 *12*					E2		0.00336	α(K)=0.00275 *4*; α(L)=0.000458 *7*; α(M)=0.0001062 *15* α(N)=2.62×10^{-5} *4*; α(O)=4.65×10^{-6} *7*; α(P)=2.88×10^{-7} *4*; α(IPF)=1.507×10^{-5} *22* Mult.: I(ce(K))=0.02 so α(K)exp=0.0026 *5*.
^{x}1297.4 *3*	5.8 *9*								
^{x}1345.7 *3*	4.2 *6*								
1358.2 *3*	18 *3*	1914.68	(3/2,5/2)$^-$	556.55	3/2$^-$	M1		0.00610	α(K)=0.00504 *7*; α(L)=0.000786 *11*; α(M)=0.000180 *3* α(N)=4.46×10^{-5} *7*; α(O)=8.05×10^{-6} *12*; α(P)=5.56×10^{-7} *8*;

γ(^{183}Pt) (continued)

E_γ[‡]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	δ[@]	α[†]	Comments
									α(IPF)=4.29×10^{-5} *6* Mult.: I(ce(K))=0.1 so α(K)exp=0.0056 *12*.
^{x}1360.4 *3*	3.5 *5*								
1371.9 *3*	5.9 *9*	1940.49	(3/2,5/2)$^-$	568.70	(1/2)$^-$				
1384.0 *3*	15.0 *23*	1940.49	(3/2,5/2)$^-$	556.55	3/2$^-$	E2(+M1)	>0.6	0.0040 *11*	α(K)=0.0033 *9*; α(L)=0.00053 *13*; α(M)=0.00012 *3* α(N)=3.0×10^{-5} *8*; α(O)=5.4×10^{-6} *14*; α(P)=3.5×10^{-7} *11*; α(IPF)=4.0×10^{-5} *7* Mult.: I(ce(K))=0.05 so α(K)exp=0.0033 *7*.
1406.9 *3*	12.5 *19*	1938.56	(7/2)$^-$	531.50	(9/2)$^+$	E1		1.28×10^{-3}	α(K)=0.000977 *14*; α(L)=0.0001411 *20*; α(M)=3.21×10^{-5} *5* α(N)=7.90×10^{-6} *11*; α(O)=1.420×10^{-6} *20*; α(P)=9.67×10^{-8} *14*; α(IPF)=0.0001165 *17* Mult.: I(ce(K))=0.015 so α(K)exp=0.00120 *25*.
^{x}1412.3 *3*	5.3 *8*								
^{x}1416.5 *3*	5.1 *8*								
^{x}1420.4 *3*	4.5 *7*								
1425.0 *3*	28 *4*	1956.63	(7/2)$^-$	531.50	(9/2)$^+$	E1		1.26×10^{-3}	α(K)=0.000956 *14*; α(L)=0.0001380 *20*; α(M)=3.14×10^{-5} *5* α(N)=7.73×10^{-6} *11*; α(O)=1.389×10^{-6} *20*; α(P)=9.46×10^{-8} *14*; α(IPF)=0.0001280 *18* Mult.: I(ce(K))=0.04 so α(K)exp=0.0014 *3*.
1438.8 *3*	8.7 *13*	1970.71	(7/2)$^-$	531.50	(9/2)$^+$				
^{x}1442.1 *3*	8.0 *12*								
1466.8 *3*	9.6 *14*	1814.4	(3/2,5/2,7/2)$^-$	347.62	(5/2)$^-$	M1(+E2)	<1.6	0.0042 *9*	α(K)=0.0034 *8*; α(L)=0.00054 *11*; α(M)=0.000124 *25* α(N)=3.1×10^{-5} *6*; α(O)=5.5×10^{-6} *11*; α(P)=3.8×10^{-7} *9*; α(IPF)=7.5×10^{-5} *11* Mult.: I(ce(K))=0.04 so α(K)exp=0.0042 *9*.
1484.9 *3*	12.0 *18*	1956.63	(7/2)$^-$	471.56	(7/2)$^-$	E2(+M1)	>1	0.0032 *6*	α(K)=0.0026 *5*; α(L)=0.00041 *8*; α(M)=9.5×10^{-5} *17* α(N)=2.4×10^{-5} *4*; α(O)=4.2×10^{-6} *8*; α(P)=2.8×10^{-7} *6*; α(IPF)=7.0×10^{-5} *9* Mult.: I(ce(K))=0.03 so α(K)exp=0.0025 *5*.
1496.7 *3*	12.5 *19*	1844.3	$^-$	347.62	(5/2)$^-$	E2(+M1)	>1	0.0032 *6*	α(K)=0.0026 *5*; α(L)=0.00041 *7*; α(M)=9.4×10^{-5} *16* α(N)=2.3×10^{-5} *4*; α(O)=4.1×10^{-6} *8*; α(P)=2.7×10^{-7} *6*; α(IPF)=7.4×10^{-5} *9* Mult.: I(ce(K))=0.03 so α(K)exp=0.0024 *5*.
^{x}1508.1 *3*	5.8 *9*								
1511.9 *3*	4.4 *7*	1810.7		298.82	7/2$^-$				
^{x}1527.3 *3*	9.4 *14*								
1532.2 *3*	71 *11*	1907.5	(5/2,7/2)$^-$	375.30	(7/2)$^+$	E1		1.20×10^{-3}	α(K)=0.000846 *12*; α(L)=0.0001218 *17*; α(M)=2.77×10^{-5} *4* α(N)=6.82×10^{-6} *10*; α(O)=1.226×10^{-6} *18*;

$^{183}_{78}Pt_{105}$-14

γ(^{183}Pt) (continued)

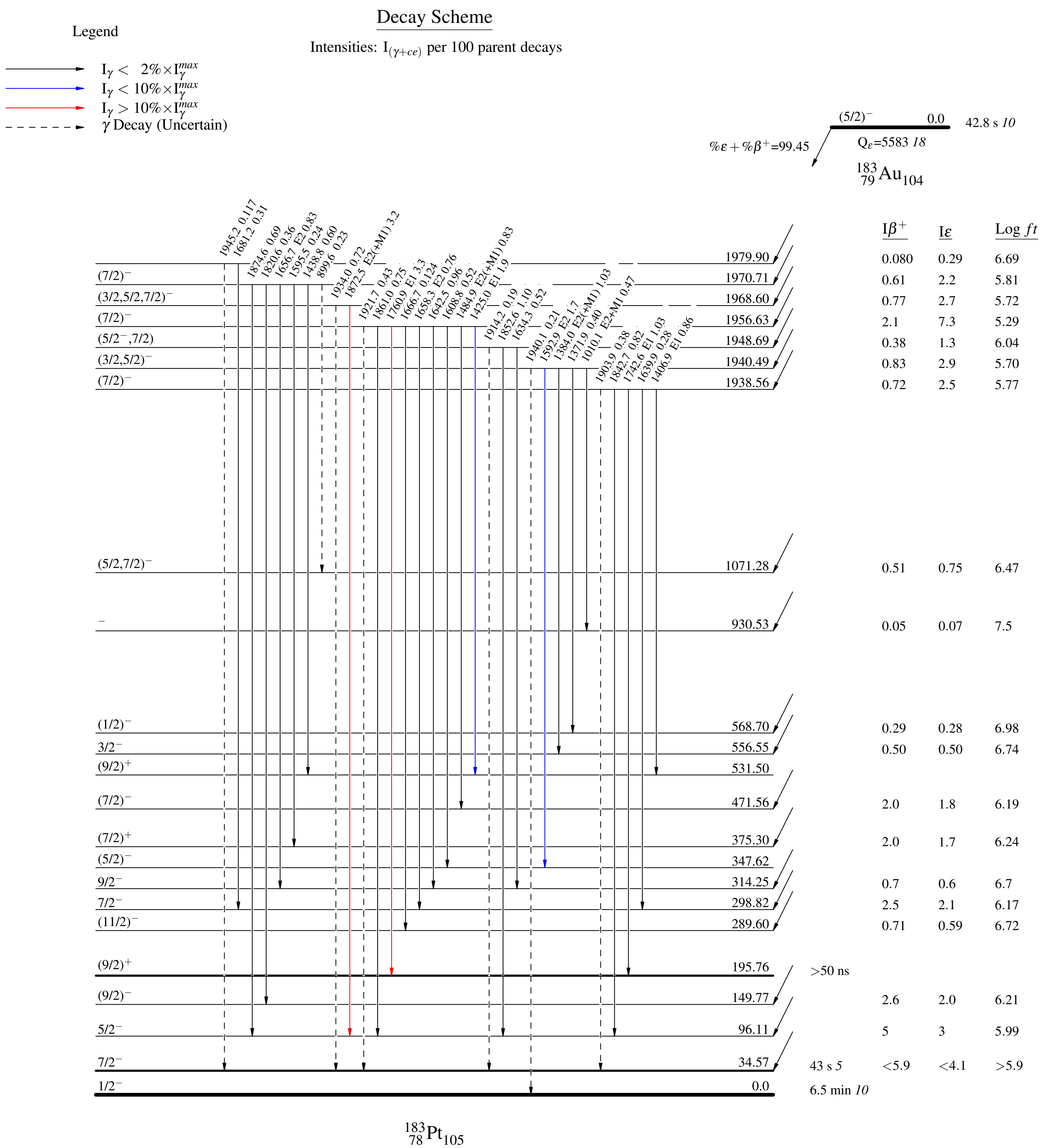
E$_\gamma$[‡]	I$_\gamma$[‡a]	E$_i$(level)	J$_i^\pi$	E$_f$	J$_f^\pi$	Mult.[#]	α[†]	Comments
								α(P)=8.38×10^{-8} *12*; α(IPF)=0.000200 *3* Mult.: I(ce(K))(1532.2+1536.6)=0.08 so α(K)exp=0.00113 *24*; consistent with both transitions being E1.
1536.6 *3*	39 *6*	1884.2	(3/2,5/2,7/2)$^+$	347.62	(5/2)$^-$	E1	1.20×10^{-3}	α(K)=0.000842 *12*; α(L)=0.0001212 *17*; α(M)=2.75×10^{-5} *4* α(N)=6.79×10^{-6} *10*; α(O)=1.220×10^{-6} *17*; α(P)=8.34×10^{-8} *12*; α(IPF)=0.000203 *3* Mult.: see comment on 1532γ.
^{x}1560.6 *3*	6.5 *10*							
^{x}1563.3 *3*	4.2 *6*							
^{x}1565.5 *3*	4.8 *7*							
1592.9 *3*	25 *4*	1940.49	(3/2,5/2)$^-$	347.62	(5/2)$^-$	E2	0.00235	α(K)=0.00187 *3*; α(L)=0.000298 *5*; α(M)=6.86×10^{-5} *10* α(N)=1.694×10^{-5} *24*; α(O)=3.03×10^{-6} *5*; α(P)=1.95×10^{-7} *3*; α(IPF)=9.77×10^{-5} *14* Mult.: I(ce(K))=0.05 so α(K)exp=0.0020 *4*.
1595.5 *3*	3.5 *5*	1970.71	(7/2)$^-$	375.30	(7/2)$^+$			
^{x}1606.2 *3*	10.0 *15*							
1608.8 *3*	7.6 *11*	1956.63	(7/2)$^-$	347.62	(5/2)$^-$			
1615.8 *3*	5.6 *8*	1914.68	(3/2,5/2)$^-$	298.82	7/2$^-$			
1634.3 *3*	7.6 *11*	1948.69	(5/2$^-$,7/2)	314.25	9/2$^-$			
1639.9 *3*	4.1 *6*	1938.56	(7/2)$^-$	298.82	7/2$^-$			
1642.5 *3*	14.0 *21*	1956.63	(7/2)$^-$	314.25	9/2$^-$			
1656.7 *3*	12.0 *18*	1970.71	(7/2)$^-$	314.25	9/2$^-$	E2	0.00222	α(K)=0.001741 *25*; α(L)=0.000276 *4*; α(M)=6.34×10^{-5} *9* α(N)=1.565×10^{-5} *22*; α(O)=2.80×10^{-6} *4*; α(P)=1.82×10^{-7} *3*; α(IPF)=0.0001218 *17* Mult.: I(ce(K))(1656.7+1658.3)=0.04 so α(K)exp=0.0033 *7*, suggesting E2 multipolarity for both components of doublet.
1658.3 *3*	11.0 *17*	1956.63	(7/2)$^-$	298.82	7/2$^-$	E2	0.00222	α(K)=0.001738 *25*; α(L)=0.000275 *4*; α(M)=6.33×10^{-5} *9* α(N)=1.562×10^{-5} *22*; α(O)=2.79×10^{-6} *4*; α(P)=1.81×10^{-7} *3*; α(IPF)=0.0001224 *18* Mult.: see comment on 1656.7γ.
^{x}1660.1 *3*	6.0 *9*							
1666.7 *3*	1.8 *3*	1956.63	(7/2)$^-$	289.60	(11/2)$^-$			
^{x}1675.1 *3*	12.0 *18*							
1681.2 *3*	4.5 *7*	1979.90		298.82	7/2$^-$			
1697.9 *3*	8.3 *12*	1847.53		149.77	(9/2)$^-$			
1742.6 *3*	15.0 *23*	1938.56	(7/2)$^-$	195.76	(9/2)$^+$	E1	1.16×10^{-3}	α(K)=0.000683 *10*; α(L)=9.78×10^{-5} *14*; α(M)=2.22×10^{-5} *4* α(N)=5.47×10^{-6} *8*; α(O)=9.85×10^{-7} *14*; α(P)=6.78×10^{-8} *10*; α(IPF)=0.000353 *5* Mult.: I(ce(K))=0.01 so α(K)exp=0.00067 *14*.
1760.9 *3*	48 *7*	1956.63	(7/2)$^-$	195.76	(9/2)$^+$	E1	1.16×10^{-3}	α(K)=0.000671 *10*; α(L)=9.61×10^{-5} *14*; α(M)=2.18×10^{-5} *3* α(N)=5.38×10^{-6} *8*; α(O)=9.68×10^{-7} *14*; α(P)=6.66×10^{-8} *10*; α(IPF)=0.000366 *6* Mult.: I(ce(K))=0.02 so α(K)exp=0.00042 *9*.
1763.3 *3*	4.0 *6*	1912.81	(5/2$^-$,7/2$^-$)	149.77	(9/2)$^-$			

γ(^{183}Pt) (continued)

E_γ[‡]	I_γ[‡a]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	δ[@]	α[†]	Comments
[x]1774.8 *3*	5.7 *9*								
[x]1778.4 *3*	5.5 *8*								
1807.7 *3*	8.9 *13*	1892.3	(≤7/2)	84.66	3/2⁻				
1812.8[c] *3*	3.0 *5*	1847.53		34.57	7/2⁻				
1820.6 *3*	5.2 *8*	1970.71	(7/2)⁻	149.77	(9/2)⁻				
1828.1 *3*	5.2 *8*	1912.81	(5/2⁻,7/2⁻)	84.66	3/2⁻				
1830.0 *3*	25 *4*	1914.68	(3/2,5/2)⁻	84.66	3/2⁻				
1842.7 *3*	12.0 *18*	1938.56	(7/2)⁻	96.11	5/2⁻				
1852.6 *3*	16.0 *24*	1948.69	(5/2⁻,7/2)	96.11	5/2⁻				
[x]1855.6 *3*	5.4 *8*								
1861.0 *3*	11.0 *17*	1956.63	(7/2)⁻	96.11	5/2⁻				
1872.5 *3*	46 *7*	1968.60	(3/2,5/2,7/2)⁻	96.11	5/2⁻	E2(+M1)	>1	0.0022 *3*	α(K)=0.00161 *22*; α(L)=0.00025 *4*; α(M)=5.7×10^{-5} *8* α(N)=1.42×10^{-5} *20*; α(O)=2.5×10^{-6} *4*; α(P)=1.7×10^{-7} *3*; α(IPF)=0.00024 *3* Mult.: I(ce(K))=0.08 so α(K)exp=0.0017 *4*.
1874.6 *3*	10.0 *15*	1970.71	(7/2)⁻	96.11	5/2⁻				
1878.0[c] *3*	11.0 *17*	1912.81	(5/2⁻,7/2⁻)	34.57	7/2⁻				
[x]1883.0 *3*	6.0 *9*								
1903.9[c] *3*	5.6 *8*	1938.56	(7/2)⁻	34.57	7/2⁻				
1914.2[c] *3*	2.7 *4*	1948.69	(5/2⁻,7/2)	34.57	7/2⁻				
1921.7[c] *3*	6.2 *9*	1956.63	(7/2)⁻	34.57	7/2⁻				
1934.0[c] *3*	10.5 *16*	1968.60	(3/2,5/2,7/2)⁻	34.57	7/2⁻				
1940.1[c] *3*	3.1 *5*	1940.49	(3/2,5/2)⁻	0.0	1/2⁻				
1945.2[c] *3*	1.7 *3*	1979.90		34.57	7/2⁻				

[†] Additional information 2.
[‡] From 1989Ro21, relative to I(214γ)=100. Authors indicate uncertainties in Eγ that range from 0.1 to 0.3 keV; however, several Eγ values are quoted only to the nearest keV and, in those cases, the evaluator has assigned 1 keV uncertainty.
[#] For Eγ<220: from 1984Ma41; otherwise from 1989Ro21. Normalized to 160γ in ^{183}Au. For transitions with E>300 keV the electron and γ intensities are on the same scale and I(ce) data have≈15% uncertainty.
[@] From ce data, except As noted.
[&] From coincidence data.
[a] For absolute intensity per 100 decays, multiply by 0.069 *6*.
[b] Multiply placed with intensity suitably divided.
[c] Placement of transition in the level scheme is uncertain.
[x] γ ray not placed in level scheme.

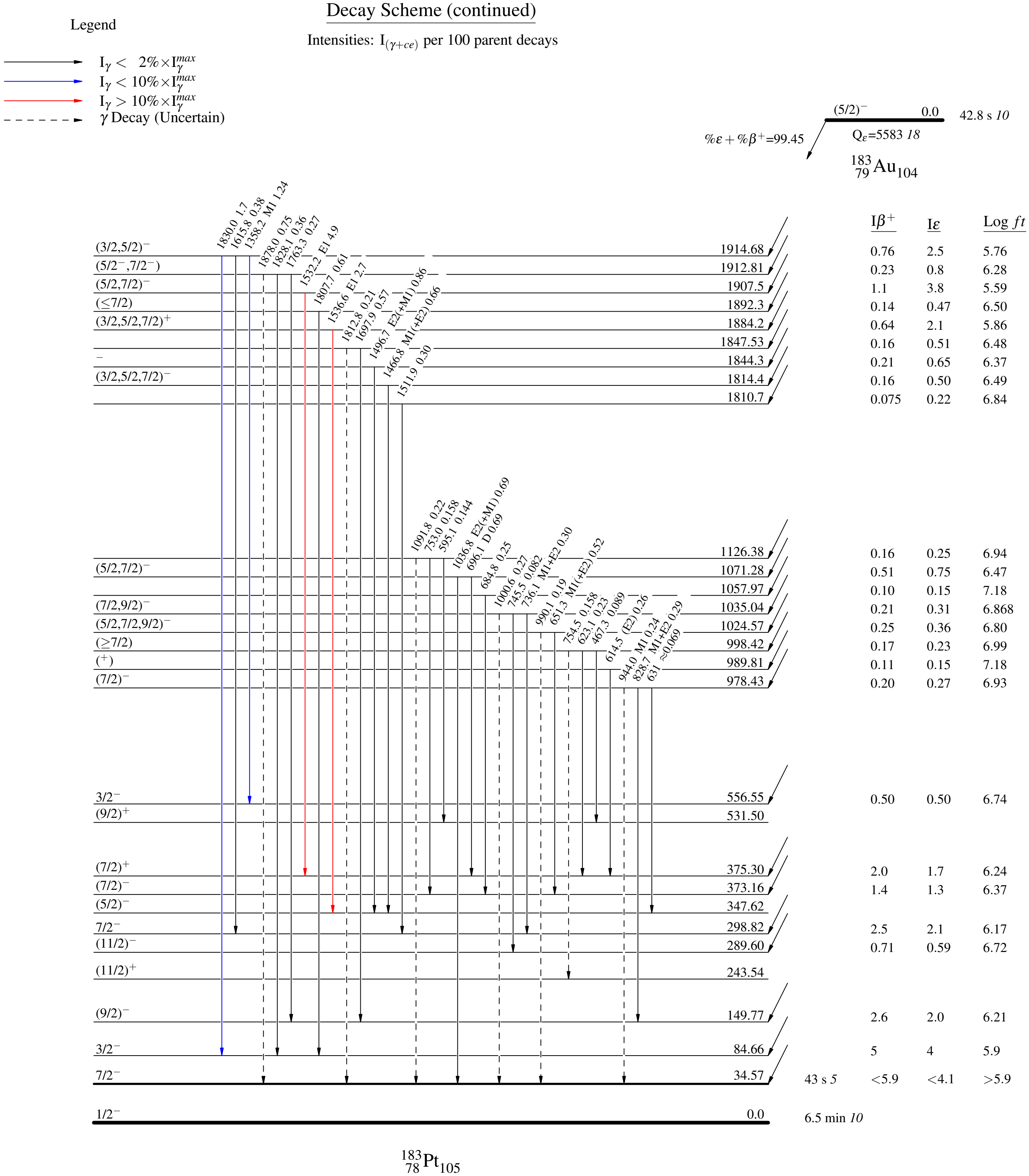
^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41



^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41

Decay Scheme (continued)

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



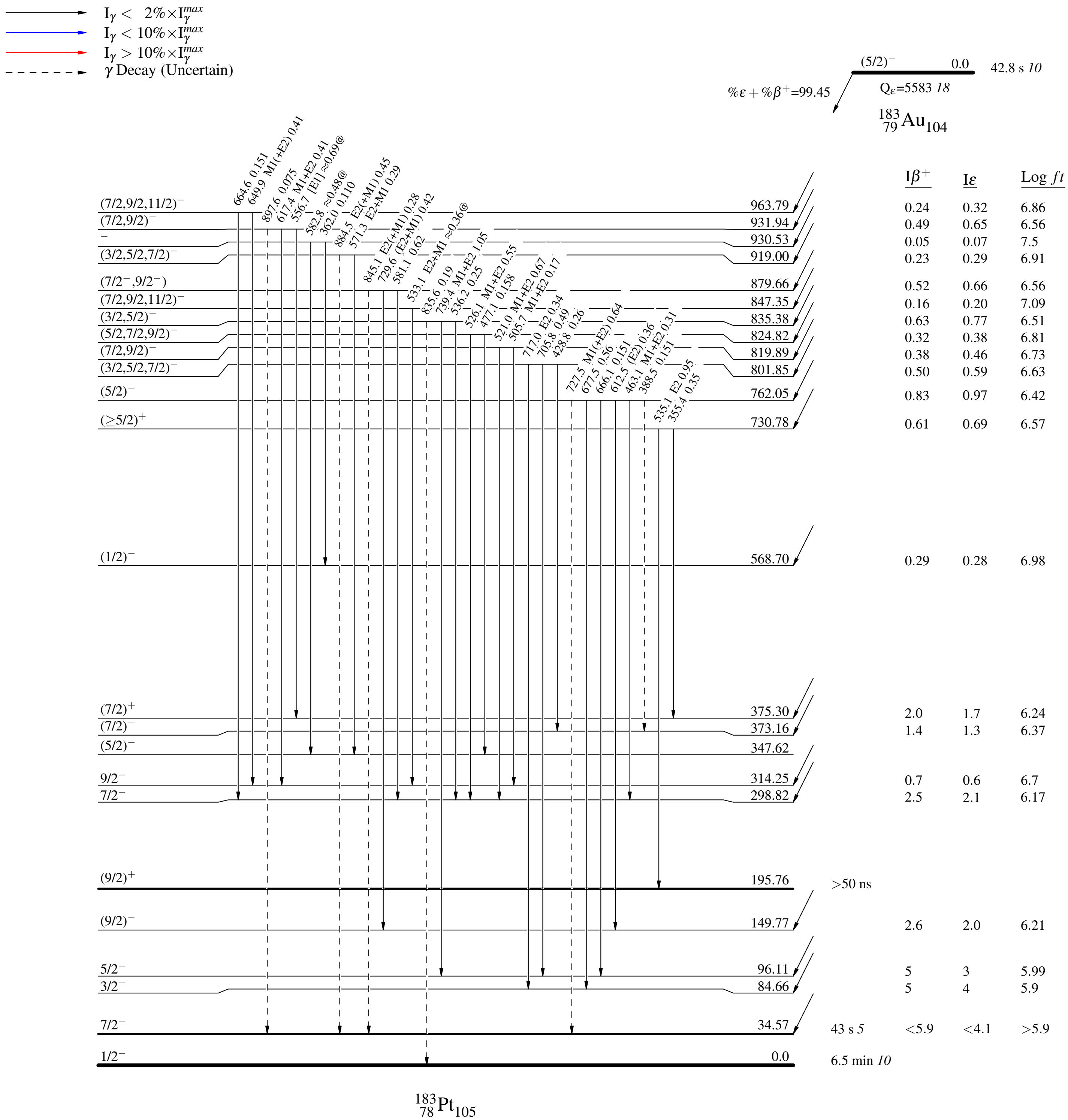
^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41

Decay Scheme (continued)

Legend

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

@ Multiply placed: intensity suitably divided

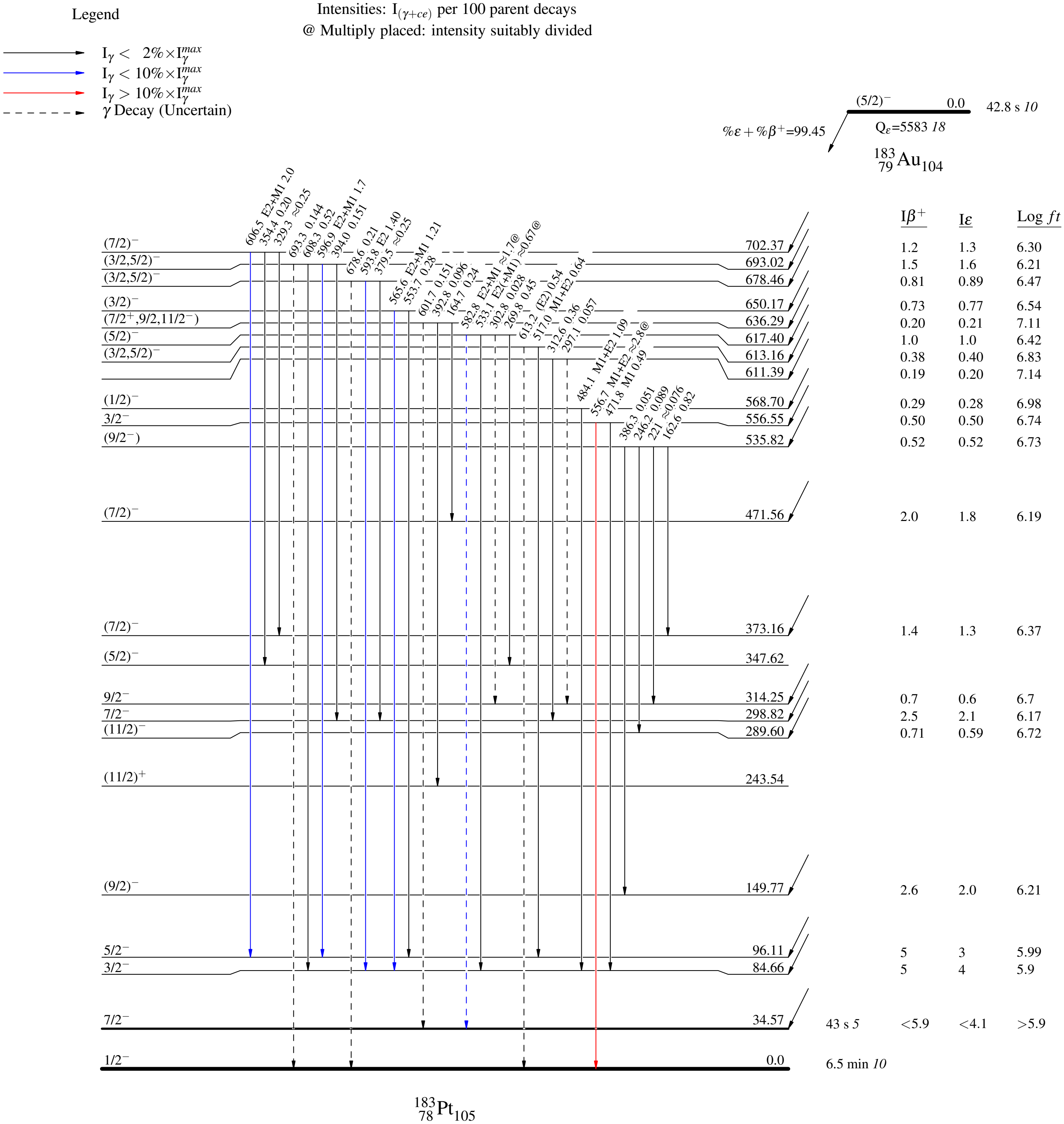


^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41

Decay Scheme (continued)

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

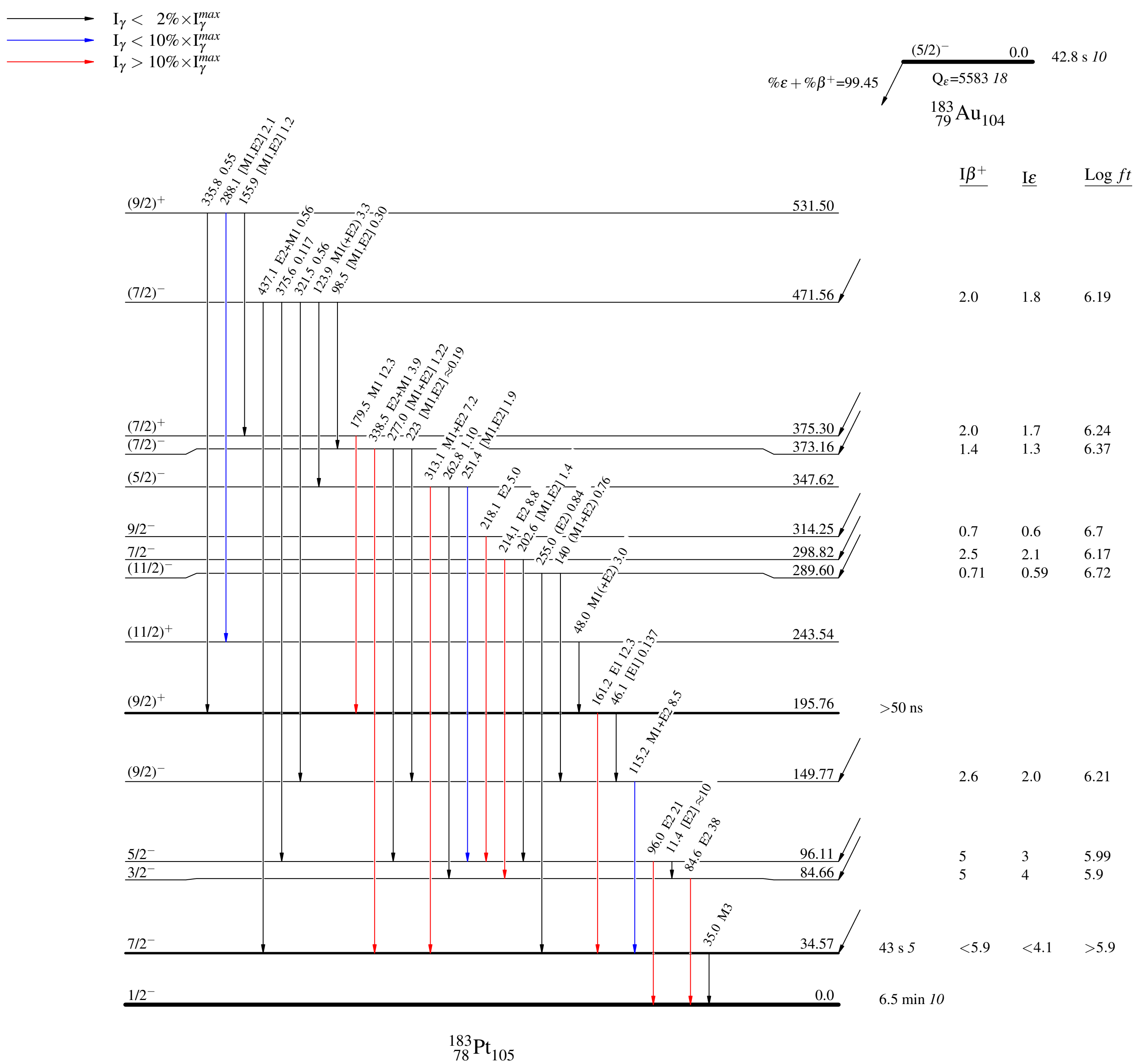
@ Multiply placed: intensity suitably divided



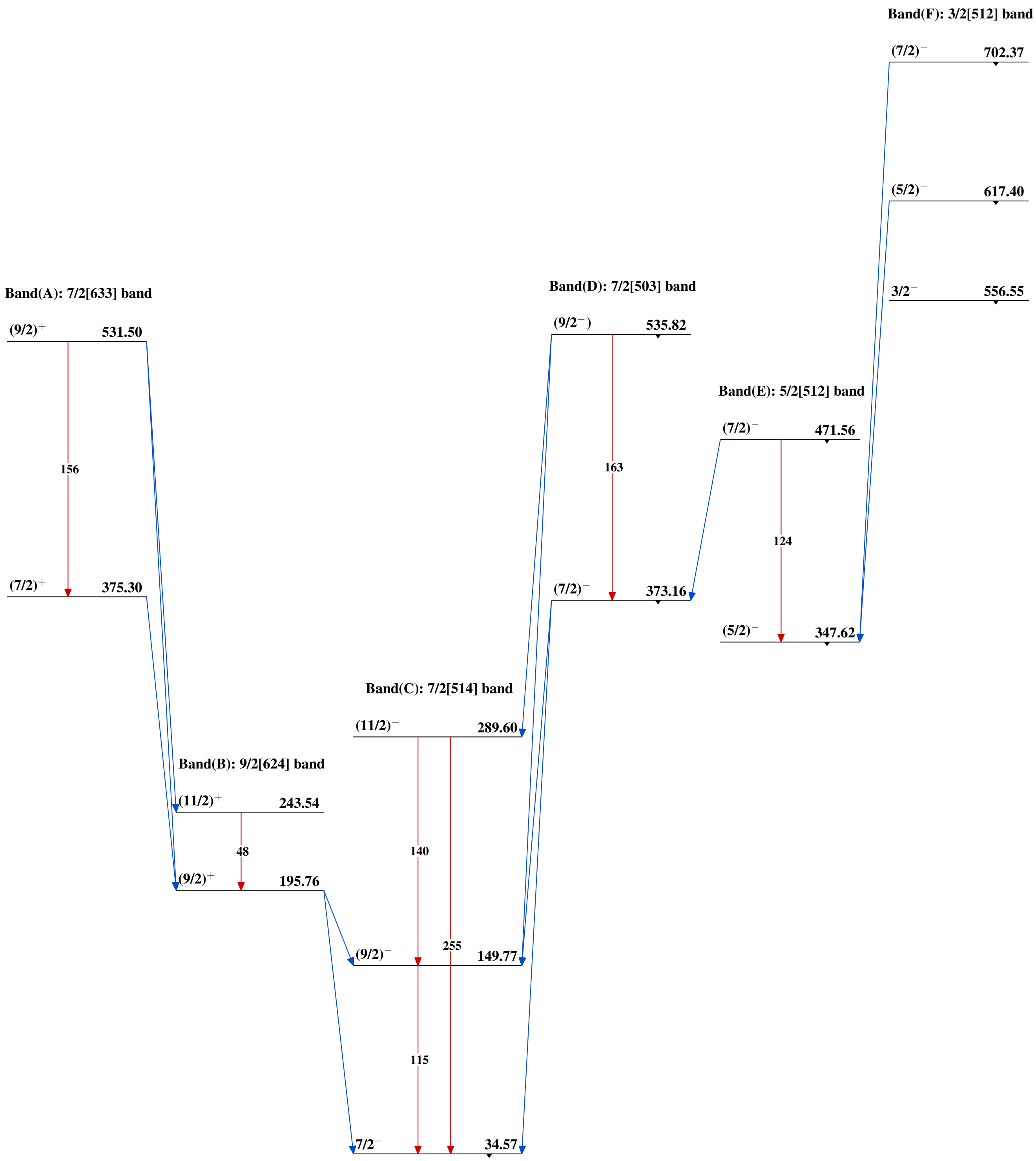
^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41

Decay Scheme (continued)

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

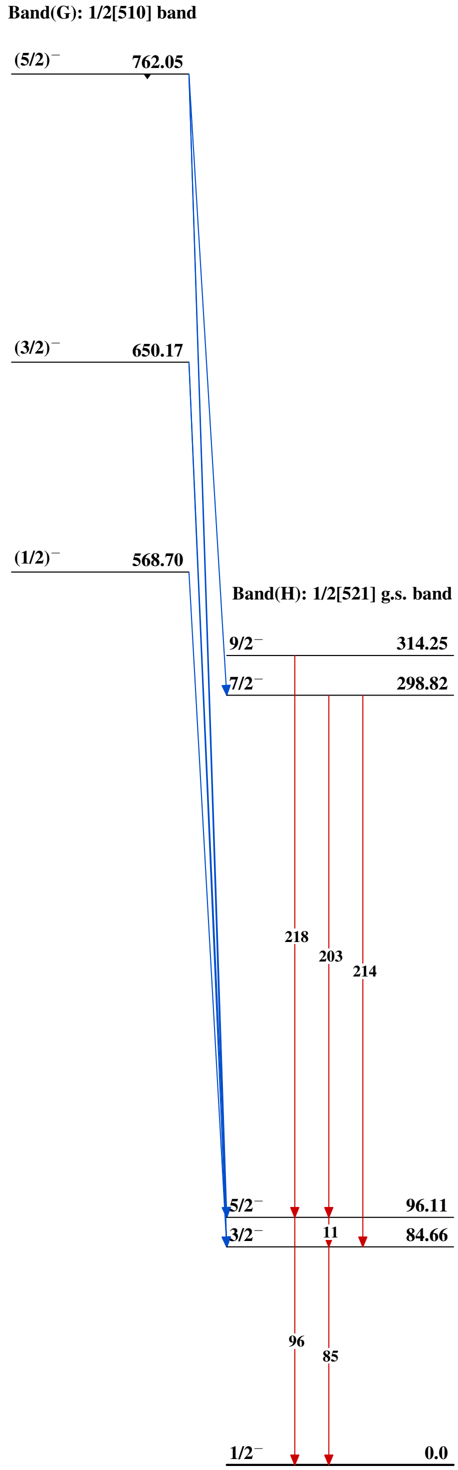


^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41



$^{183}_{78}Pt_{105}$

^{183}Au ε decay 2000Ro41,1989Ro21,1984Ma41 (continued)



$^{183}_{78}Pt_{105}$