^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. -c. Wu	NDS 106, 619 (2005)	1-Nov-2005

Parent: ^{185}Au: E=0.0; $J^\pi=5/2^-$; $T_{1/2}$=4.25 min *6*; Q(ε)=4820 *50*; %ε+%$β^+$ decay=9974 *6*

Parent: ^{185}Au: E=0.0+x; $T_{1/2}$=6.8 min *3*; Q(ε)=4820 *50*; %ε+%$β^+$ decay=?

2003ScZW,1998Vo01,1991ScZY,1992Sc01: Mass-separated activity produced by ^{181}Ta(^{12}C,8n), E=140 MeV. Measured Eγ, Iγ, γγ coin, γce coin. Detectors: Ge(Li), Si(Li). Data from 2003ScZW supersede those from 1998Vo01, 1991ScZY, 1992Sc01.

1985Ro06, 1988Ro13: mass-separated activity produced by 200-MeV protons on Pt targets. Measured Eγ, Iγ, Ice, γγ coin. Detectors: Ge(Li), Si(Li), magnetic spectrograph.

Two ^{185}Au isomers with half-lives of 4.25 min and and 6.8 min had been previously reported. 1985Ro06 measured γ-rays from ^{185}Au(6.8 min), and 1991ScZY, 1992Sc01, from ^{185}Au(4.25 min). 2003ScZW and 1992Sc01, however, did not measure the decay rate of the source to determine its half-life. The evaluator has assumed the data presented here are radiations following the decay of both isomers. For ε feedings and their corresponding log *ft* values deduced under the assumption that the radiations are from ^{185}Au(4.25 min) alone, please see 1995Br04.

^{185}Pt Levels

E(level)	J^π[b]	$T_{1/2}$	Comments
0.0[†]	$9/2^+$	70.9 min *24*	$T_{1/2}$: from Adopted Levels.
94.79[†] *4*	$(11/2)^+$		
103.41[#] *5*	$1/2^-$	33.0 min *8*	$T_{1/2}$: from Adopted Levels.
181.09[#] *5*	$3/2^-$		Additional information 1.
200.89[#] *4*	$5/2^-$		Additional information 2.
212.22[†] *7*	$(13/2)^+$		
310.58[‡] *4*	$7/2^-$		Additional information 3.
387.91[a] *5*	$(1/2)^-$		Additional information 4.
424.09[#] *5*	$(7/2)^-$		Additional information 5.
435.39[a] *5*	$3/2^-$		Additional information 6.
450.17[@] *6*	$(7/2)^-$		Additional information 7.
451.87[#] *5*	$(9/2)^-$		Additional information 8.
486.78[‡] *5*	$(9/2)^-$		Additional information 9.
488.41[a] *5*	$5/2^-$		Additional information 10.
510.08[&] *5*	$5/2^-$		Additional information 11.
521.29 *5*	$3/2^-$		Additional information 12.
575.89[@] *6*	$(9/2)^-$		Additional information 13.
590.71[a] *5*	$7/2^-$		Additional information 14.
593.32 *5*	$5/2^-$		Additional information 15.
614.80 *5*	$(9/2)^+$		Possibly $J^\pi=11/2^+$, 11/2[615] state, suggested by 1991ScZY. Additional information 16.
615.65[&] *5*	$(7/2)^-$		Additional information 17.
645.38 *6*	$1/2^-$		Additional information 18.
657.40 *7*	$(9/2,11/2)^+$		Additional information 19.
659.26 *5*	$3/2^-$		Additional information 20.
682.38[‡] *8*	$(11/2)^-$		Additional information 21.
693.05 *5*	$(5/2)^+$		Possible K-2 γ vibration based on 9/2[624] g.s. (1991ScZY). Additional information 22.
699.54 *6*	$5/2^-$		Additional information 23.
706.62 *5*	$(7/2)^+$		Possible $7/2^+$,7/2[633] state (1991ScZY). Additional information 24.
723.54 *5*	$3/2^-$		Additional information 25.
728.01 *5*	$(5/2)^-$		Additional information 26.

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^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

^{185}Pt Levels (continued)

E(level)	Jπ[b]	Comments
743.69 *8*	(7/2,9/2,11/2)$^-$	Additional information 27.
746.15 *8*	$^+$	Additional information 28.
746.30[&] *6*	(7/2,9/2)$^-$	Additional information 29.
756.95 *9*	(7/2,9/2)$^-$	Additional information 30.
757.71 *6*	5/2$^-$	Additional information 31.
767.74 *7*	$^+$	Additional information 32.
778.51 *5*	(7/2)$^-$	Additional information 33.
785.41 *5*	5/2$^-$	Additional information 34.
794.30 *6*	7/2$^+$,9/2$^+$,11/2$^+$	Additional information 35.
800.78 *7*	(9/2)$^-$	Additional information 36.
816.09 *5*	(5/2)$^-$	Additional information 37.
846.73 *7*	(7/2)$^-$	Additional information 38.
874.38 *9*	(7/2,9/2,11/2)$^-$	Additional information 39.
897.55 *6*	(5/2,7/2,9/2)$^-$	Additional information 40.
914.22 *7*	5/2$^-$	Additional information 41.
915.60 *5*	(7/2)$^-$	Additional information 42.
942.79 *6*	(7/2)$^-$	Additional information 43.
954.56 *7*	(1/2)$^-$	Additional information 44.
955.49 *6*	(9/2,11/2)$^+$	Additional information 45.
958.95 *6*	3/2$^-$	Additional information 46.
961.51 *6*	(5/2)$^+$	Additional information 47.
968.78 *7*	(5/2,7/2,9/2)$^-$	Additional information 48.
972.87 *11*	3/2$^-$	
996.83 *6*	(5/2)$^-$	Additional information 49.
1015.69 *11*	1/2$^-$,3/2$^-$,5/2$^-$	Additional information 50.
1021.78 *8*	7/2$^-$	Additional information 51.
1032.05 *6*	7/2$^-$	Additional information 52.
1032.51 *6*	5/2$^-$	Additional information 53.
1039.90 *8*	$^+$	Additional information 54.
1058.52 *6*	3/2$^-$	Additional information 55.
1060.72 *6*	(7/2)$^+$	Additional information 56.
1065.36 *6*	7/2$^-$	Additional information 57.
1068.32 *9*	(7/2,9/2)$^-$	Additional information 58.
1083.39 *7*	(3/2,5/2)$^-$	Additional information 59.
1097.47 *9*	$^-$	Additional information 60.
1116.40 *9*	5/2$^-$,7/2$^-$,9/2$^-$	Additional information 61.
1123.79 *8*	(3/2,5/2)$^-$	Additional information 62.
1125.98 *8*	(1/2,3/2)$^+$	Additional information 63.
1136.87 *9*	(7/2,9/2,11/2)$^-$	Additional information 64.
1151.61 *11*	(1/2,3/2,5/2$^-$)	Additional information 65.
1158.37 *12*		Additional information 66.
1159.14 *9*	(1/2,3/2,5/2$^-$)	Additional information 67.
1161.95 *11*	$^+$	Additional information 68.
1162.41 *11*	(1/2,3/2,5/2$^-$)	Additional information 69.
1179.55 *9*	1/2$^-$,3/2$^-$,5/2$^-$	Additional information 70.
1187.41 *7*	(3/2,5/2,7/2)$^-$	Additional information 71.
1194.09 *11*		Additional information 72.
1195.93 *8*	(3/2,5/2,7/2)$^+$	Additional information 73.
1196.61 *9*		Additional information 74.
1198.49 *7*	1/2$^-$,3/2$^-$,5/2$^-$	Additional information 75.
1209.19 *9*		Additional information 76.
1209.91 *11*	(1/2,3/2,5/2$^-$)	Additional information 77.
1211.56 *7*	(7/2,9/2)$^-$	Additional information 78.
1216.8 *4*	(3/2,5/2,7/2)$^+$	Additional information 79.
1223.75 *7*	(5/2,7/2)$^-$	Additional information 80.

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^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

^{185}Pt Levels (continued)

E(level)	Jπ[b]	Comments
1226.61 *6*	$(3/2)^-$	Additional information 81.
1233.30 *11*		Additional information 82.
1234.18 *11*	$(9/2)^-$	Additional information 83.
1240.80 *12*		Additional information 84.
1249.60 *7*	$(5/2,7/2,9/2)^+$	Additional information 85.
1255.35 *12*	$^-$	Additional information 86.
1256.49 *11*		Additional information 87.
1273.20 *11*		Additional information 88.
1276.47 *11*		Additional information 89.
1283.80 *7*	$(1/2^-,3/2,5/2^-)$	Additional information 90.
1294.20 *11*		Additional information 91.
1296.50 *8*	$(3/2^+)$	Additional information 92.
1314.05 *9*		Additional information 93.
1319.80 *11*		Additional information 94.
1322.69 *7*	$(5/2,7/2)^+$	Additional information 95.
1324.62 *9*	$(7/2,9/2,11/2)^-$	Additional information 96.
1335.78 *7*	$(1/2^-,3/2,5/2^-)$	Additional information 97.
1345.70 *11*		Additional information 98.
1370.35 *11*	$(3/2,5/2,7/2)^+$	Additional information 99.
1384.48 *12*	$(1/2,3/2,5/2^-)$	Additional information 100.
1391.74 *9*	$^-$	Additional information 101.
1406.11 *7*	$(3/2,5/2)^-$	Additional information 102.
1412.11 *8*	$7/2^-,9/2^-$	Additional information 103.
1442.80 *11*		Additional information 104.
1446.89 *11*		Additional information 105.
1450.20 *9*	$(3/2^-,5/2,7/2^-)$	Additional information 106.
1505.69 *7*		Additional information 107.
1518.67 *9*	$(3/2,5/2,7/2)^+$	Additional information 108.
1540.88 *11*		Additional information 109.
1564.60 *12*	$^+$	Additional information 110.
1567.19 *11*		Additional information 111.
1582.41 *11*		Additional information 112.
1667.90 *11*		Additional information 113.
1726.60 *11*		Additional information 114.
1757.70 *11*		Additional information 115.
1776.28 *21*		Additional information 116.
1961.90 *11*		Additional information 117.
2109.08 *11*		Additional information 118.
2315.84 *9*	$(5/2,7/2)^-$	Additional information 119.
2484.39 *12*	$(1/2,3/2,5/2^-)$	Additional information 120.
2536.63 *11*		Additional information 121.
2539.77 *7*		Additional information 122.
2540.35 *8*		Additional information 123.
2549.11 *11*		Additional information 124.
2559.33 *9*	$(3/2^-,5/2,7/2^-)$	Additional information 125.
2559.96 *7*	$(5/2,7/2)^-$	Additional information 126.
2561.48 *7*	$(3/2^-,5/2,7/2^-)$	Additional information 127.
2566.98 *6*	$(1/2^-,3/2,5/2^-)$	Additional information 128.
2577.65 *12*		Additional information 129.
2578.43 *7*		Additional information 130.
2580.89 *8*		Additional information 131.
2586.74 *7*		Additional information 132.
2587.97 *7*	$(3/2^-,5/2,7/2^-)$	Additional information 133.
2609.88 *8*		Additional information 134.
2620.11 *8*	$(5/2^+,7/2,9/2^+)$	Additional information 135.
2625.76 *7*		Additional information 136.

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^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

^{185}Pt Levels (continued)

E(level)	Jπ[b]	Comments
2649.01 *11*		Additional information 137.
2673.71 *11*		Additional information 138.
2748.53 *11*		Additional information 139.
2761.33 *11*	(1/2,3/2,5/2$^-$)	Additional information 140.
2762.31 *11*		Additional information 141.
2764.93 *9*	(1/2$^-$,3/2,5/2$^-$)	Additional information 142.
2765.74 *9*		Additional information 143.
2766.45 *12*		Additional information 144.
2792.99 *7*	(1/2$^-$,3/2,5/2$^-$)	Additional information 145.
2804.69 *7*	(1/2$^-$,3/2,5/2$^-$)	Additional information 146.
2831.60 *11*		Additional information 147.

† 9/2[624].
‡ 7/2[503].
# 1/2[521].
@ 7/2[514].
& 5/2[512].
a 1/2[510].
b From Adopted Levels.

γ(^{185}Pt)

E_γ [†]	I_γ [†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[@]	$I_{(\gamma+ce)}$ [†]	Comments
19.8 *1*		200.89	5/2$^-$	181.09	3/2$^-$	M1		145	3.0×10^2 *15*	ce(L)/(γ+ce)=0.760; ce(M)/(γ+ce)=0.175 Iγ=2.0 from I(γ+ce)=300 and α. Eγ=20.0, Iγ=1.3 *2* from I(γ+ce)=190 *30* (1985Ro06).
27.8 *1*		451.87	(9/2)$^-$	424.09	(7/2)$^-$				4.5 *20*	
47.4 *1*		435.39	3/2$^-$	387.91	(1/2)$^-$	E2		153	5.0 *40*	ce(L)/(γ+ce)=0.741; ce(M)/(γ+ce)=0.190 Iγ=0.04 *3* from I(γ+ce)=5.0 and α.
53.0 *1*		488.41	5/2$^-$	435.39	3/2$^-$	M1		7.85	4.0 *20*	ce(L)/(γ+ce)=0.681; ce(M)/(γ+ce)=0.157; ce(N)/(γ+ce)=0.0495
64.2 *1*		488.41	5/2$^-$	424.09	(7/2)$^-$	M1+E2	0.50	10.5	7.0 *20*	ce(L)/(γ+ce)=0.689; ce(M)/(γ+ce)=0.172; ce(N)/(γ+ce)=0.0524 Eγ=64.3 (1985Ro06).
77.7 *1*	62 *6*	181.09	3/2$^-$	103.41	1/2$^-$	M1+E2	1.7	11.1		α(L)=8.32; α(M)=2.14; α(N+..)=0.648 Eγ=77.6 *2*, I(γ+ce)=480 (1985Ro06). $I_{(\gamma+ce)}$: 8.0 from 1998Vo01.
83.3 *1*	0.6 *1*	593.32	5/2$^-$	510.08	5/2$^-$					Eγ=83.1, Iγ=0.6 (1985Ro06).
85.9 *1*	0.7 *1*	521.29	3/2$^-$	435.39	3/2$^-$	M1		10.7		α(K)=8.8; α(L)=1.47; α(M)=0.339; α(N+..)=0.107 $I_{(\gamma+ce)}$: 9.7 from 1998Vo01.
89.1 *1*	0.4 *1*	575.89	(9/2)$^-$	486.78	(9/2)$^-$	M1+E2	1.5	8.5		α(K)=2.91; α(L)=4.22; α(M)=1.08; α(N+..)=0.331 Eγ=89.0, Iγ=0.6 (1985Ro06).
94.8 *1*	7.1 *7*	94.79	(11/2)$^+$	0.0	9/2$^+$	M1+E2	0.50	7.70		α(K)=5.46; α(L)=1.70; α(M)=0.414; α(N+..)=0.129 Eγ=94.9, Iγ=7 (1985Ro06).
97.5 *1*	18.1 *18*	200.89	5/2$^-$	103.41	1/2$^-$	E2		5.53		α(K)=0.741; α(L)=3.58; α(M)=0.92; α(N+..)=0.283 Eγ=97.6, Iγ=18 (1985Ro06).
100.4 *1*	0.2	488.41	5/2$^-$	387.91	(1/2)$^-$	E2		4.90		α(K)=0.721; α(L)=3.12; α(M)=0.806; α(N+..)=0.247
102.3 *1*	0.7 *1*	590.71	7/2$^-$	488.41	5/2$^-$	M1+E2	0.65	5.90		α(K)=3.95; α(L)=1.47; α(M)=0.363; α(N+..)=0.113 Eγ=102.4, Iγ=1.3 (1985Ro06).
105.6 *1*	3.4 *3*	615.65	(7/2)$^-$	510.08	5/2$^-$	M1+E2	0.42	5.63		α(K)=4.24; α(L)=1.06; α(M)=0.254; α(N+..)=0.0796 Eγ=105.7, Iγ=5.7 (1985Ro06).
109.7 *1*	0.8 *2*	310.58	7/2$^-$	200.89	5/2$^-$	M1+E2	0.65	4.74		α(K)=3.26; α(L)=1.12; α(M)=0.276; α(N+..)=0.086 Eγ=109.7, Iγ=2.4 (1985Ro06).
117.4 *1*	1.1 *2*	212.22	(13/2)$^+$	94.79	(11/2)$^+$	M1		4.37		α(K)=3.59; α(L)=0.596; α(M)=0.137; α(N+..)=0.0436 Mult.: M1+E2, δ=−0.30 *7* from γ(θ) in ^{173}Yb(^{16}O,4nγ). Eγ=117.5, Iγ=1.7 (1985Ro06).
122.1[&] *1*	0.1	510.08	5/2$^-$	387.91	(1/2)$^-$					
125.7 *1*	0.7 *1*	575.89	(9/2)$^-$	450.17	(7/2)$^-$	M1+E2	0.33	3.43		α(K)=2.71; α(L)=0.550; α(M)=0.130; α(N+..)=0.0409 Eγ=125.7, Iγ=1.1 (1985Ro06).
126.1 *1*	0.8 *2*	785.41	5/2$^-$	659.26	3/2$^-$	M1+E2	0.65	3.08		α(K)=2.20; α(L)=0.665; α(M)=0.162; α(N+..)=0.0506 Eγ=126.1, Iγ=0.7 (1985Ro06).
129.5 *1*	1.1 *2*	310.58	7/2$^-$	181.09	3/2$^-$					
130.6 *1*	1.5 *3*	746.30	(7/2,9/2)$^-$	615.65	(7/2)$^-$	M1+E2	0.50	2.91		α(K)=2.21; α(L)=0.537; α(M)=0.129; α(N+..)=0.0404 Eγ=130.6, Iγ=3.3 (1985Ro06).
133.4 *1*	0.4 *1*	521.29	3/2$^-$	387.91	(1/2)$^-$	M1		3.03		α(K)=2.49; α(L)=0.413; α(M)=0.095; α(N+..)=0.0301 $I_{(\gamma+ce)}$: 1.6 from 1998Vo01.

$^{185}_{78}Pt_{107}$-5

γ(^{185}Pt) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[@]	Comments
138.2 *1*	1.0 *2*	659.26	3/2$^-$	521.29	3/2$^-$	M1		2.73	α(K)=2.25; α(L)=0.373; α(M)=0.086; α(N+..)=0.0272 Eγ=138.1, Iγ=1.0 (1985Ro06).
139.6 *1*	11.2 *11*	450.17	(7/2)$^-$	310.58	7/2$^-$	M1		2.66	α(K)=2.18; α(L)=0.363; α(M)=0.084; α(N+..)=0.0264 Eγ=139.5, Iγ=15 (1985Ro06).
[x]142.1[#]	1.0								
155.0 *1*	0.6 *1*	590.71	7/2$^-$	435.39	3/2$^-$	E2		0.90	α(K)=0.320; α(L)=0.433; α(M)=0.111; α(N+..)=0.0340
155.6 *1*	0.4 *1*	746.30	(7/2,9/2)$^-$	590.71	7/2$^-$	E2		0.89	α(K)=0.317; α(L)=0.426; α(M)=0.109; α(N+..)=0.0334 Eγ=155.6, Iγ=1.2 (1985Ro06).
157.0 *1*	1.0 *2*	816.09	(5/2)$^-$	659.26	3/2$^-$	M1		1.91	α(K)=1.57; α(L)=0.260; α(M)=0.0599; α(N+..)=0.0189 Eγ=157.6, Iγ=0.7 (1985Ro06).
158.0 *1*	0.4 *1*	593.32	5/2$^-$	435.39	3/2$^-$	M1		1.87	α(K)=1.54; α(L)=0.255; α(M)=0.0588; α(N+..)=0.0185 $I_{(\gamma+ce)}$: 0.9 from 1998Vo01.
163.7 *1*	0.4 *1*	615.65	(7/2)$^-$	451.87	(9/2)$^-$				Eγ=164.0, Iγ=1.0 (1985Ro06).
169.2 *1*	2.5 *3*	593.32	5/2$^-$	424.09	(7/2)$^-$	M1+E2	0.50	1.36	α(K)=1.07; α(L)=0.227; α(M)=0.0538; α(N+..)=0.0168 $I_{(\gamma+ce)}$: 6.4 from 1998Vo01. Eγ=169.1, Iγ=3.4 (1985Ro06).
176.2 *1*	18.3 *18*	486.78	(9/2)$^-$	310.58	7/2$^-$	M1+E2	−0.25	1.33	α(K)=1.08; α(L)=0.191; α(M)=0.0444; α(N+..)=0.0139 δ: sign from δ=−0.20 *10* γγ(θ,H) (1985Va07). Eγ=176.1, Iγ=23 (1985Ro06).
178.2 *1*	1.0 *2*	699.54	5/2$^-$	521.29	3/2$^-$	M1+E2	0.33	1.26	α(K)=1.01; α(L)=0.187; α(M)=0.0436; α(N+..)=0.0137 $I_{(\gamma+ce)}$: 2.0 from 1998Vo01.
[x]181.8 *1*	0.4 *1*								
185.4 *1*	0.6 *1*	778.51	(7/2)$^-$	593.32	5/2$^-$	E2		0.472	α(K)=0.207; α(L)=0.199; α(M)=0.0507; α(N+..)=0.0155 Eγ=185.3, Iγ=0.8 (1985Ro06).
187.1 *1*	0.8 *2*	387.91	(1/2)$^-$	200.89	5/2$^-$	E2		0.457	α(K)=0.202; α(L)=0.191; α(M)=0.0488; α(N+..)=0.0149 Eγ=187.1, Iγ=0.5 from 1985Ro06, transition unplaced in the level scheme.
187.5 *1*	0.3 *1*	915.60	(7/2)$^-$	728.01	(5/2)$^-$	M1		1.16	α(K)=0.95; α(L)=0.157; α(M)=0.0362; α(N+..)=0.0114
187.8 *1*	0.8 *2*	778.51	(7/2)$^-$	590.71	7/2$^-$	M1+E2	0.33	1.08	α(K)=0.87; α(L)=0.160; α(M)=0.0372; α(N+..)=0.0116 Eγ=187.8, Iγ=1.3 (1985Ro06).
[x]189.7 *1*	0.5 *1*								Eγ=189.6, Iγ=0.5 (1985Ro06).
191.6 *1*	0.9 *2*	615.65	(7/2)$^-$	424.09	(7/2)$^-$	M1		1.09	α(K)=0.90; α(L)=0.148; α(M)=0.0341; α(N+..)=0.0107 Eγ=191.5, Iγ=1.1 (1985Ro06).
195.6 *1*	1.4 *3*	682.38	(11/2)$^-$	486.78	(9/2)$^-$	M1+E2	0.33	0.97	α(K)=0.780; α(L)=0.141; α(M)=0.0330; α(N+..)=0.0103 Eγ=195.4, Iγ=1.7 (1985Ro06).
[x]196.6[#]	0.6								
199.4 *1*	3.7 *4*	510.08	5/2$^-$	310.58	7/2$^-$	M1+E2	2.0	0.488	α(K)=0.298 *9*; α(L)=0.143 *5*; α(M)=0.0358 *11*; α(N+..)=0.0110 *4* Eγ=199.3, Iγ=3.3 (1985Ro06).
200.5 *1*	2.8 *3*	816.09	(5/2)$^-$	615.65	(7/2)$^-$	M1+E2		0.7 *3*	α(K)=0.5 *3*; α(L)=0.137 *7*; α(M)=0.033 *4*; α(N+..)=0.0102 *9* Eγ=200.3, Iγ=2.1 (1985Ro06).
202.2 *1*	0.5 *1*	723.54	3/2$^-$	521.29	3/2$^-$	M1		0.94	α(K)=0.771; α(L)=0.127; α(M)=0.0293; α(N+..)=0.0092 Eγ=202.1, Iγ=1.0 (1985Ro06).
205.4 *1*	1.0 *2*	593.32	5/2$^-$	387.91	(1/2)$^-$	E2		0.332	α(K)=0.160; α(L)=0.129; α(M)=0.0328; α(N+..)=0.0100 Eγ=205.3, Iγ=1.7 (1985Ro06).

$^{185}_{78}Pt_{107}$-6

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[@]	Comments
206.9 *1*	24.0 *24*	387.91	(1/2)$^-$	181.09	3/2$^-$	M1		0.88	α(K)=0.724; α(L)=0.119; α(M)=0.0275; α(N+..)=0.0086 Eγ=206.8, Iγ=26 (1985Ro06).
210.8 *1*	0.4 *1*	521.29	3/2$^-$	310.58	7/2$^-$	E2		0.304	α(K)=0.150; α(L)=0.116; α(M)=0.0294; α(N+..)=0.0090 $I_{(\gamma+ce)}$: 0.5 from 1998Vo01.
[x]218.2 *1*	0.5 *1*								
222.8 *1*	1.4 *3*	816.09	(5/2)$^-$	593.32	5/2$^-$	M1+E2	0.58	0.599	α(K)=0.474; α(L)=0.096; α(M)=0.0226; α(N+..)=0.00702
223.2 *1*	6.0 *6*	424.09	(7/2)$^-$	200.89	5/2$^-$	M1+E2	1.7	0.367	α(K)=0.244; α(L)=0.093; α(M)=0.0229; α(N+..)=0.00704 Eγ=223.0, Iγ=9 (1985Ro06).
224.8 *1*	≤0.1	800.78	(9/2)$^-$	575.89	(9/2)$^-$	E0			
[x]229[#]	≈1								
231.2 *1*	1.0 *2*	954.56	(1/2)$^-$	723.54	3/2$^-$	M1		0.646	α(K)=0.532; α(L)=0.087; α(M)=0.0201; α(N+..)=0.00630
234.5 *1*	3.0 *3*	435.39	3/2$^-$	200.89	5/2$^-$	M1+E2		0.42 *21*	α(K)=0.31 *20*; α(L)=0.079 *5*; α(M)=0.0191 *2*; α(N+..)=0.00591 *14* Eγ=234.3, Iγ=3.3 (1985Ro06).
235.1 *1*	0.1	659.26	3/2$^-$	424.09	(7/2)$^-$				
236.3 *1*	1.4 *3*	746.30	(7/2,9/2)$^-$	510.08	5/2$^-$	E2		0.209	α(K)=0.112; α(L)=0.0726; α(M)=0.0183; α(N+..)=0.00560 Eγ=236.2, Iγ=1.9 (1985Ro06).
236.4 *1*	0.5 *1*	757.71	5/2$^-$	521.29	3/2$^-$	M1+E2		0.41 *20*	α(K)=0.31 *20*; α(L)=0.077 *5*; α(M)=0.0186 *3*; α(N+..)=0.00575 *17*
243.1 *1*	100 *10*	424.09	(7/2)$^-$	181.09	3/2$^-$	E2		0.190	α(K)=0.104; α(L)=0.0648; α(M)=0.0163; α(N+..)=0.00499 Eγ=243.0, Iγ=100 (1985Ro06).
248.8 *1*	0.7 *1*	955.49	(9/2,11/2)$^+$	706.62	(7/2)$^+$	E2		0.177	α(K)=0.098; α(L)=0.0591; α(M)=0.0149; α(N+..)=0.00454
251.1 *1*	38 *4*	451.87	(9/2)$^-$	200.89	5/2$^-$	E2		0.172	α(K)=0.096; α(L)=0.0570; α(M)=0.0143; α(N+..)=0.00438 Eγ=250.9, Iγ=38 (1985Ro06).
254.3 *1*	29 *3*	435.39	3/2$^-$	181.09	3/2$^-$	M1		0.497	α(K)=0.410; α(L)=0.0671; α(M)=0.0154; α(N+..)=0.00483 Eγ=254.3, Iγ=26 (1985Ro06).
255.0 *1*	3.8 *4*	961.51	(5/2)$^+$	706.62	(7/2)$^+$	M1+E2	0.42	0.444	α(K)=0.359; α(L)=0.0646; α(M)=0.0150; α(N+..)=0.00469 Eγ=254.9, Iγ=5.0 (1985Ro06).
255.1 *1*	1.3 *3*	914.22	5/2$^-$	659.26	3/2$^-$	M1+E2	1.5	0.262	α(K)=0.186; α(L)=0.0574; α(M)=0.0140; α(N+..)=0.00431
256.9 *1*	0.9 *2*	743.69	(7/2,9/2,11/2)$^-$	486.78	(9/2)$^-$	M1+E2		0.32 *17*	α(K)=0.24 *16*; α(L)=0.059 *7*; α(M)=0.0140 *10*; α(N+..)=0.0043 *4* Eγ=256.7, Iγ=2.0 (1985Ro06).
257.2 *1*	1.2 *2*	778.51	(7/2)$^-$	521.29	3/2$^-$	E2		0.159	α(K)=0.090; α(L)=0.0518; α(M)=0.0130; α(N+..)=0.00398 Eγ=257, Iγ=1.0 (1985Ro06).
257.4[&] *1*	0.1	645.38	1/2$^-$	387.91	(1/2)$^-$				
264.3 *1*	2.7 *3*	785.41	5/2$^-$	521.29	3/2$^-$	M1		0.447	α(K)=0.368; α(L)=0.0603; α(M)=0.0139; α(N+..)=0.00434 Eγ=264.1, Iγ=4.0 (1985Ro06).
265.3 *1*	7.5 *8*	575.89	(9/2)$^-$	310.58	7/2$^-$	M1+E2	0.42	0.398	α(K)=0.323; α(L)=0.0576; α(M)=0.0134; α(N+..)=0.00418 Eγ=265.1, Iγ=7.8 (1985Ro06).
268.3 *1*	0.4 *1*	961.51	(5/2)$^+$	693.05	(5/2)$^+$	E0+M1			
268.5 *1*	5.3 *5*	756.95	(7/2,9/2)$^-$	488.41	5/2$^-$	E2		0.139	α(K)=0.0812; α(L)=0.0438; α(M)=0.0110; α(N+..)=0.00336 Eγ=268.4, Iγ=7.4 (1985Ro06).
268.7 *1*	0.3 *1*	996.83	(5/2)$^-$	728.01	(5/2)$^-$	M1		0.427	α(K)=0.352; α(L)=0.0576; α(M)=0.0132; α(N+..)=0.00414
275.4 *1*	1.7 *3*	785.41	5/2$^-$	510.08	5/2$^-$	M1+E2	0.65	0.319	α(K)=0.254; α(L)=0.0496; α(M)=0.0117; α(N+..)=0.00362 Eγ=275.2, Iγ=2.2 (1985Ro06).
280.1 *1*	0.7 *1*	590.71	7/2$^-$	310.58	7/2$^-$	M1+E2		0.25 *13*	α(K)=0.19 *12*; α(L)=0.044 *7*; α(M)=0.0106 *13*; α(N+..)=0.0033 *5*

$^{185}_{78}Pt_{107}$-7

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[@]	Comments
282.7 *1*	3.0 *3*	593.32	5/2$^-$	310.58	7/2$^-$	M1+E2	1.0	0.245	α(K)=0.189; α(L)=0.0430; α(M)=0.0102; α(N+..)=0.00317 $I_{(\gamma+ce)}$: 3.9 from 1998Vo01. Eγ=282.4, Iγ=3.2 (1985Ro06).
283.6 *1*	1.0 *2*	874.38	(7/2,9/2,11/2)$^-$	590.71	7/2$^-$	E2		0.118	α(K)=0.0708; α(L)=0.0355; α(M)=0.0089; α(N+..)=0.00271 Eγ=283.9, Iγ=0.8 (1985Ro06).
284.6[&] *1*	≤1.5	387.91	(1/2)$^-$	103.41	1/2$^-$				
285.9[&] *1*	≤0.2	486.78	(9/2)$^-$	200.89	5/2$^-$				
287.5 *1*	20.0 *20*	488.41	5/2$^-$	200.89	5/2$^-$	M1		0.355	α(K)=0.293; α(L)=0.0478; α(M)=0.0110; α(N+..)=0.00344 Eγ=287.3, Iγ=21 (1985Ro06).
288.2 *1*	0.2	723.54	3/2$^-$	435.39	3/2$^-$	E0+M1			
290.3 *1*	7.3 *7*	778.51	(7/2)$^-$	488.41	5/2$^-$	M1+E2	0.65	0.276	α(K)=0.220; α(L)=0.0424; α(M)=0.0099; α(N+..)=0.00309 Eγ=290.1, Iγ=6.6 (1985Ro06).
291.6 *1*	0.6 *1*	778.51	(7/2)$^-$	486.78	(9/2)$^-$	M1+E2		0.22 *12*	α(K)=0.17 *11*; α(L)=0.039 *7*; α(M)=0.0093 *13*; α(N+..)=0.0029 *5*
292.9 *1*	0.4 *1*	1060.72	(7/2)$^+$	767.74	$^+$	M1+E2		0.22 *12*	α(K)=0.17 *11*; α(L)=0.038 *7*; α(M)=0.0091 *13*; α(N+..)=0.0028 *5* Eγ=292.9, Iγ=1.3 from 1985Ro06, transition unplaced in the level scheme.
294.4 *1*	1.1 *2*	746.30	(7/2,9/2)$^-$	451.87	(9/2)$^-$	M1		0.333	α(K)=0.275; α(L)=0.0448; α(M)=0.0103; α(N+..)=0.00322 Eγ=294.3, Iγ=1.4 (1985Ro06).
297.0 *1*	0.4 *1*	785.41	5/2$^-$	488.41	5/2$^-$	M1		0.325	α(K)=0.268; α(L)=0.0437; α(M)=0.0101; α(N+..)=0.00314
298.6 *1*	0.9 *2*	785.41	5/2$^-$	486.78	(9/2)$^-$	E2		0.101	α(K)=0.0623; α(L)=0.0292; α(M)=0.00728; α(N+..)=0.00223 Eγ=299, Iγ=2.4 for 298.6γ + 299.4γ + 299.8γ (1985Ro06).
299.4 *1*	0.9 *2*	723.54	3/2$^-$	424.09	(7/2)$^-$	E2		0.100	α(K)=0.0619; α(L)=0.0289; α(M)=0.00720; α(N+..)=0.00220 Eγ=299, Iγ=2.4 for 298.6γ + 299.4γ + 299.8γ (1985Ro06).
299.8 *1*	1.2 *2*	958.95	3/2$^-$	659.26	3/2$^-$	M1+E2		0.21 *11*	α(K)=0.16 *10*; α(L)=0.036 *7*; α(M)=0.0085 *14*; α(N+..)=0.0026 *5* Eγ=299, Iγ=2.4 for 298.6γ + 299.4γ + 299.8γ (1985Ro06).
304.1 *1*	0.8 *2*	1032.05	7/2$^-$	728.01	(5/2)$^-$	E2		0.096	α(K)=0.0595; α(L)=0.0272; α(M)=0.00679; α(N+..)=0.00208
304.3 *1*	2.1 *2*	897.55	(5/2,7/2,9/2)$^-$	593.32	5/2$^-$	E2		0.095	α(K)=0.0594; α(L)=0.0272; α(M)=0.00677; α(N+..)=0.00207 Eγ=304.4, Iγ=3.6 (1985Ro06).
305.0 *1*	1.1 *2*	615.65	(7/2)$^-$	310.58	7/2$^-$	E2		0.095	α(K)=0.0591; α(L)=0.0269; α(M)=0.00671; α(N+..)=0.00205
305.1 *1*	3.3 *3*	756.95	(7/2,9/2)$^-$	451.87	(9/2)$^-$	M1+E2	0.73	0.230	α(K)=0.183; α(L)=0.0359; α(M)=0.0084; α(N+..)=0.00262
307.0 *1*	0.7 *1*	897.55	(5/2,7/2,9/2)$^-$	590.71	7/2$^-$	M1+E2	1.7	0.144	α(K)=0.105; α(L)=0.0297; α(M)=0.00721; α(N+..)=0.00222
307.4 *1*	10.4 *10*	488.41	5/2$^-$	181.09	3/2$^-$	M1+E2	0.33	0.276	α(K)=0.226; α(L)=0.0385; α(M)=0.0089; α(N+..)=0.00278 Eγ=307.3, Iγ=11 (1985Ro06).
308.9 *1*	1.2 *2*	1032.51	5/2$^-$	723.54	3/2$^-$	E2		0.091	α(K)=0.0573; α(L)=0.0257; α(M)=0.00640; α(N+..)=0.00196
309.1 *1*	47 *5*	510.08	5/2$^-$	200.89	5/2$^-$	M1+E2	0.33	0.272	α(K)=0.222; α(L)=0.0379; α(M)=0.0088; α(N+..)=0.00273 Eγ=309.0, Iγ=50 (1985Ro06).
310.6 *1*	200 *20*	310.58	7/2$^-$	0.0	9/2$^+$	E1		0.0241	α(K)=0.0199; α(L)=0.00321; α(M)=0.00074; α(N+..)=0.00022 Eγ=310.4, Iγ=190 (1985Ro06).
311.6 *1*	1.6 *3*	699.54	5/2$^-$	387.91	(1/2)$^-$	E2		0.089	α(K)=0.0561; α(L)=0.0249; α(M)=0.00619; α(N+..)=0.00190 $I_{(\gamma+ce)}$: 1.7 from 1998Vo01.
313.5 *1*	1.1 *2*	958.95	3/2$^-$	645.38	1/2$^-$	M1+E2	1.7	0.136	α(K)=0.099; α(L)=0.0277; α(M)=0.00671; α(N+..)=0.00207
313.9 *1*	0.4 *1*	800.78	(9/2)$^-$	486.78	(9/2)$^-$	E0+M1			
[x]318.7 *1*	1.5 *3*								

$^{185}_{78}Pt_{107}$-8

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[@]	Comments
320.2 *1*	1.9 *4*	521.29	3/2$^-$	200.89	5/2$^-$	M1		0.265	α(K)=0.219; α(L)=0.0356; α(M)=0.00818; α(N+..)=0.00256 $I_{(\gamma+ce)}$: 2.4 from 1998Vo01. Eγ=320.3, Iγ=1.2 (1985Ro06).
322.2 *1*	0.5 *1*	746.30	(7/2,9/2)$^-$	424.09	(7/2)$^-$	M1+E2		0.17 *9*	α(K)=0.13 *9*; α(L)=0.029 *7*; α(M)=0.0068 *13*; α(N+..)=0.0021 *5*
322.3 *1*	2.0 *4*	915.60	(7/2)$^-$	593.32	5/2$^-$	M1		0.260	α(K)=0.215; α(L)=0.0350; α(M)=0.00804; α(N+..)=0.00251 Eγ=322.0, Iγ=3.6 (1985Ro06).
322.5 *1*	1.2 *2*	757.71	5/2$^-$	435.39	3/2$^-$	M1		0.260	α(K)=0.214; α(L)=0.0349; α(M)=0.00803; α(N+..)=0.00251
326.6 *1*	1.0 *2*	778.51	(7/2)$^-$	451.87	(9/2)$^-$	M1+E2		0.16 *9*	α(K)=0.13 *8*; α(L)=0.027 *7*; α(M)=0.0065 *13*; α(N+..)=0.0020 *5*
329.1 *1*	38 *4*	510.08	5/2$^-$	181.09	3/2$^-$	M1+E2	0.58	0.203	α(K)=0.164; α(L)=0.0299; α(M)=0.00695; α(N+..)=0.00217 Eγ=328.8, Iγ=38 (1985Ro06).
332.0 *1*	87 *9*	435.39	3/2$^-$	103.41	1/2$^-$	M1+E2	0.58	0.198	α(K)=0.160; α(L)=0.0291; α(M)=0.00678; α(N+..)=0.00211 Eγ=331.8, Iγ=72 (1985Ro06).
333.5 *1*	2.2 *2*	757.71	5/2$^-$	424.09	(7/2)$^-$	M1		0.237	α(K)=0.196; α(L)=0.0319; α(M)=0.00732; α(N+..)=0.00229 Eγ=332.4, Iγ=7.6 (1985Ro06).
335.4 *1*	0.9 *2*	723.54	3/2$^-$	387.91	(1/2)$^-$	M1+E2		0.15 *8*	α(K)=0.12 *8*; α(L)=0.025 *7*; α(M)=0.0060 *13*; α(N+..)=0.0018 *4* Eγ=335.1, Iγ=3.0 (1985Ro06).
340.1 *1*	0.1	728.01	(5/2)$^-$	387.91	(1/2)$^-$				
340.3 *1*	12.9 *13*	521.29	3/2$^-$	181.09	3/2$^-$	M1+E0			$I_{(\gamma+ce)}$: 15.8 from 1998Vo01. Eγ=340.1, Iγ=11 (1985Ro06).
340.6 *1*	0.5 *1*	955.49	(9/2,11/2)$^+$	614.80	(9/2)$^+$	M1		0.224	α(K)=0.185; α(L)=0.0301; α(M)=0.00692; α(N+..)=0.00216
343.2 *1*	3.7 *4*	778.51	(7/2)$^-$	435.39	3/2$^-$	E2		0.0674	α(K)=0.0442; α(L)=0.0175; α(M)=0.00433; α(N+..)=0.00133 Eγ=343.1, Iγ=3.3 (1985Ro06).
346.8 *1*	1.8 *4*	961.51	(5/2)$^+$	614.80	(9/2)$^+$	E2		0.0654	α(K)=0.0431; α(L)=0.0168; α(M)=0.00417; α(N+..)=0.00128 Eγ=346.7, Iγ=1.7 (1985Ro06).
348.7 *1*	3.6 *4*	659.26	3/2$^-$	310.58	7/2$^-$	E2		0.0644	α(K)=0.0426; α(L)=0.0165; α(M)=0.00409; α(N+..)=0.00125 Eγ=348.5, Iγ=3.8 (1985Ro06).
350.0 *1*	1.3 *3*	785.41	5/2$^-$	435.39	3/2$^-$	M1		0.208	α(K)=0.172; α(L)=0.0280; α(M)=0.00642; α(N+..)=0.00201
350.7 *1*	0.9 *2*	800.78	(9/2)$^-$	450.17	(7/2)$^-$	M1+E2		0.14 *8*	α(K)=0.11 *7*; α(L)=0.022 *6*; α(M)=0.0052 *12*; α(N+..)=0.0016 *4* Eγ=350.2, Iγ=2.0 (1985Ro06).
354.0 *1*	0.5 *1*	1060.72	(7/2)$^+$	706.62	(7/2)$^+$	M1+E2		0.13 *7*	α(K)=0.10 *7*; α(L)=0.021 *6*; α(M)=0.0051 *12*; α(N+..)=0.0016 *4*
354.5 *1*	7.0 *7*	778.51	(7/2)$^-$	424.09	(7/2)$^-$	M1+E2	1.0	0.131	α(K)=0.104; α(L)=0.0213; α(M)=0.00503; α(N+..)=0.00156 Eγ=354.3, Iγ=7.9 (1985Ro06).
361.4 *1*	1.5 *3*	785.41	5/2$^-$	424.09	(7/2)$^-$	M1+E2	1.0	0.125	α(K)=0.098; α(L)=0.0201; α(M)=0.00474; α(N+..)=0.00147 Eγ=361.1, Iγ=1.8 (1985Ro06).
364.2 *1*	0.7 *1*	816.09	(5/2)$^-$	451.87	(9/2)$^-$	E2		0.0570	α(K)=0.0383; α(L)=0.0142; α(M)=0.00350; α(N+..)=0.00107
365.8 *1*	1.4 *3*	958.95	3/2$^-$	593.32	5/2$^-$	M1		0.185	α(K)=0.153; α(L)=0.0249; α(M)=0.00570; α(N+..)=0.00178 Eγ=365.2, Iγ=1.8 (1985Ro06).
367.9 *1*	0.7 *1*	1060.72	(7/2)$^+$	693.05	(5/2)$^+$	M1+E2		0.12 *7*	α(K)=0.09 *6*; α(L)=0.019 *6*; α(M)=0.0045 *12*; α(N+..)=0.0014 *4*
369.8 *1*	0.7 *1*	757.71	5/2$^-$	387.91	(1/2)$^-$	E2		0.0547	α(K)=0.0369; α(L)=0.0134; α(M)=0.00331; α(N+..)=0.00102 Eγ=369, Iγ=2.4 (1985Ro06).
371.8 *1*	1.3 *3*	682.38	(11/2)$^-$	310.58	7/2$^-$	E2		0.0539	α(K)=0.0365; α(L)=0.0132; α(M)=0.00325; α(N+..)=0.00100 Eγ=372, Iγ≈0.9 (1985Ro06).
375.0 *1*	1.4 *3*	575.89	(9/2)$^-$	200.89	5/2$^-$				
378.0 *1*	0.4 *1*	968.78	(5/2,7/2,9/2)$^-$	590.71	7/2$^-$	E2		0.0515	α(K)=0.0350; α(L)=0.0124; α(M)=0.00307; α(N+..)=0.00094

$^{185}_{78}Pt_{107}$-9

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	δ‡	α@	Comments
380.7 *1*	1.7 *3*	816.09	(5/2)$^-$	435.39	3/2$^-$	M1+E2		0.11 *6*	α(K)=0.09 *6*; α(L)=0.017 *5*; α(M)=0.0041 *11*; α(N+..)=0.0013 *4*
385.0 *1*	45 *5*	488.41	5/2$^-$	103.41	1/2$^-$	E2		0.0490	α(K)=0.0335; α(L)=0.0117; α(M)=0.00288; α(N+..)=0.00088 Eγ=384.8, Iγ=38 (1985Ro06).
387.1 *1*	1.1 *2*	1032.51	5/2$^-$	645.38	1/2$^-$	E2		0.0483	α(K)=0.0331; α(L)=0.0115; α(M)=0.00282; α(N+..)=0.00086
388.8 *1*	0.3 *1*	699.54	5/2$^-$	310.58	7/2$^-$	M1		0.157	α(K)=0.130; α(L)=0.0211; α(M)=0.00484; α(N+..)=0.00151 $I_{(\gamma+ce)}$: 0.3 from 1998Vo01.
389.8 *1*	40 *4*	590.71	7/2$^-$	200.89	5/2$^-$	M1+E2	1.1	0.096	α(K)=0.0757; α(L)=0.0156; α(M)=0.00367; α(N+..)=0.00114 Eγ=389.6, Iγ=35 (1985Ro06).
391.9 *1*	1.8 *4*	816.09	(5/2)$^-$	424.09	(7/2)$^-$	E2		0.0467	α(K)=0.0322; α(L)=0.0110; α(M)=0.00270; α(N+..)=0.00083 Eγ=391.9, Iγ=6.6 (1985Ro06).
392.0 *1*	3.5 *4*	486.78	(9/2)$^-$	94.79	(11/2)$^+$	E1		0.0141	α(K)=0.0118; α(L)=0.00184; α(M)=0.00042; α(N+..)=0.00013
392.5 *1*	5.3 *5*	593.32	5/2$^-$	200.89	5/2$^-$	M1+E0			$I_{(\gamma+ce)}$: 6.1 from 1998Vo01.
394.9 *1*	2.5 *3*	846.73	(7/2)$^-$	451.87	(9/2)$^-$	M1+E2	1.7	0.0721	α(K)=0.0549; α(L)=0.0131; α(M)=0.00314; α(N+..)=0.00097 Eγ=394.8, Iγ=2.4 (1985Ro06).
399.2 *1*	1.1 *2*	1058.52	3/2$^-$	659.26	3/2$^-$	M1+E2		0.10 *6*	α(K)=0.08 *5*; α(L)=0.015 *5*; α(M)=0.0035 *10*; α(N+..)=0.0011 *4*
402.5 *1*	1.2 *2*	614.80	(9/2)$^+$	212.22	(13/2)$^+$				
406.7 *1*	5.7 *6*	510.08	5/2$^-$	103.41	1/2$^-$				Eγ=406.4, Iγ=4.2 (1985Ro06).
412.3 *1*	21.8 *22*	593.32	5/2$^-$	181.09	3/2$^-$	E2		0.0408	α(K)=0.0285; α(L)=0.0093; α(M)=0.00227; α(N+..)=0.00070 $I_{(\gamma+ce)}$: 22.7 from 1998Vo01. Eγ=412.0, Iγ=18 (1985Ro06).
413.3 *1*	0.6 *1*	1058.52	3/2$^-$	645.38	1/2$^-$	E2		0.0405	α(K)=0.0284; α(L)=0.0092; α(M)=0.00225; α(N+..)=0.00069
414.8 *1*	15.0 *15*	615.65	(7/2)$^-$	200.89	5/2$^-$	M1+E2	0.58	0.109	α(K)=0.089; α(L)=0.0156; α(M)=0.00360; α(N+..)=0.00112 Eγ=414.5, Iγ=13 (1985Ro06).
417.9 *1*	43 *4*	521.29	3/2$^-$	103.41	1/2$^-$	M1+E2	3.0	0.0484	α(K)=0.0356; α(L)=0.0097; α(M)=0.00235; α(N+..)=0.00072 $I_{(\gamma+ce)}$: 44.7 from 1998Vo01. Eγ=417.7, Iγ=38 (1985Ro06).
422.6 *1*	1.5 *3*	874.38	(7/2,9/2,11/2)$^-$	451.87	(9/2)$^-$	M1+E2	2.0	0.0558	α(K)=0.0424; α(L)=0.0102; α(M)=0.00245; α(N+..)=0.00075 Eγ=422.3, Iγ≈1 (1985Ro06).
422.8 *1*	2.6 *3*	846.73	(7/2)$^-$	424.09	(7/2)$^-$	M1+E2		0.08 *5*	α(K)=0.07 *4*; α(L)=0.013 *5*; α(M)=0.0030 *9*; α(N+..)=0.0009 *3* Eγ=422.6, Iγ≈2.6 (1985Ro06).
427.2 *1*	0.8 *2*	915.60	(7/2)$^-$	488.41	5/2$^-$	M1		0.122	α(K)=0.101; α(L)=0.0164; α(M)=0.00376; α(N+..)=0.00117
428.1 *1*	0.7 *1*	816.09	(5/2)$^-$	387.91	(1/2)$^-$	E2		0.0369	α(K)=0.0261; α(L)=0.00817; α(M)=0.00200; α(N+..)=0.00061
428.7 *1*	1.9 *4*	915.60	(7/2)$^-$	486.78	(9/2)$^-$	E2		0.0368	α(K)=0.0260; α(L)=0.00813; α(M)=0.00199; α(N+..)=0.00061 Eγ=428.4, Iγ=2.5 (1985Ro06).
433.0 *1*	1.0 *2*	1125.98	(1/2,3/2)$^+$	693.05	(5/2)$^+$	E2		0.0358	α(K)=0.0255; α(L)=0.00787; α(M)=0.00193; α(N+..)=0.00059 Eγ=432.9, Iγ=2.4 (1985Ro06).
433.1 *1*	0.6 *1*	743.69	(7/2,9/2,11/2)$^-$	310.58	7/2$^-$	E2		0.0358	α(K)=0.0254; α(L)=0.00787; α(M)=0.00193; α(N+..)=0.00059
434.6 *1*	0.7 *1*	615.65	(7/2)$^-$	181.09	3/2$^-$				
439.3 *1*	1.0 *2*	1032.51	5/2$^-$	593.32	5/2$^-$	E0+M1			
441.8 *1*	0.5 *1*	1032.51	5/2$^-$	590.71	7/2$^-$	M1+E2	1.0	0.0730	α(K)=0.0584; α(L)=0.0112; α(M)=0.00262; α(N+..)=0.00081
444.5 *1*	3.0 *3*	645.38	1/2$^-$	200.89	5/2$^-$	E2		0.0335	α(K)=0.0240; α(L)=0.00723; α(M)=0.00177; α(N+..)=0.00054 Eγ=444.4, Iγ=2.8 (1985Ro06).
445.1 *1*	0.7 *1*	657.40	(9/2,11/2)$^+$	212.22	(13/2)$^+$				

$^{185}_{78}Pt_{107}$-10

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	δ[‡]	α[@]	Comments
445.9 *1*	0.7 *1*	897.55	(5/2,7/2,9/2)$^-$	451.87	(9/2)$^-$	E2(+M1)		0.07 *4*	α(K)=0.06 *4*; α(L)=0.011 *4*; α(M)=0.0026 *8*; α(N+..)=0.0008 *3* Eγ=445.9, Iγ=1.3 (1985Ro06).
449.8 *1*	0.9 *2*	1065.36	7/2$^-$	615.65	(7/2)$^-$	M1(+E2)		0.07 *4*	α(K)=0.06 *4*; α(L)=0.011 *4*; α(M)=0.0025 *8*; α(N+..)=0.0008 *3* Eγ=449.8, Iγ=1.6 (1985Ro06).
451.9[&] *1*	1.3 *3*	451.87	(9/2)$^-$	0.0	9/2$^+$				
455.3 *1*	2.9 *3*	1249.60	(5/2,7/2,9/2)$^+$	794.30	7/2$^+$,9/2$^+$,11/2$^+$	M1+E2	0.82	0.0745	α(K)=0.0602; α(L)=0.0110; α(M)=0.00256; α(N+..)=0.00079 Eγ=455.1, Iγ=2.6, possible doublet (1985Ro06).
456.3 *1*	0.5 *1*	942.79	(7/2)$^-$	486.78	(9/2)$^-$				
458.3 *1*	4.2 *4*	659.26	3/2$^-$	200.89	5/2$^-$	M1+E2		0.07 *4*	α(K)=0.05 *3*; α(L)=0.010 *4*; α(M)=0.0024 *8*; α(N+..)=0.00073 *25* Eγ=458.1, Iγ=4.7 (1985Ro06).
[x]459.0[#]	1.8								
459.4 *1*	0.5 *3*	1187.41	(3/2,5/2,7/2)$^-$	728.01	(5/2)$^-$	M1		0.101	α(K)=0.083; α(L)=0.0135; α(M)=0.00310; α(N+..)=0.00097 Eγ=459.0, Iγ= 1.8 from 1985Ro06, transition unplaced in the level scheme.
463.7 *1*	1.4 *3*	915.60	(7/2)$^-$	451.87	(9/2)$^-$	E2		0.0301	α(K)=0.0218; α(L)=0.00631; α(M)=0.00154; α(N+..)=0.00047 Eγ=464.6, Iγ=1.0 (1985Ro06).
464.3 *1*	8.8 *9*	645.38	1/2$^-$	181.09	3/2$^-$	M1		0.098	α(K)=0.0812; α(L)=0.0131; α(M)=0.00302; α(N+..)=0.00094
467.7 *1*	0.4 *1*	1058.52	3/2$^-$	590.71	7/2$^-$	E2		0.0294	α(K)=0.0213; α(L)=0.00614; α(M)=0.00150; α(N+..)=0.00046
467.9 *1*	0.8 *2*	778.51	(7/2)$^-$	310.58	7/2$^-$	E2(+M1)		0.06 *4*	α(K)=0.05 *3*; α(L)=0.009 *4*; α(M)=0.0022 *8*; α(N+..)=0.00069 *24*
468.9 *1*	1.0 *2*	1161.95	$^+$	693.05	(5/2)$^+$	E2		0.0292	α(K)=0.0212; α(L)=0.00609; α(M)=0.00148; α(N+..)=0.00046 Eγ=468.5, Iγ=0.8 (1985Ro06).
473.4 *1*	1.3 *3*	897.55	(5/2,7/2,9/2)$^-$	424.09	(7/2)$^-$	E2		0.0286	α(K)=0.0208; α(L)=0.00591; α(M)=0.00144; α(N+..)=0.00044 Eγ=473.1, Iγ=1.2 (1985Ro06).
474.7 *1*	≤0.2	1065.36	7/2$^-$	590.71	7/2$^-$	E0			
474.8 *1*	2.6 *3*	785.41	5/2$^-$	310.58	7/2$^-$	E2		0.0283	α(K)=0.0206; α(L)=0.00586; α(M)=0.00143; α(N+..)=0.00044 Eγ=474.6, Iγ=2.3 (1985Ro06).
478.2 *1*	13.9 *14*	659.26	3/2$^-$	181.09	3/2$^-$	M1		0.091	α(K)=0.0751; α(L)=0.0121; α(M)=0.00279; α(N+..)=0.00087 Eγ=477.9, Iγ=8.9 (1985Ro06).
[x]478.5[#]	4.0								
480.5 *1*	0.7 *1*	915.60	(7/2)$^-$	435.39	3/2$^-$	E2		0.0275	α(K)=0.0201; α(L)=0.00564; α(M)=0.00137;

$^{185}_{78}Pt_{107}$-11

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	δ ‡	α @	Comments
									α(N+..)=0.00042 Eγ=480.7, Iγ=0.7 (1985Ro06).
486.9 *1*	4.7 *5*	486.78	(9/2)$^-$	0.0	9/2$^+$	E1		0.0088	α=0.0088; α(K)=0.00730; α(L)=0.00113; α(M)=0.00026 Eγ=486.8, Iγ=1.8 (1985Ro06).
489.3 *1*	1.8 *4*	1195.93	(3/2,5/2,7/2)$^+$	706.62	(7/2)$^+$	E2		0.0263	α(K)=0.0193; α(L)=0.00533; α(M)=0.00130; α(N+..)=0.00040
490.0 *1*	28 *3*	593.32	5/2$^-$	103.41	1/2$^-$	E2		0.0262	α(K)=0.0192; α(L)=0.00531; α(M)=0.00129; α(N+..)=0.00040 $I_{(\gamma+ce)}$: 28.7 from 1998Vo01. Eγ=489.6, Iγ=32, possible doublet (1985Ro06).
490.2 *1*	3.5 *4*	800.78	(9/2)$^-$	310.58	7/2$^-$	M1+E2	2.0	0.0380	α(K)=0.0294; α(L)=0.00651; α(M)=0.00155; α(N+..)=0.00048
490.9 *1*	0.8 *2*	942.79	(7/2)$^-$	451.87	(9/2)$^-$	M1		0.085	α(K)=0.0701; α(L)=0.0113; α(M)=0.00260; α(N+..)=0.00081
491.5 *1*	4.3 *4*	915.60	(7/2)$^-$	424.09	(7/2)$^-$	M1+E2	2.0	0.0377	α(K)=0.0292; α(L)=0.00646; α(M)=0.00154; α(N+..)=0.00048 Eγ=491.0, Iγ=6.3 (1985Ro06).
494.4 *1*	0.5 *1*	1015.69	1/2$^-$,3/2$^-$,5/2$^-$	521.29	3/2$^-$	M1(+E0)			
495.7 *1*	0.8 *2*	1223.75	(5/2,7/2)$^-$	728.01	(5/2)$^-$	M1		0.0827	α(K)=0.0683; α(L)=0.0110; α(M)=0.00254; α(N+..)=0.00079 Eγ=494.6, Iγ=0.8 (1985Ro06).
498.5 *1*	0.4 *1*	1226.61	(3/2)$^-$	728.01	(5/2)$^-$	M1		0.0815	α(K)=0.0673; α(L)=0.0109; α(M)=0.00250; α(N+..)=0.00078
498.7 *1*	2.6 *3*	699.54	5/2$^-$	200.89	5/2$^-$	E2		0.0251	α(K)=0.0185; α(L)=0.00503; α(M)=0.00122; α(N+..)=0.00038 $I_{(\gamma+ce)}$: 2.6 from 1998Vo01. Eγ=498.7, Iγ=2.7 (1985Ro06).
502.9 *1*	0.6 *1*	1195.93	(3/2,5/2,7/2)$^+$	693.05	(5/2)$^+$	M1(+E2)		0.05 *3*	α(K)=0.042 *24*; α(L)=0.008 *3*
505.3 *1*	1.6 *3*	816.09	(5/2)$^-$	310.58	7/2$^-$	E2		0.0244	α(K)=0.0179; α(L)=0.00483
508.5 *1*	2.1 *10*	996.83	(5/2)$^-$	488.41	5/2$^-$	(E0+M1)			
516.9 *1*	6.5 *7*	968.78	(5/2,7/2,9/2)$^-$	451.87	(9/2)$^-$	E2		0.0231	α(K)=0.0171; α(L)=0.00451 Eγ=516.9, Iγ=3.6 (1985Ro06).
518.5 *1*	8.3 *8*	699.54	5/2$^-$	181.09	3/2$^-$	M1+E2	0.65	0.0587	α(K)=0.0478; α(L)=0.00821 δ: from 1998Vo01. $I_{(\gamma+ce)}$: 8.8 from 1998Vo01.
518.8 *1*	7.8 *8*	942.79	(7/2)$^-$	424.09	(7/2)$^-$	M1+E2		0.05 *3*	α(K)=0.039 *22*; α(L)=0.007 *3* Eγ=518.6, Iγ=14 (1985Ro06).
519.2 *1*	1.2 *2*	954.56	(1/2)$^-$	435.39	3/2$^-$	M1+E2		0.05 *3*	α(K)=0.039 *22*; α(L)=0.007 *3*
520.0 *1*	15.6 *16*	614.80	(9/2)$^+$	94.79	(11/2)$^+$	E2		0.0227	α(K)=0.0168; α(L)=0.00443 Eγ=519.9, Iγ=12 (1985Ro06).
520.3 *1*	1.7 *3*	1179.55	1/2$^-$,3/2$^-$,5/2$^-$	659.26	3/2$^-$	M1+E2		0.05 *3*	α(K)=0.039 *22*; α(L)=0.007 *3*
522.5 *1*	4.8 *5*	1032.51	5/2$^-$	510.08	5/2$^-$	M1+E2		0.047 *25*	α(K)=0.038 *22*; α(L)=0.007 *3* Eγ=522.3, Iγ=4.9 (1985Ro06).
523.5 *1*	1.7 *3*	958.95	3/2$^-$	435.39	3/2$^-$	E0+M1			
523.8 *4*	2.4 *2*	1216.8	(3/2,5/2,7/2)$^+$	693.05	(5/2)$^+$	M1		0.0718	α(K)=0.0592; α(L)=0.0095 Eγ=523.3, Iγ=3.8 (1985Ro06).
526.1 *1*	0.2	914.22	5/2$^-$	387.91	(1/2)$^-$				
527.2 *1*	21.5 *22*	728.01	(5/2)$^-$	200.89	5/2$^-$	M1+E2	1.2	0.0415	α(K)=0.0332; α(L)=0.00630 Eγ=527.1, Iγ=21 (1985Ro06).

$^{185}_{78}Pt_{107}$-12

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult.‡	δ‡	α@	$I_{(\gamma+ce)}$ †	Comments
528.3 *1*	0.6 *1*	1322.69	(5/2,7/2)$^+$	794.30	7/2$^+$,9/2$^+$,11/2$^+$	M1+E2		0.046 *25*		α(K)=0.037 *21*; α(L)=0.007 *3*
535.0 *1*	1.6 *3*	1021.78	7/2$^-$	486.78	(9/2)$^-$	E2		0.0212		α(K)=0.0158; α(L)=0.00407 Eγ=535, Iγ≈3 (1985Ro06).
537.2 *1*	0.3 *1*	1058.52	3/2$^-$	521.29	3/2$^-$	E0				
537.5 *1*	≤0.1	972.87	3/2$^-$	435.39	3/2$^-$	E0				
542.0 *1*	≤0.3	645.38	1/2$^-$	103.41	1/2$^-$	E0+M1			1.7 *3*	
542.4 *1*	17.3 *17*	723.54	3/2$^-$	181.09	3/2$^-$	E0+M1				Eγ=542.2, Iγ=16 (1985Ro06).
542.9 *1*	1.8 *4*	1249.60	(5/2,7/2,9/2)$^+$	706.62	(7/2)$^+$	M1+E2	1.2	0.0386		α(K)=0.0308; α(L)=0.00581 Eγ=543.5, Iγ=2.0 (1985Ro06).
544.7 *1*	0.8 *5*	968.78	(5/2,7/2,9/2)$^-$	424.09	(7/2)$^-$	M1+E2		0.043 *23*		α(K)=0.034 *20*; α(L)=0.0062 *24*
^{x}546.4# *4*	2.9									
547.0 *1*	8.4 *8*	728.01	(5/2)$^-$	181.09	3/2$^-$	M1+E2		0.042 *22*		α(K)=0.034 *19*; α(L)=0.0062 *24* Eγ=547.4, Iγ=5.2 (1985Ro06).
548.4 *1*	2.1 *2*	1058.52	3/2$^-$	510.08	5/2$^-$	M1+E2		0.042 *22*		α(K)=0.034 *19*; α(L)=0.0061 *24*
555.3 *1*	1.4 *3*	1065.36	7/2$^-$	510.08	5/2$^-$	M1+E2		0.041 *22*		α(K)=0.033 *19*; α(L)=0.0059 *23*
555.9 *1*	22.0 *22*	659.26	3/2$^-$	103.41	1/2$^-$	M1		0.0615		α(K)=0.0507; α(L)=0.00814 Eγ=555.6, Iγ=23 (1985Ro06).
556.6 *1*	0.6 *1*	1249.60	(5/2,7/2,9/2)$^+$	693.05	(5/2)$^+$					
556.9 *1*	14.8 *15*	757.71	5/2$^-$	200.89	5/2$^-$	M1+E0				Eγ=556, Iγ=7 (1985Ro06).
562.2 *1*	1.3 *3*	1083.39	(3/2,5/2)$^-$	521.29	3/2$^-$	M1		0.0597		α(K)=0.0492; α(L)=0.00790 Eγ=562.2, Iγ=2.0 (1985Ro06).
562.5 *1*	1.1 *2*	657.40	(9/2,11/2)$^+$	94.79	(11/2)$^+$	M1		0.0597		α(K)=0.0492; α(L)=0.00789
566.5 *1*	≤1.0	954.56	(1/2)$^-$	387.91	(1/2)$^-$	E0				
570.9 *1*	1.4 *3*	958.95	3/2$^-$	387.91	(1/2)$^-$	M1+E2	1.5	0.0300		α(K)=0.0238; α(L)=0.00463 Eγ=570.7, Iγ=0.9 (1985Ro06).
572.9 *1*	2.3 *2*	996.83	(5/2)$^-$	424.09	(7/2)$^-$	M1+E2		0.037 *20*		α(K)=0.030 *17*; α(L)=0.0054 *21* Eγ=572.6, Iγ=1.6 (1985Ro06).
576.7 *1*	5.3 *5*	757.71	5/2$^-$	181.09	3/2$^-$					Eγ=576.2, Iγ=4.1 (1985Ro06).
577.5 *1*	4.1 *4*	778.51	(7/2)$^-$	200.89	5/2$^-$	M1+E2		0.037 *19*		α(K)=0.030 *17*; α(L)=0.0053 *21* Eγ=577.3, Iγ=4.1 (1985Ro06).
580.1 *1*	0.9 *2*	1032.05	7/2$^-$	451.87	(9/2)$^-$	M1+E2		0.036 *19*		α(K)=0.029 *16*; α(L)=0.0052 *21*
584.5 *1*	4.7 *5*	785.41	5/2$^-$	200.89	5/2$^-$	E0+M1				
596.1 *1*	1.4 *3*	1255.35	$^-$	659.26	3/2$^-$	E2		0.0165		α(K)=0.0125; α(L)=0.00297
596.2 *1*	14.0 *14*	699.54	5/2$^-$	103.41	1/2$^-$	(E2)		0.0165		α(K)=0.0125; α(L)=0.00297 $I_{(\gamma+ce)}$: 14.2 from 1998Vo01.
596.8 *1*	3.1 *3*	1032.05	7/2$^-$	435.39	3/2$^-$	E2		0.0165		α(K)=0.0125; α(L)=0.00296 Eγ=597.0, Iγ=9.7 (1985Ro06).
597.2 *1*	10.5 *11*	778.51	(7/2)$^-$	181.09	3/2$^-$	E2		0.0164		α(K)=0.0125; α(L)=0.00296 Eγ=597.3, Iγ=17 (1985Ro06).
602.6 *1*	1.6 *3*	1123.79	(3/2,5/2)$^-$	521.29	3/2$^-$	M1+E2		0.033 *17*		α(K)=0.027 *15*; α(L)=0.0047 *19* Eγ=603.3, Iγ=1.6 (1985Ro06).
603.6 *1*	0.4 *1*	1296.50	(3/2$^+$)	693.05	(5/2)$^+$	M1		0.0497		α(K)=0.0410; α(L)=0.00656
603.7 *1*	10.1 *10*	914.22	5/2$^-$	310.58	7/2$^-$	M1+E2		0.033 *17*		α(K)=0.027 *15*; α(L)=0.0047 *19*

$^{185}_{78}Pt_{107}$-13

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	α @	Comments
604.3 *1*	12.9 *13*	785.41	5/2⁻	181.09	3/2⁻	E2	0.0160	α(K)=0.0122; α(L)=0.00286 Eγ=604.3, Iγ=20, doublet (1985Ro06).
607.8 *1*	1.6 *3*	1032.05	7/2⁻	424.09	(7/2)⁻	E0+M1		Eγ=608.2, Iγ=1.5 (1985Ro06).
609.0 *1*	1.6 *3*	996.83	(5/2)⁻	387.91	(1/2)⁻	E2	0.0157	α(K)=0.0120; α(L)=0.00280 Eγ=608.4, Iγ=1 (1985Ro06).
611.8 *1*	7.3 *25*	706.62	(7/2)⁺	94.79	(11/2)⁺	E2	0.0156	α(K)=0.0119; α(L)=0.00276 Eγ=611.6, Iγ=6.9 (1985Ro06).
612.2 *1*	1.3 *10*	1335.78	(1/2⁻,3/2,5/2⁻)	723.54	3/2⁻			
614.8 *1*	8.1 *8*	614.80	(9/2)⁺	0.0	9/2⁺			Eγ=614.8, Iγ=11 (1985Ro06).
615.3 *1*	7.4 *7*	816.09	(5/2)⁻	200.89	5/2⁻	E2	0.0154	α(K)=0.0117; α(L)=0.00272 Eγ=615, Iγ=5 (1985Ro06).
615.7 *1*	13.0 *13*	615.65	(7/2)⁻	0.0	9/2⁺			Eγ=615.7, Iγ=8.1 (1985Ro06).
616.2 *1*	0.8 *2*	1322.69	(5/2,7/2)⁺	706.62	(7/2)⁺	M1	0.0471	α(K)=0.0388; α(L)=0.00621
616.5 *1*	3.1 *3*	1068.32	(7/2,9/2)⁻	451.87	(9/2)⁻	M1	0.0470	α(K)=0.0388; α(L)=0.00621
620.1 *1*	1.6 *3*	723.54	3/2⁻	103.41	1/2⁻			
623.1 *1*	≤0.1	1058.52	3/2⁻	435.39	3/2⁻	E0		
624.7 *1*	4.9 *5*	728.01	(5/2)⁻	103.41	1/2⁻			Eγ=624.7, Iγ=3.2 (1985Ro06).
626.0 *1*	0.6 *1*	1240.80		614.80	(9/2)⁺			
629.6 *1*	0.4 *1*	1322.69	(5/2,7/2)⁺	693.05	(5/2)⁺	M1(+E0)		
632.2 *1*	0.7 *1*	942.79	(7/2)⁻	310.58	7/2⁻	M1(+E0)		
633.4 *1*	1.2 *2*	1083.39	(3/2,5/2)⁻	450.17	(7/2)⁻	E2	0.0144	α(K)=0.0110; α(L)=0.00251 Eγ=633.3, Iγ=2.6 (1985Ro06).
635.1 *1*	13.4 *13*	816.09	(5/2)⁻	181.09	3/2⁻	E2	0.0143	α(K)=0.0110; α(L)=0.00249 Eγ=634.9, Iγ=13 (1985Ro06).
635.7 *1*	1.1 *2*	1211.56	(7/2,9/2)⁻	575.89	(9/2)⁻	E2	0.0143	α(K)=0.0110; α(L)=0.00249
641.2 *1*	1.2 *2*	1065.36	7/2⁻	424.09	(7/2)⁻			Eγ=641.5, Iγ= 1.5 from 1985Ro06, transition unplaced in the level scheme.
645.6 *1*	1.7 *3*	1097.47	⁻	451.87	(9/2)⁻	E2	0.0138	α(K)=0.0106; α(L)=0.00238
645.8 *1*	22.8 *23*	846.73	(7/2)⁻	200.89	5/2⁻	E2	0.0138	α(K)=0.0106; α(L)=0.00238 Eγ=645.7, Iγ=20 (1985Ro06).
[x]648.4 *1*	1.6 *3*							
651.4 *1*	5.4 *5*	746.15	⁺	94.79	(11/2)⁺	E2	0.0135	α(K)=0.0104; α(L)=0.00233 Eγ=651.3, Iγ=3.9 (1985Ro06).
654.2 *1*	8.0 *8*	757.71	5/2⁻	103.41	1/2⁻	E2	0.0134	α(K)=0.0103; α(L)=0.00230 Eγ=654.1, Iγ=6.0 (1985Ro06).
657.6 *1*	2.6 *3*	657.40	(9/2,11/2)⁺	0.0	9/2⁺	M1+E2	0.027 *14*	α(K)=0.022 *12*; α(L)=0.0038 *15* Eγ=657.6, Iγ=1.9 from 1985Ro06, transition unplaced in the level scheme.
[x]660.3 *1*	1.5 *3*							
664.2 *1*	0.7 *1*	1391.74	⁻	728.01	(5/2)⁻	E2	0.0129	α(K)=0.0100; α(L)=0.00221 Eγ=664.7,Iγ= 0.9 from 1985Ro06, transition unplaced in the level scheme.
665.5 *1*	1.2 *2*	846.73	(7/2)⁻	181.09	3/2⁻			

$^{185}_{78}Pt_{107}$-14

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	δ ‡	α @	Comments
666.1 *1*	1.4 *3*	1116.40	5/2$^-$,7/2$^-$,9/2$^-$	450.17	(7/2)$^-$	M1		0.0385	α(K)=0.0318; α(L)=0.00507 Eγ=666.2, Iγ=2.0 (1985Ro06).
670.7 *1*	1.2 *2*	1058.52	3/2$^-$	387.91	(1/2)$^-$	M1		0.0379	α(K)=0.0312; α(L)=0.00498 Eγ=670.7, Iγ=1.8 (1985Ro06).
672.9 *1*	9.4 *9*	767.74	$^+$	94.79	(11/2)$^+$	E2		0.0126	α(K)=0.0097; α(L)=0.00213 Eγ=673.0, Iγ=8.5 (1985Ro06).
673.4 *1*	0.6 *1*	1097.47	$^-$	424.09	(7/2)$^-$				
673.6 *1*	1.7 *3*	1123.79	(3/2,5/2)$^-$	450.17	(7/2)$^-$	E2		0.0126	α(K)=0.0097; α(L)=0.00213
677.1 *1*	1.2 *2*	1198.49	1/2$^-$,3/2$^-$,5/2$^-$	521.29	3/2$^-$	M1		0.0369	α(K)=0.0305; α(L)=0.00486
677.3 *1*	0.6 *1*	1370.35	(3/2,5/2,7/2)$^+$	693.05	(5/2)$^+$	M1		0.0369	α(K)=0.0305; α(L)=0.00486 Eγ=677.3, Iγ=1.4 (1985Ro06).
682.4 *4*	3.2 *3*	682.38	(11/2)$^-$	0.0	9/2$^+$	E1		0.00439	α=0.00439; α(K)=0.00366; α(L)=0.00055 Eγ=682.2, Iγ=1.2 (1985Ro06).
685.0 *1*	0.8 *2*	1136.87	(7/2,9/2,11/2)$^-$	451.87	(9/2)$^-$	M1		0.0359	α(K)=0.0296; α(L)=0.00472
691.1 *1*	0.7 *1*	1179.55	1/2$^-$,3/2$^-$,5/2$^-$	488.41	5/2$^-$				Eγ=691.6, Iγ=1.9 (1985Ro06).
693.0 *1*	39 *4*	693.05	(5/2)$^+$	0.0	9/2$^+$	E2		0.0118	α(K)=0.0092; α(L)=0.00197 Eγ=693.0, Iγ=36 (1985Ro06).
695.6 *1*	0.5 *1*	1083.39	(3/2,5/2)$^-$	387.91	(1/2)$^-$				
696.3 *1*	2.3 *2*	897.55	(5/2,7/2,9/2)$^-$	200.89	5/2$^-$	E2		0.0117	α(K)=0.0091; α(L)=0.00195 Eγ=696.2, Iγ=2.0 (1985Ro06).
x698.9 *1*	2.0 *4*								
699.0 *1*	0.5 *1*	1209.19		510.08	5/2$^-$				Eγ=698.9, Iγ=1.0 (1985Ro06).
706.6 *1*	26 *3*	706.62	(7/2)$^+$	0.0	9/2$^+$	M1		0.0331	α(K)=0.0273; α(L)=0.00435 Eγ=706.5, Iγ=25 (1985Ro06).
708.0 *1*	0.8 *2*	1196.61		488.41	5/2$^-$				
708.2 *1*	1.0 *2*	1158.37		450.17	(7/2)$^-$				
710.0 *1*	1.0 *2*	1198.49	1/2$^-$,3/2$^-$,5/2$^-$	488.41	5/2$^-$				
711.2 *1*	6.8 *7*	1021.78	7/2$^-$	310.58	7/2$^-$	E0+M1			Eγ=711.1, Iγ=6.1 (1985Ro06).
712.6 *4*	4.0 *20*	816.09	(5/2)$^-$	103.41	1/2$^-$				Eγ=712.6, Iγ=3.5 (1985Ro06).
712.8 *1*	1.3 *3*	1136.87	(7/2,9/2,11/2)$^-$	424.09	(7/2)$^-$				
x714.2 *1*	1.5 *3*								
x716.7 *1*	1.5 *3*								
721.4 *1*	≤0.6	1032.05	7/2$^-$	310.58	7/2$^-$	E0			
x723						E0			From 1987ZgZZ, 1987PaZR. Transition contains E0 component.
723.0 *1*	0.4 *1*	1211.56	(7/2,9/2)$^-$	488.41	5/2$^-$				
723.7 *1*	2.6 *3*	1159.14	(1/2,3/2,5/2$^-$)	435.39	3/2$^-$				Eγ=724.1, Iγ=4.0, doublet (1985Ro06).
724.4 *1*	0.8 *2*	1518.67	(3/2,5/2,7/2)$^+$	794.30	7/2$^+$,9/2$^+$,11/2$^+$	E2		0.0107	α(K)=0.0084; α(L)=0.00176
724.9 *1*	2.4 *2*	1211.56	(7/2,9/2)$^-$	486.78	(9/2)$^-$	M1+E2	1.2	0.0189	α(K)=0.0153; α(L)=0.00269
735.4 *1*	0.7 *1*	1223.75	(5/2,7/2)$^-$	488.41	5/2$^-$				
735.8 *1*	0.8 *2*	1123.79	(3/2,5/2)$^-$	387.91	(1/2)$^-$				
738.0 *1*	0.4 *1*	1125.98	(1/2,3/2)$^+$	387.91	(1/2)$^-$				
738.1 *1*	0.7 *1*	1226.61	(3/2)$^-$	488.41	5/2$^-$				

$^{185}_{78}Pt_{107}$-15

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Mult. ‡	α @	Comments
739.1 *1*	0.6 *1*	1384.48	(1/2,3/2,5/2$^-$)	645.38	1/2$^-$			
741.8 *1*	3.8 *4*	942.79	(7/2)$^-$	200.89	5/2$^-$			Eγ=742.0, Iγ=4.5 (1985Ro06).
742.3 *1*	1.2 *2*	1335.78	(1/2$^-$,3/2,5/2$^-$)	593.32	5/2$^-$			
743.4 *1*	2.0 *4*	955.49	(9/2,11/2)$^+$	212.22	(13/2)$^+$			Eγ=743.5, Iγ=2.3 (1985Ro06).
746.1 *1*	1.2 *2*	746.15	$^+$	0.0	9/2$^+$			Eγ=746.3, Iγ=1.4 (1985Ro06).
747.4 *1*	0.8 *2*	1234.18	(9/2)$^-$	486.78	(9/2)$^-$	E0+M1		Eγ=748.2, Iγ=1.0 (1985Ro06).
747.9& *1*	1.3 *3*	1058.52	3/2$^-$	310.58	7/2$^-$			
x755.0 *1*	1.3 *3*							
761.5 *1*	2.1 *2*	942.79	(7/2)$^-$	181.09	3/2$^-$			
763.7 *1*	0.8 *2*	1151.61	(1/2,3/2,5/2$^-$)	387.91	(1/2)$^-$			
767.7 *1*	7.6 *8*	767.74	$^+$	0.0	9/2$^+$	E2	0.0095	α=0.0095; α(K)=0.00746; α(L)=0.00152 Eγ=767.6, Iγ=6.1 (1985Ro06).
768.0 *1*	1.1 *2*	968.78	(5/2,7/2,9/2)$^-$	200.89	5/2$^-$			
770.3 *1*	1.0 *2*	1564.60	$^+$	794.30	7/2$^+$,9/2$^+$,11/2$^+$	M1	0.0266	α(K)=0.0219; α(L)=0.00348 Eγ=770.9, Iγ=0.6 (1985Ro06).
771.3 *1*	0.8 *2*	1159.14	(1/2,3/2,5/2$^-$)	387.91	(1/2)$^-$			
773.7 *1*	2.1 *2*	1283.80	(1/2$^-$,3/2,5/2$^-$)	510.08	5/2$^-$			
773.9 *1*	1.6 *3*	1209.19		435.39	3/2$^-$			Eγ=773.9, Iγ=2.6 (1985Ro06).
774.5 *1*	0.5 *1*	1162.41	(1/2,3/2,5/2$^-$)	387.91	(1/2)$^-$			
x777.0 *1*	2.0 *4*							Eγ=777.0, Iγ=0.7 (1985Ro06).
782.2 *1*	0.7 *1*	1505.69		723.54	3/2$^-$			
788.3 *1*	1.1 *2*	1223.75	(5/2,7/2)$^-$	435.39	3/2$^-$			
794.3 *1*	27 *3*	794.30	7/2$^+$,9/2$^+$,11/2$^+$	0.0	9/2$^+$	M1+E2	0.017 *8*	α(K)=0.014 *7*; α(L)=0.0023 *10* Eγ=794.3, Iγ=25 (1985Ro06).
795.8 *1*	4.7 *5*	996.83	(5/2)$^-$	200.89	5/2$^-$			Eγ=795.7, Iγ=4.7 (1985Ro06).
799.7 *1*	1.0 *2*	1223.75	(5/2,7/2)$^-$	424.09	(7/2)$^-$	M1	0.0241	α(K)=0.0199; α(L)=0.00316
x800.4 *1*	3.8 *4*							Eγ=800.3, Iγ=3.2 (1985Ro06).
805.9 *1*	3.1 *3*	1116.40	5/2$^-$,7/2$^-$,9/2$^-$	310.58	7/2$^-$	M1+E2	0.016 *8*	α(K)=0.013 *7*; α(L)=0.0022 *9* Eγ=805.9, Iγ=2.8 (1985Ro06).
x812.2 *1*	1.2 *2*							Eγ=812.3, Iγ=0.5 (1985Ro06).
815.7 *1*	6.6 *7*	996.83	(5/2)$^-$	181.09	3/2$^-$	M1+E2	0.016 *8*	α(K)=0.013 *7*; α(L)=0.0022 *9* Eγ=815.7, Iγ=5.1 (1985Ro06).
x819.2 *1*	1.3 *3*							
821.2 *1*	1.0 *2*	1412.11	7/2$^-$,9/2$^-$	590.71	7/2$^-$	M1	0.0226	α(K)=0.0186; α(L)=0.00295
822.0 *1*	0.4 *1*	1209.91	(1/2,3/2,5/2$^-$)	387.91	(1/2)$^-$			
825.6 *1*	0.6 *1*	1518.67	(3/2,5/2,7/2)$^+$	693.05	(5/2)$^+$	M1	0.0223	α(K)=0.0184; α(L)=0.00291 Eγ=825.6, Iγ=1.6 (1985Ro06).
825.8 *1*	0.9 *2*	1314.05		488.41	5/2$^-$			
831.1 *1*	5.3 *5*	1032.05	7/2$^-$	200.89	5/2$^-$	M1+E2	0.015 *7*	α(K)=0.012 *6*; α(L)=0.0021 *8* Eγ=831.1, Iγ=4.3 (1985Ro06).
x834.6 *1*	1.4 *3*							
x837.9 *1*	1.5 *3*							
838.0 *1*	0.7 *1*	1324.62	(7/2,9/2,11/2)$^-$	486.78	(9/2)$^-$	M1	0.0214	α(K)=0.0177; α(L)=0.00280

$^{185}_{78}Pt_{107}$-16

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	α[@]	Comments
838.7 *1*	1.1 *2*	1226.61	(3/2)$^-$	387.91	(1/2)$^-$	M1	0.0214	α(K)=0.0177; α(L)=0.00279
841.1 *1*	0.6 *1*	1276.47		435.39	3/2$^-$			
848.4 *1*	1.3 *3*	1283.80	(1/2$^-$,3/2,5/2$^-$)	435.39	3/2$^-$			Eγ=848.1, Iγ=1.4 (1985Ro06).
851.1 *1*	5.5 *6*	1032.05	7/2$^-$	181.09	3/2$^-$	E2	0.00765	α=0.00765; α(K)=0.00609; α(L)=0.00118 Eγ=851.0, Iγ=4.4 (1985Ro06).
855.2[&] *1*	4.0 *4*	958.95	3/2$^-$	103.41	1/2$^-$	E2	0.00758	α=0.00758; α(K)=0.00603; α(L)=0.00116 Eγ=855.2, Iγ=2.7 (1985Ro06).
859.7 *1*	0.8 *2*	1450.20	(3/2$^-$,5/2,7/2$^-$)	590.71	7/2$^-$			
860.8 *1*	2.8 *3*	955.49	(9/2,11/2)$^+$	94.79	(11/2)$^+$	E2	0.00747	α=0.00747; α(K)=0.00595; α(L)=0.00114 Eγ=860.5, Iγ=2.6 (1985Ro06).
864.5 *1*	1.2 *2*	1065.36	7/2$^-$	200.89	5/2$^-$			
867.4 *1*	1.5 *3*	1068.32	(7/2,9/2)$^-$	200.89	5/2$^-$			
874.3 *1*	0.8 *2*	1324.62	(7/2,9/2,11/2)$^-$	450.17	(7/2)$^-$			
876.7 *1*	1.8 *4*	1187.41	(3/2,5/2,7/2)$^-$	310.58	7/2$^-$	E2	0.00720	α=0.00720; α(K)=0.00574; α(L)=0.00109
878.5 *1*	1.4 *3*	1314.05		435.39	3/2$^-$			
884.2 *1*	1.2 *2*	1065.36	7/2$^-$	181.09	3/2$^-$			
[x]888.3 *1*	2.5 *3*							
895.9 *1*	0.6 *1*	1283.80	(1/2$^-$,3/2,5/2$^-$)	387.91	(1/2)$^-$			
[x]900.2 *1*	2.0 *4*							
900.3 *1*	1.0 *2*	1335.78	(1/2$^-$,3/2,5/2$^-$)	435.39	3/2$^-$			
904.5 *1*	0.4 *1*	1391.74	$^-$	488.41	5/2$^-$			
[x]908.9 *1*	1.3 *3*							
[x]914.0 *1*	2.4 *2*							
915.5 *1*	2.2 *2*	915.60	(7/2)$^-$	0.0	9/2$^+$			
[x]916.3 *1*	2.0 *4*							
[x]923.2 *1*	2.2 *2*							
928.8[&] *1*	2.3 *2*	1032.51	5/2$^-$	103.41	1/2$^-$			
[x]936.1 *1*	1.3 *3*							
945.2 *1*	6.3 *6*	1039.90	$^+$	94.79	(11/2)$^+$	E2	0.00618	α=0.00618; α(K)=0.00497; α(L)=0.00092 Eγ=945.1, Iγ=5.3 (1985Ro06).
948.2 *1*	0.6 *1*	1335.78	(1/2$^-$,3/2,5/2$^-$)	387.91	(1/2)$^-$			Eγ=947.9, Iγ=1.2 (1985Ro06).
[x]950.1 *1*	0.7 *1*							Eγ=950.1, Iγ=0.7 (1985Ro06).
955.4 *1*	6.0 *6*	955.49	(9/2,11/2)$^+$	0.0	9/2$^+$	M1+E2	0.011 *5*	α(K)=0.009 *4*; α(L)=0.0014 *6* Eγ=955.3, Iγ=4.7 (1985Ro06).
961.5 *1*	4.5 *5*	961.51	(5/2)$^+$	0.0	9/2$^+$	E2	0.00598	α=0.00598; α(K)=0.00480; α(L)=0.00088 Eγ=961.5, Iγ=3.4 (1985Ro06).
965.9 *1*	1.6 *3*	1060.72	(7/2)$^+$	94.79	(11/2)$^+$			
[x]977.4 *1*	0.6 *1*							Eγ=977.4, Iγ=0.6 (1985Ro06).
979.5 *1*	3.9 *4*	1083.39	(3/2,5/2)$^-$	103.41	1/2$^-$			Eγ=979.8,Iγ= 2.3 from 1985Ro06, transition unplaced in the level scheme.
[x]981.2[#]	1.7							
982.3 *1*	0.5 *1*	1406.11	(3/2,5/2)$^-$	424.09	(7/2)$^-$			
986.6 *1*	2.2 *2*	1187.41	(3/2,5/2,7/2)$^-$	200.89	5/2$^-$			Eγ=986.5, Iγ=1.5 (1985Ro06).
995.9 *1*	1.4 *3*	1196.61		200.89	5/2$^-$			

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ[†]	I_γ[†]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[‡]	α[@]	Comments
1006.4 *1*	2.3 *2*	1187.41	$(3/2,5/2,7/2)^-$	181.09	$3/2^-$			
1017.6 *1*	2.0 *4*	1198.49	$1/2^-,3/2^-,5/2^-$	181.09	$3/2^-$			
1018.1 *1*	0.6 *1*	1406.11	$(3/2,5/2)^-$	387.91	$(1/2)^-$			
1025.7 *1*	2.9 *3*	1226.61	$(3/2)^-$	200.89	$5/2^-$			
1039.8 *1*	2.1 *2*	1039.90	$^+$	0.0	$9/2^+$			
1045.7 *1*	2.1 *2*	1226.61	$(3/2)^-$	181.09	$3/2^-$			
1054.1 *1*	0.9 *2*	1540.88		486.78	$(9/2)^-$			
[x]1058.6 *1*	1.3 *3*							Eγ=1058.5, Iγ=1.3 (1985Ro06).
1060.7 *1*	4.4 *4*	1060.72	$(7/2)^+$	0.0	$9/2^+$	M1+E2	0.008 *4*	α(K)=0.007 *3*; α(L)=0.0011 *5* Eγ=1060.5, Iγ=3.3 (1985Ro06).
[x]1066.3 *1*	1.5 *3*							Eγ=1066.3, Iγ=1.5 (1985Ro06).
1070.3 *1*	3.1 *3*	1505.69		435.39	$3/2^-$			Eγ=1070.4, Iγ=2.3 (1985Ro06).
1072.3 *1*	1.9 *4*	1273.20		200.89	$5/2^-$			
1075.4 *1*	1.9 *4*	1256.49		181.09	$3/2^-$			Eγ=1075.3, Iγ=1.3 from 1985Ro06, transition unplaced in the level scheme.
1093.3 *1*	2.3 *2*	1294.20		200.89	$5/2^-$			
[x]1095.2 *1*	1.5 *3*							
1099.3 *1*	1.5 *3*	1194.09		94.79	$(11/2)^+$			
[x]1106.7 *1*	1.4 *3*							
[x]1115.3 *1*	1.5 *3*							
[x]1135.3 *1*	2.0 *4*							
1138.5 *1*	1.0 *2*	1233.30		94.79	$(11/2)^+$			
[x]1141.0 *1*	1.2 *2*							
[x]1150.4 *1*	1.2 *2*							
[x]1153.4 *1*	2.2 *2*							
[x]1164.1 *1*	1.2 *2*							
[x]1168.7 *1*	1.3 *3*							
1180.4 *1*	2.0 *4*	1283.80	$(1/2^-,3/2,5/2^-)$	103.41	$1/2^-$			Eγ=1180.0, Iγ=1.3 from 1985Ro06, transition unplaced in the level scheme.
[x]1188.0 *1*	1.5 *3*							Eγ=1187.0, Iγ=1.1 (1985Ro06).
1192.9 *1*	3.3 *3*	1296.50	$(3/2^+)$	103.41	$1/2^-$			Eγ=1192.5, Iγ=2.1 from 1985Ro06, transition unplaced in the level scheme.
[x]1195.0 *1*	1.3 *3*							Eγ=1194.0, Iγ=1.3 (1985Ro06).
[x]1200.9 *1*	1.3 *3*							
[x]1215.9 *1*	1.5 *3*							
1224.9 *1*	1.6 *3*	1406.11	$(3/2,5/2)^-$	181.09	$3/2^-$			
1225.0 *1*	1.1 *2*	1319.80		94.79	$(11/2)^+$			
[x]1239.1 *1*	2.9 *3*							
1243.8 *1*	1.3 *3*	1667.90		424.09	$(7/2)^-$			
1250.9 *1*	2.1 *2*	1345.70		94.79	$(11/2)^+$			
1256.6 *1*	2.5 *3*	1567.19		310.58	$7/2^-$			
1265.8 *1*	4.9 *5*	1446.89		181.09	$3/2^-$			
1268.9 *1*	2.0 *4*	1450.20	$(3/2^-,5/2,7/2^-)$	181.09	$3/2^-$			
[x]1273.9 *1*	1.1 *2*							
[x]1283.1 *1*	1.3 *3*							
1289.5 *2*	1.0 *2*	1776.28		486.78	$(9/2)^-$			
[x]1297.3 *1*	4.3 *4*							

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γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π	Comments
1302.5 *1*	1.0 *2*	1726.60		424.09	$(7/2)^-$	
1304.8 *1*	2.2 *2*	1505.69		200.89	$5/2^-$	
x1310.3 *1*	1.6 *3*					
x1318.0 *1*	1.3 *3*					
1324.6 *1*	8.3 *8*	1505.69		181.09	$3/2^-$	Eγ=1323.8, Iγ=5.4 (1985Ro06).
x1340.1 *1*	1.5 *3*					
x1347.2 *1*	0.9 *2*					
1348.0 *1*	1.2 *2*	1442.80		94.79	$(11/2)^+$	
x1351.6 *1*	1.2 *2*					
x1371.4 *1*	1.7 *3*					
x1378.1 *1*	1.2 *2*					
1381.5 *1*	1.8 *4*	1582.41		200.89	$5/2^-$	
x1385.8 *1*	1.4 *3*					
x1396.5 *1*	2.0 *4*					
x1400.3 *1*	1.6 *3*					
1412.3 *1*	4.0 *4*	1412.11	$7/2^-$,$9/2^-$	0.0	$9/2^+$	
x1415.4 *1*	1.5 *3*					
x1420.0 *1*	1.7 *3*					
x1423.8 *1*	1.3 *3*					
x1426.1 *1*	2.0 *4*					
x1441.7 *1*	1.5 *3*					
x1456.2 *1*	1.3 *3*					
x1463.2 *1*	1.2 *2*					
x1479.9 *1*	1.3 *3*					
x1489.4 *1*	1.8 *4*					
x1491.6 *1*	1.2 *2*					
x1500.1 *1*	2.3 *2*					
x1506.9 *1*	2.4 *2*					
x1517.5 *1*	2.7 *3*					
x1521.0 *1*	1.8 *4*					
x1527.4 *1*	2.0 *4*					
x1542.9 *1*	1.5 *3*					
x1554.4 *1*	1.8 *4*					
1556.8 *1*	2.5 *3*	1757.70		200.89	$5/2^-$	
x1565.0 *1*	1.5 *3*					
x1576.5 *1*	1.6 *3*					
x1581.5 *1*	1.4 *3*					
x1586.8 *1*	1.3 *3*					
x1607.3 *1*	2.1 *2*					
x1624.0 *1*	2.7 *3*					
x1636.0 *1*	1.4 *3*					
x1647.0 *1*	2.0 *4*					
x1651.4 *1*	1.7 *3*					
x1657.5 *1*	1.3 *3*					

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^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π
x1667.9 *1*	1.5 *3*				
1673.7 *1*	1.5 *3*	2109.08		435.39	3/2⁻
x1681.6 *1*	1.9 *4*				
x1705.1 *1*	1.4 *3*				
x1715.0 *1*	2.0 *4*				
x1727.5 *1*	2.4 *2*				
x1731.0 *1*	2.2 *2*				
x1743.8 *1*	1.4 *3*				
1745.5 *1*	2.2 *2*	2539.77		794.30	7/2⁺,9/2⁺,11/2⁺
x1751.3 *1*	2.1 *2*				
x1764.3 *1*	2.2 *2*				
x1777.4 *1*	2.0 *4*				
x1780.6 *1*	3.5 *4*				
1780.8 *1*	2.6 *3*	1961.90		181.09	3/2⁻
x1792.0 *1*	2.5 *3*				
x1794.5 *1*	2.6 *3*				
x1801.3 *1*	1.4 *3*				
x1803.5 *1*	2.2 *2*				
1808.6 *1*	1.9 *4*	2536.63		728.01	(5/2)⁻
1809.9 *1*	1.8 *4*	2577.65		767.74	+
x1818.3 *1*	1.7 *3*				
x1820.0 *1*	1.3 *3*				
x1824.2 *1*	1.3 *3*				
x1830.0 *1*	2.6 *3*				
x1832.0 *1*	1.5 *3*				
x1835.2 *1*	1.7 *3*				
1836.3 *1*	1.2 *2*	2559.96	(5/2,7/2)⁻	723.54	3/2⁻
1839.0 *1*	2.2 *2*	2484.39	(1/2,3/2,5/2⁻)	645.38	1/2⁻
1843.2 *1*	1.9 *4*	2566.98	(1/2⁻,3/2,5/2⁻)	723.54	3/2⁻
1846.6 *1*	0.8 *2*	2539.77		693.05	(5/2)⁺
x1847.3 *1*	1.2 *2*				
x1850.0 *1*	1.4 *3*				
1850.3 *1*	1.7 *3*	2578.43		728.01	(5/2)⁻
x1856.1 *1*	1.5 *3*				
1863.9 *1*	0.9 *2*	2315.84	(5/2,7/2)⁻	451.87	(9/2)⁻
1864.4 *1*	0.9 *2*	2587.97	(3/2⁻,5/2,7/2⁻)	723.54	3/2⁻
1867.4 *1*	1.2 *2*	2566.98	(1/2⁻,3/2,5/2⁻)	699.54	5/2⁻
1868.5 *1*	1.9 *4*	2561.48	(3/2⁻,5/2,7/2⁻)	693.05	(5/2)⁺
x1873.5 *1*	1.4 *3*				
1894.8 *1*	0.8 *2*	2587.97	(3/2⁻,5/2,7/2⁻)	693.05	(5/2)⁺
1897.7 *1*	2.2 *2*	2625.76		728.01	(5/2)⁻
x1899.8 *1*	2.2 *2*				
x1902.6 *1*	1.7 *3*				
1907.6& *1*	3.4 *3*	2566.98	(1/2⁻,3/2,5/2⁻)	659.26	3/2⁻
1916.6 *1*	1.5 *3*	2609.88		693.05	(5/2)⁺
x1920.8 *1*	2.4 *2*				
x1923.5 *1*	1.5 *3*				
x1933.6 *1*	1.3 *3*				
x1938.4 *1*	2.6 *3*				
x1942.4 *1*	1.7 *3*				
x1962.0 *1*	4.4 *4*				
x1967.2 *1*	1.5 *3*				
1970.5 *1*	1.4 *3*	2561.48	(3/2⁻,5/2,7/2⁻)	590.71	7/2⁻
x1971.3 *1*	1.7 *3*				
x1981.7 *1*	2.2 *2*				
x1985.5 *1*	1.8 *4*				
1993.1 *1*	1.2 *2*	2586.74		593.32	5/2⁻
x1994.7 *1*	2.5 *3*				
2005.2 *1*	5.6 *6*	2620.11	(5/2⁺,7/2,9/2⁺)	614.80	(9/2)⁺
x2009.3 *1*	1.7 *3*				
x2013.9 *1*	2.3 *2*				
x2018.8 *1*	2.3 *2*				
x2027.3 *1*	1.3 *3*				
2029.7& *1*	1.9 *4*	2539.77		510.08	5/2⁻
x2045.6 *1*	1.7 *3*				
x2050.0 *1*	1.8 *4*				
x2052.3 *1*	1.2 *2*				
2053.7 *1*	1.8 *4*	2540.35		486.78	(9/2)⁻
2057.0 *1*	3.6 *4*	2566.98	(1/2⁻,3/2,5/2⁻)	510.08	5/2⁻
2066.9 *1*	1.6 *3*	2766.45		699.54	5/2⁻
2068.0 *1*	1.8 *4*	2578.43		510.08	5/2⁻
x2068.1 *1*	3.0 *3*				
2071.3 *1*	1.9 *4*	2559.96	(5/2,7/2)⁻	488.41	5/2⁻
2073.6 *1*	2.0 *4*	2559.96	(5/2,7/2)⁻	486.78	(9/2)⁻
x2077.0 *1*	1.6 *3*				
x2089.7 *1*	1.5 *3*				
2094.1 *1*	2.0 *4*	2580.89		486.78	(9/2)⁻
2098.2 *1*	1.9 *4*	2586.74		488.41	5/2⁻
2109.7 *1*	3.7 *4*	2559.96	(5/2,7/2)⁻	450.17	(7/2)⁻
2115.6 *1*	2.4 *2*	2625.76		510.08	5/2⁻
2125.0 *1*	2.1 *2*	2549.11		424.09	(7/2)⁻
2126.3 *1*	1.0 *2*	2561.48	(3/2⁻,5/2,7/2⁻)	435.39	3/2⁻
2134.8 *1*	2.7 *3*	2315.84	(5/2,7/2)⁻	181.09	3/2⁻
2135.2 *1*	2.3 *2*	2559.33	(3/2⁻,5/2,7/2⁻)	424.09	(7/2)⁻
x2144.7 *1*	1.7 *3*				
2155.2 *1*	1.4 *3*	2748.53		593.32	5/2⁻
2156.8 *1*	2.9 *3*	2580.89		424.09	(7/2)⁻
x2160.8 *1*	1.5 *3*				

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^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01 (continued)

γ(^{185}Pt) (continued)

E_γ †	I_γ †	E_i(level)	J_i^π	E_f	J_f^π
2164.0 *1*	2.3 *2*	2587.97	(3/2$^-$,5/2,7/2$^-$)	424.09	(7/2)$^-$
x2168.0 *1*	1.5 *3*				
x2172.2 *1*	1.3 *3*				
2179.3 *1*	1.3 *3*	2566.98	(1/2$^-$,3/2,5/2$^-$)	387.91	(1/2)$^-$
x2184.4 *1*	1.3 *3*				
x2189.5 *1*	1.4 *3*				
x2211.9 *1*	1.3 *3*				
2224.9 *1*	2.2 *2*	2649.01		424.09	(7/2)$^-$
2229.2 *1*	3.1 *3*	2539.77		310.58	7/2$^-$
2241.0 *1*	1.9 *4*	2762.31		521.29	3/2$^-$
x2270.5 *1*	1.5 *3*				
x2282.5 *1*	1.3 *3*				
2299.5 *1*	1.8 *4*	2609.88		310.58	7/2$^-$
2315.3 *1*	1.9 *4*	2625.76		310.58	7/2$^-$
2321.5 *1*	2.2 *2*	2831.60		510.08	5/2$^-$
2330.4 *1*	0.8 *2*	2765.74		435.39	3/2$^-$
x2342.8 *1*	2.0 *4*				
x2346.9 *1*	1.3 *3*				
x2354.7 *1*	2.0 *4*				
x2357.7 *1*	1.4 *3*				
2360.6 *1*	5.2 *5*	2561.48	(3/2$^-$,5/2,7/2$^-$)	200.89	5/2$^-$
x2366.1 *1*	1.4 *3*				
2378.0 *1*	3.1 *3*	2578.43		200.89	5/2$^-$
2378.3 *1*	2.3 *2*	2559.33	(3/2$^-$,5/2,7/2$^-$)	181.09	3/2$^-$
x2385.6 *1*	1.5 *3*				
2386.2 *1*	3.6 *4*	2586.74		200.89	5/2$^-$
x2396.6 *1*	1.4 *3*				
2397.2 *1*	1.6 *3*	2578.43		181.09	3/2$^-$
2405.4 *1*	1.0 *2*	2792.99	(1/2$^-$,3/2,5/2$^-$)	387.91	(1/2)$^-$
2419.3 *1*	2.3 *2*	2620.11	(5/2$^+$,7/2,9/2$^+$)	200.89	5/2$^-$
2463.5 *1*	3.7 *4*	2566.98	(1/2$^-$,3/2,5/2$^-$)	103.41	1/2$^-$
2472.8 *1*	2.0 *10*	2673.71		200.89	5/2$^-$
x2473.7 *1*	1.3 *10*				
2540.2 *1*	3.4 *3*	2540.35		0.0	9/2$^+$
2563.8 *1*	1.6 *3*	2764.93	(1/2$^-$,3/2,5/2$^-$)	200.89	5/2$^-$
x2580.4 *1*	1.5 *3*				
2584.6 *1*	1.8 *4*	2765.74		181.09	3/2$^-$
2591.8 *1*	1.8 *4*	2792.99	(1/2$^-$,3/2,5/2$^-$)	200.89	5/2$^-$
x2598.3 *1*	1.6 *3*				
2603.7 *1*	1.8 *4*	2804.69	(1/2$^-$,3/2,5/2$^-$)	200.89	5/2$^-$
2623.7 *1*	2.2 *2*	2804.69	(1/2$^-$,3/2,5/2$^-$)	181.09	3/2$^-$
2657.9 *1*	1.9 *4*	2761.33	(1/2,3/2,5/2$^-$)	103.41	1/2$^-$
2661.7 *1*	0.7 *1*	2764.93	(1/2$^-$,3/2,5/2$^-$)	103.41	1/2$^-$
2689.5 *1*	2.3 *2*	2792.99	(1/2$^-$,3/2,5/2$^-$)	103.41	1/2$^-$
2701.3 *1*	1.6 *3*	2804.69	(1/2$^-$,3/2,5/2$^-$)	103.41	1/2$^-$

† From 2003ScZW, unless otherwise specified.
‡ From electron measurements of 2003ScZW. For α(K)exp and subshell ratios of earlier measurements, please see 1995Br04.
# Observed by 1985Ro06 only, ΔEγ≈0.2 keV, ΔIγ≈15%.
@ 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.
& Placement of transition in the level scheme is uncertain.
x γ ray not placed in level scheme.

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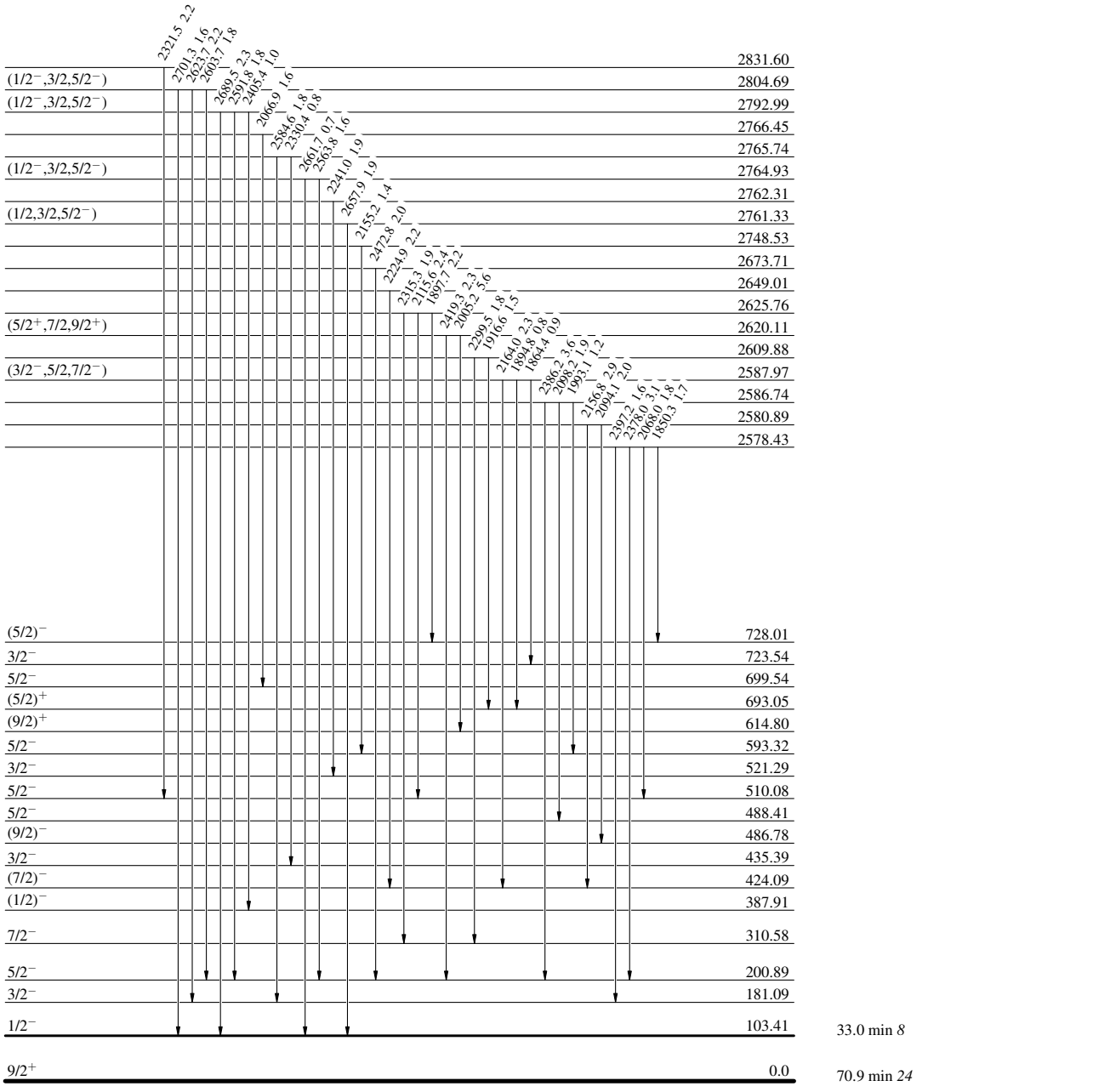
^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme

Intensities: Relative I_γ

Legend

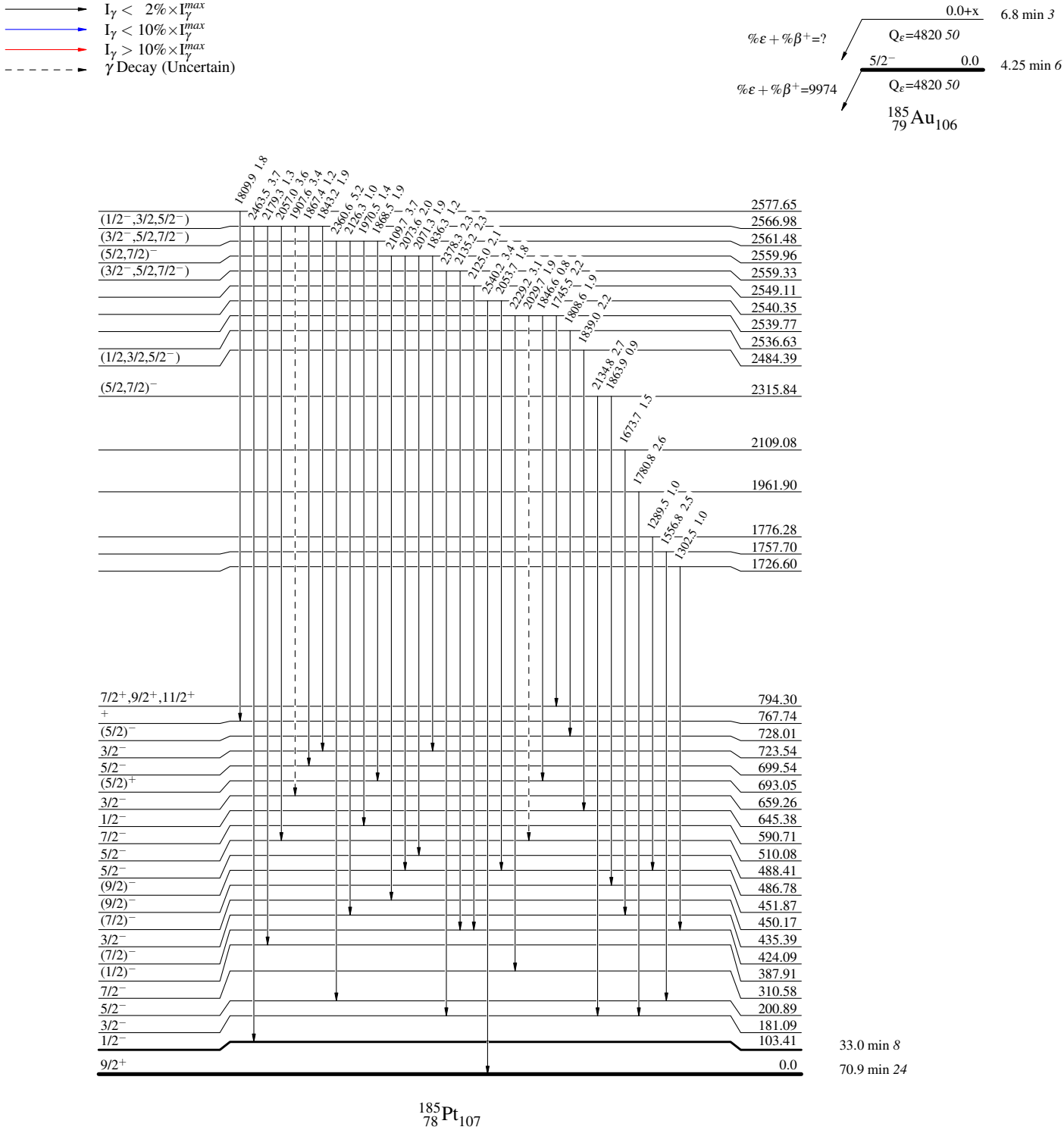
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

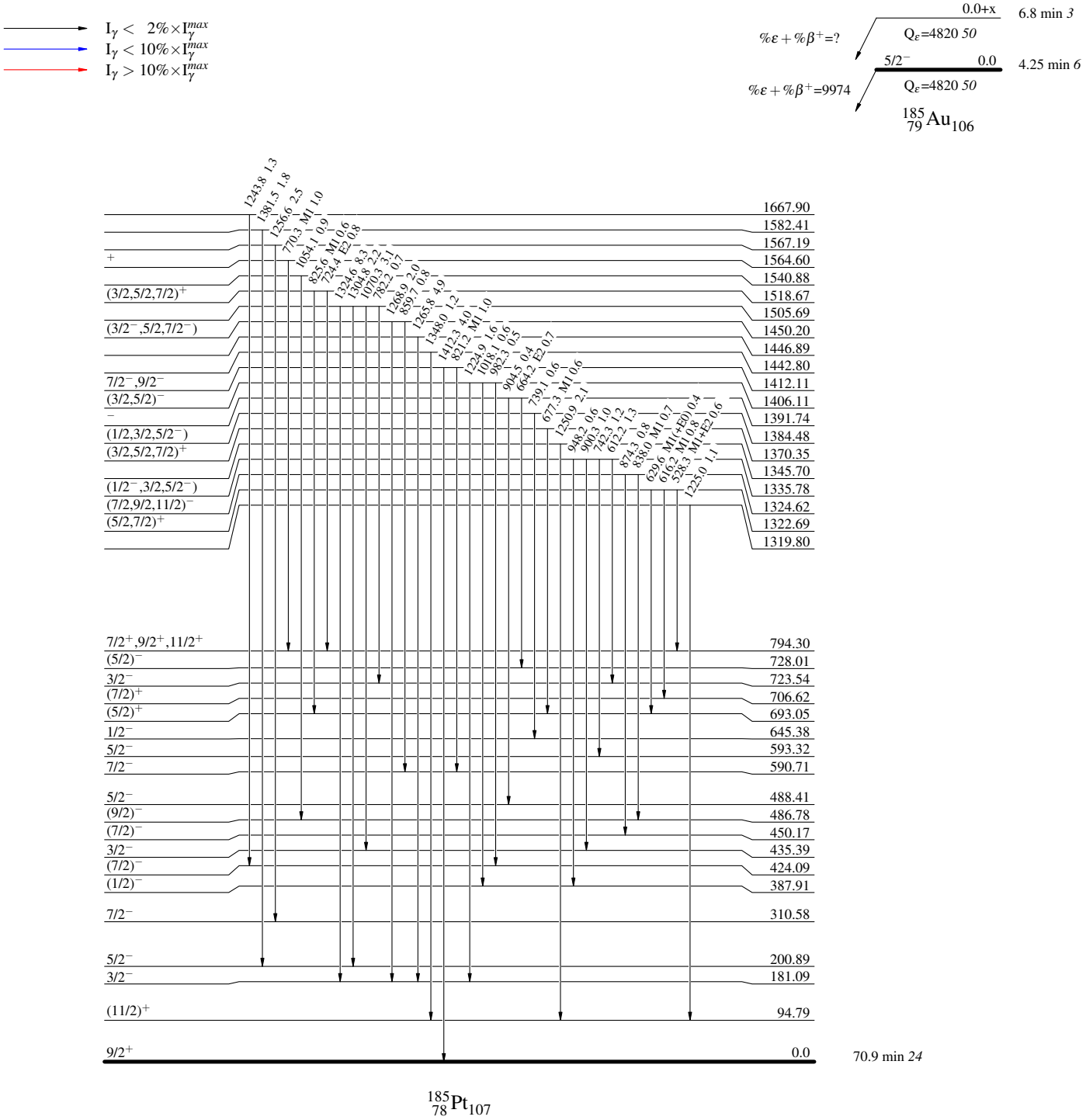
Intensities: Relative I_γ



^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

Intensities: Relative I_γ



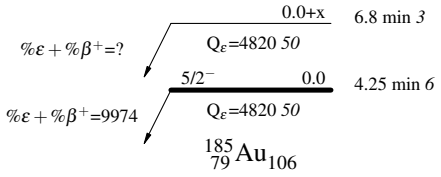
^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

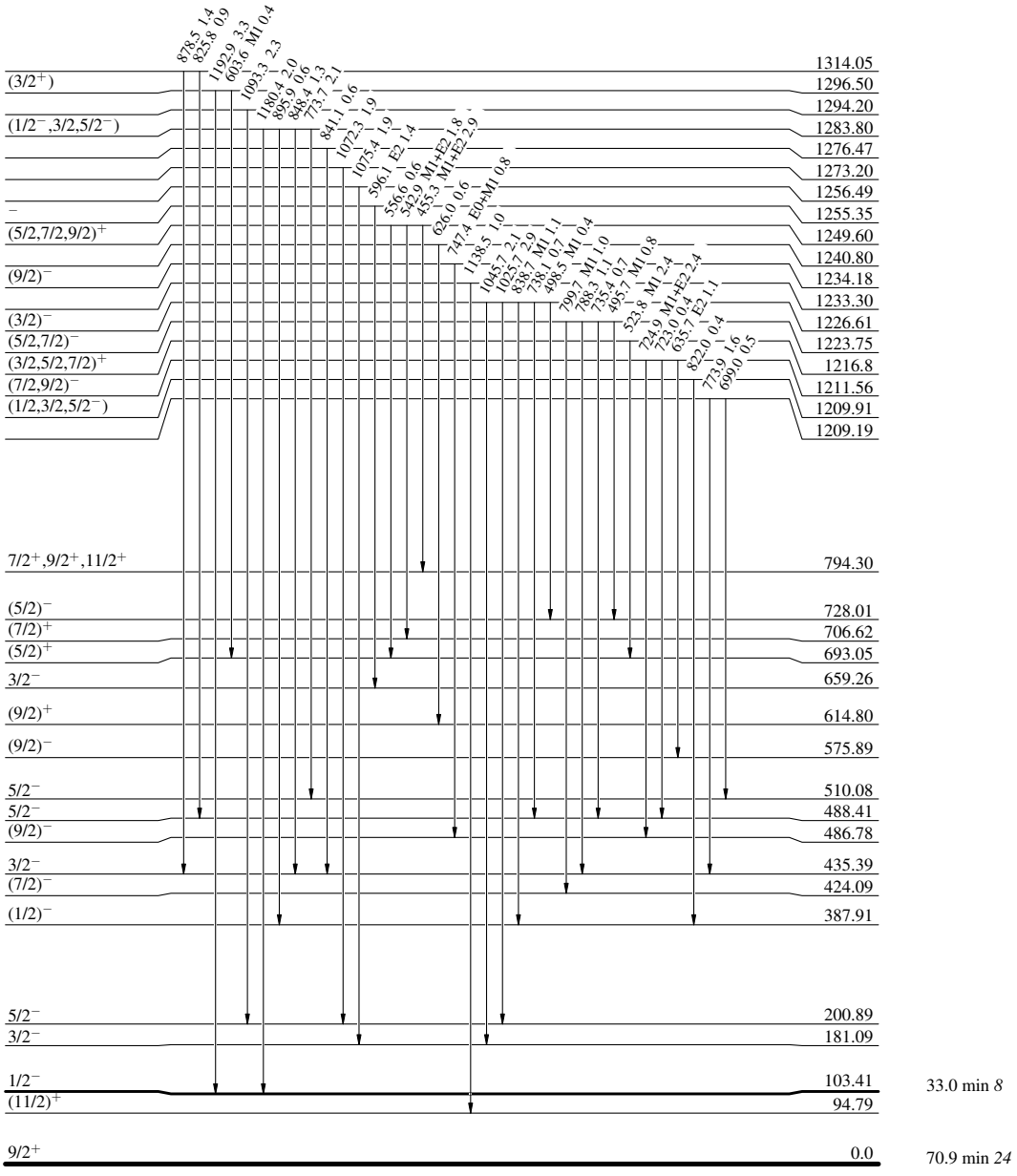
Decay Scheme (continued)

Intensities: Relative I_γ

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



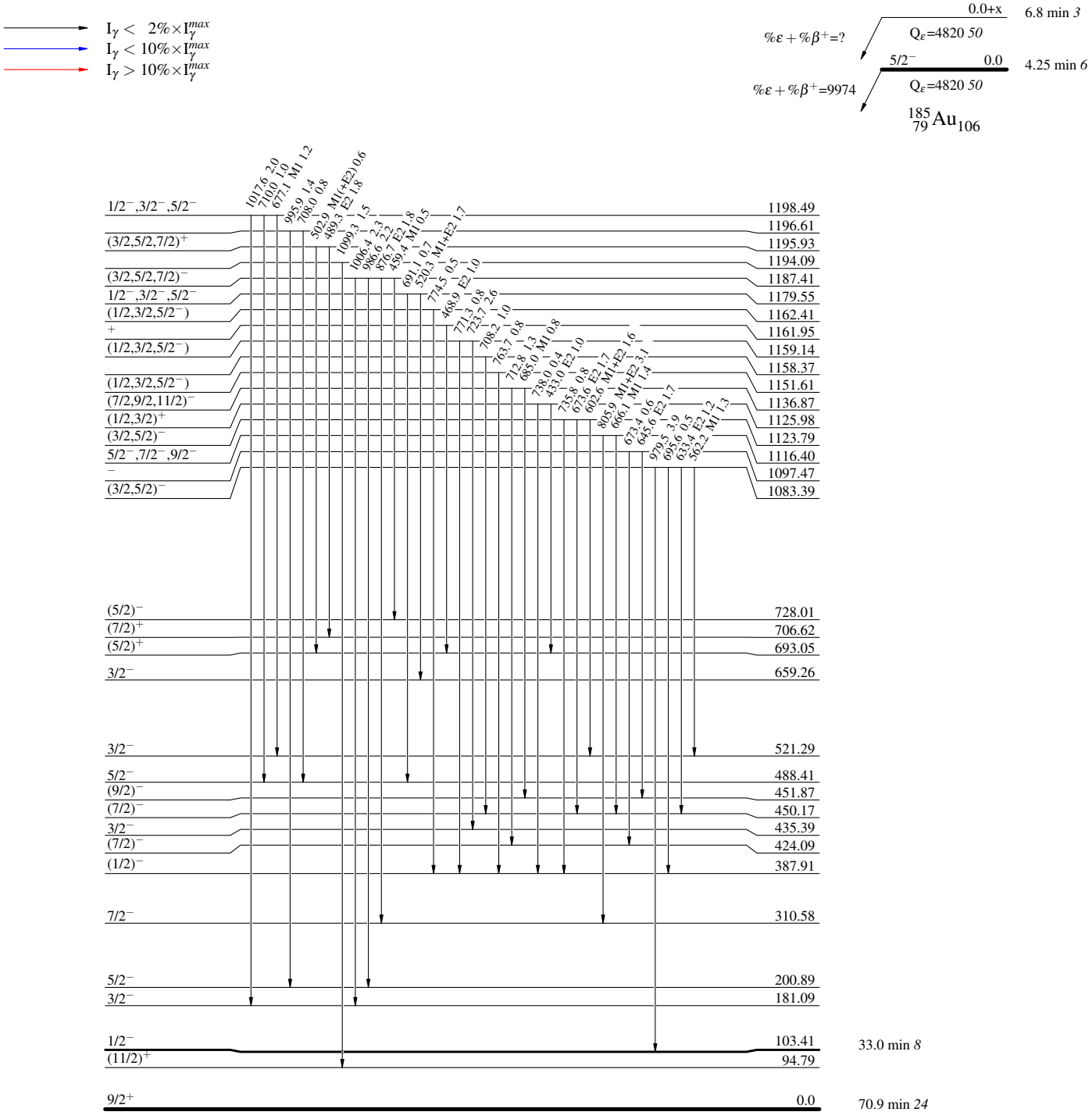


$^{185}_{78}Pt_{107}$

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

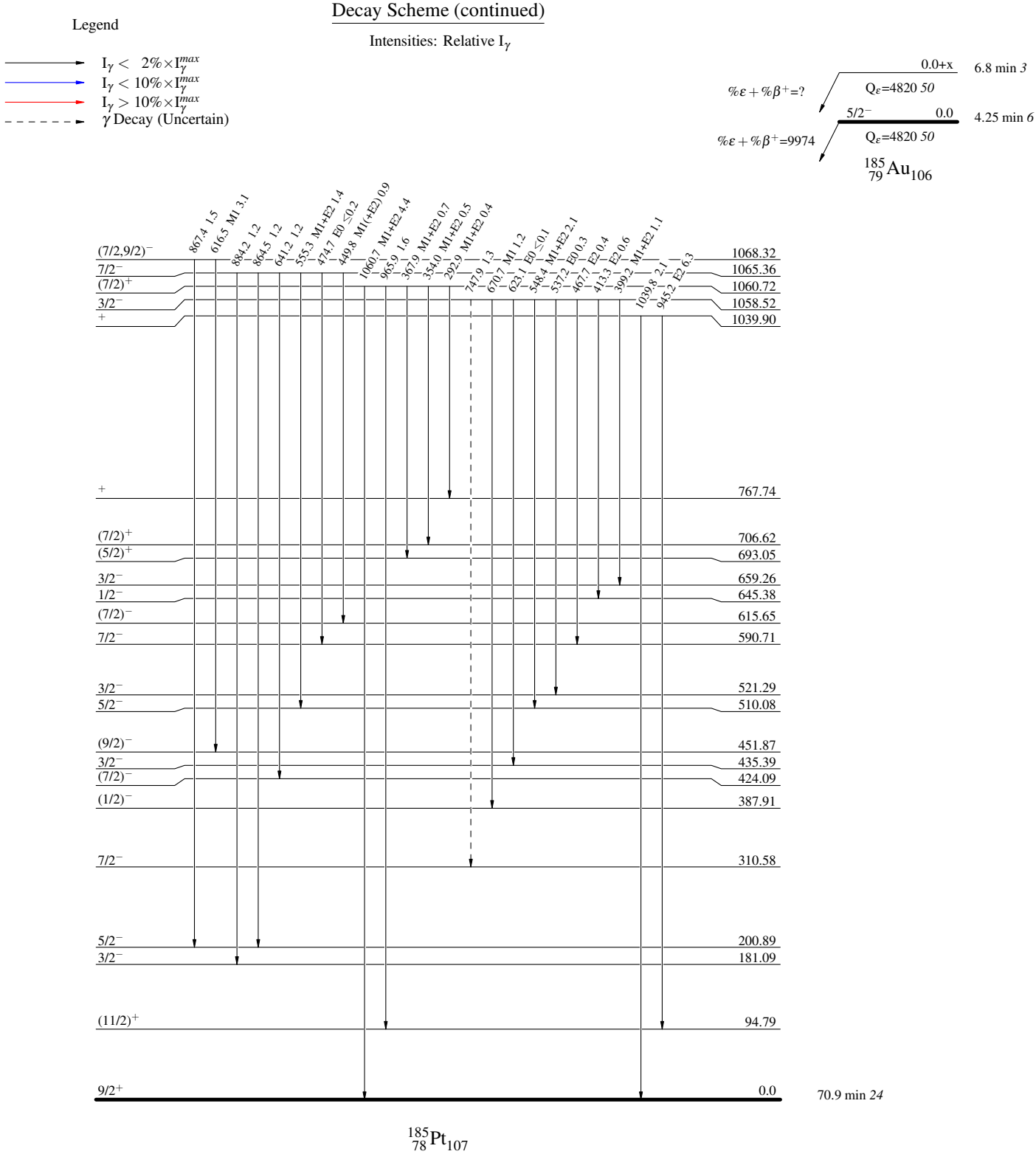
Intensities: Relative I_γ



^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

Intensities: Relative I_γ

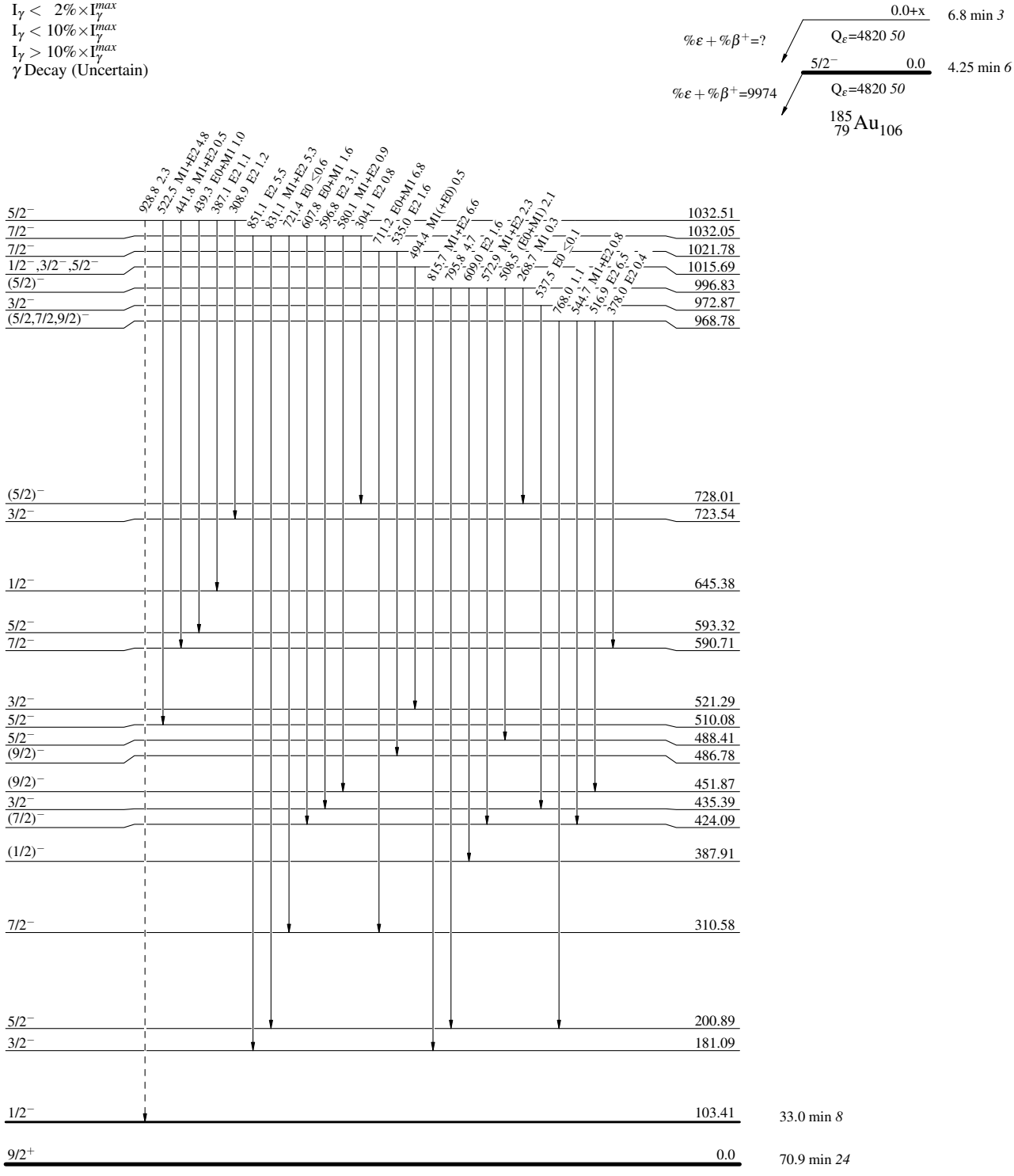


^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

Intensities: Relative I_γ

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)

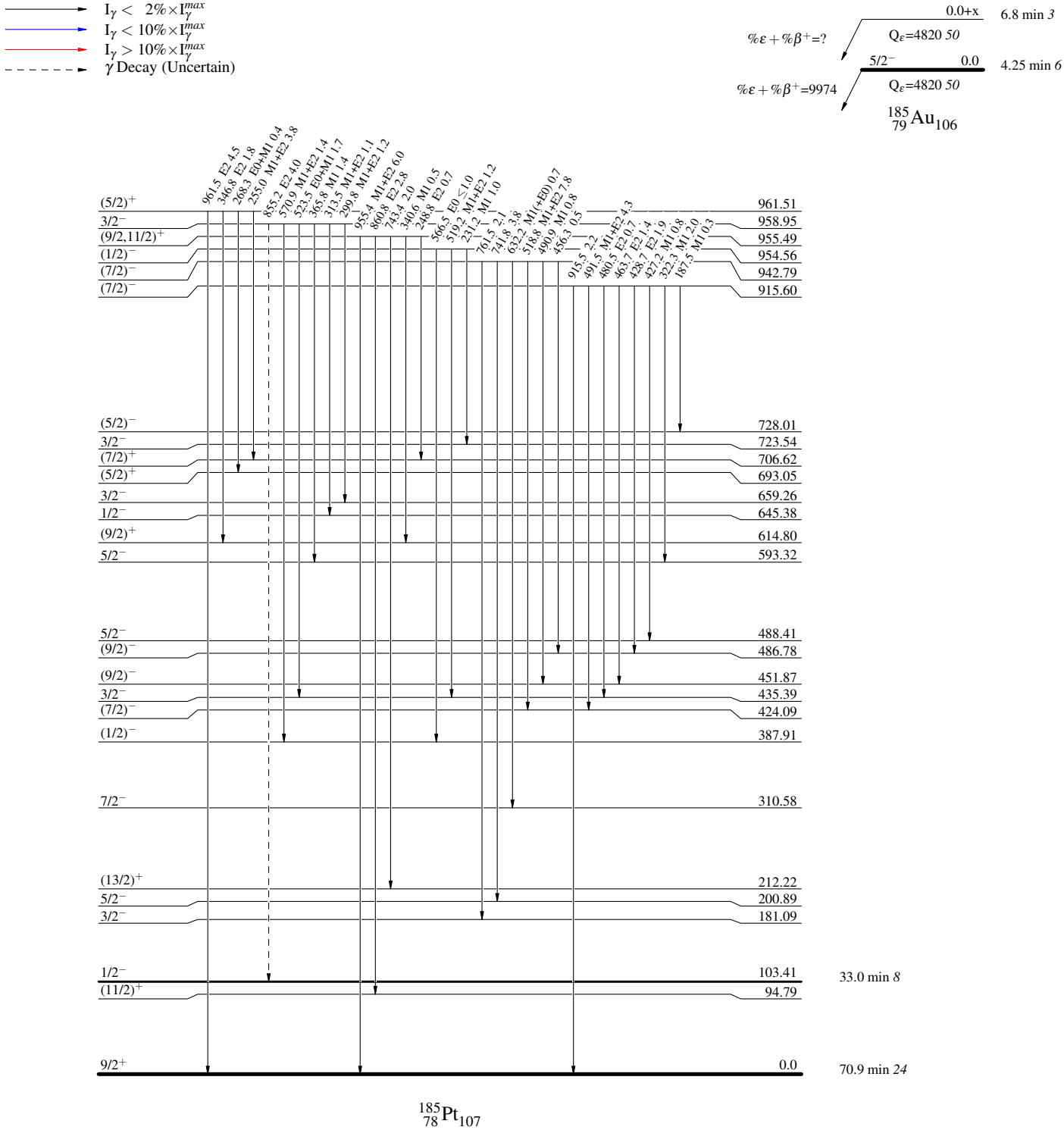


$^{185}_{78}Pt_{107}$

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

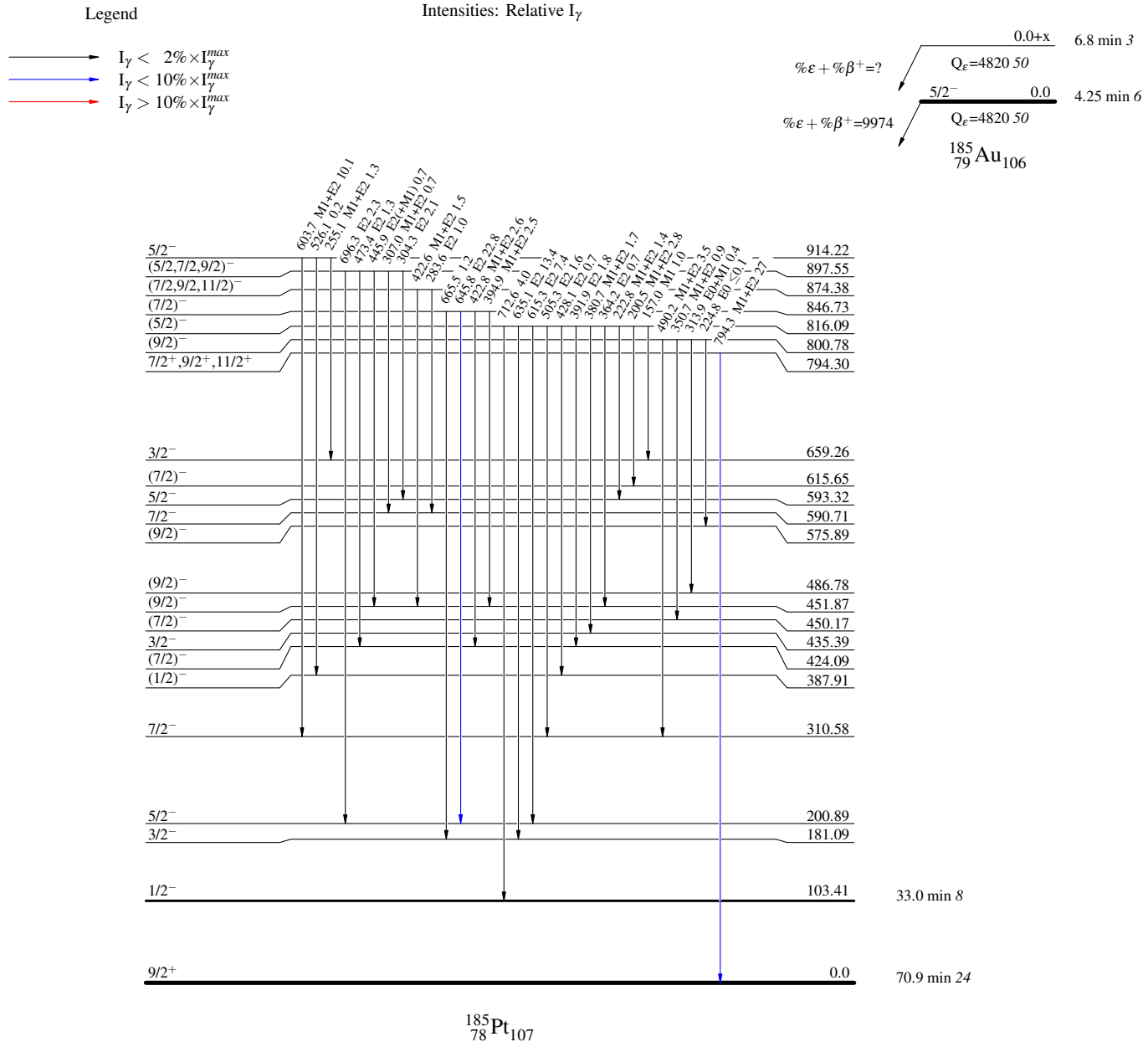
Intensities: Relative I_γ



^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

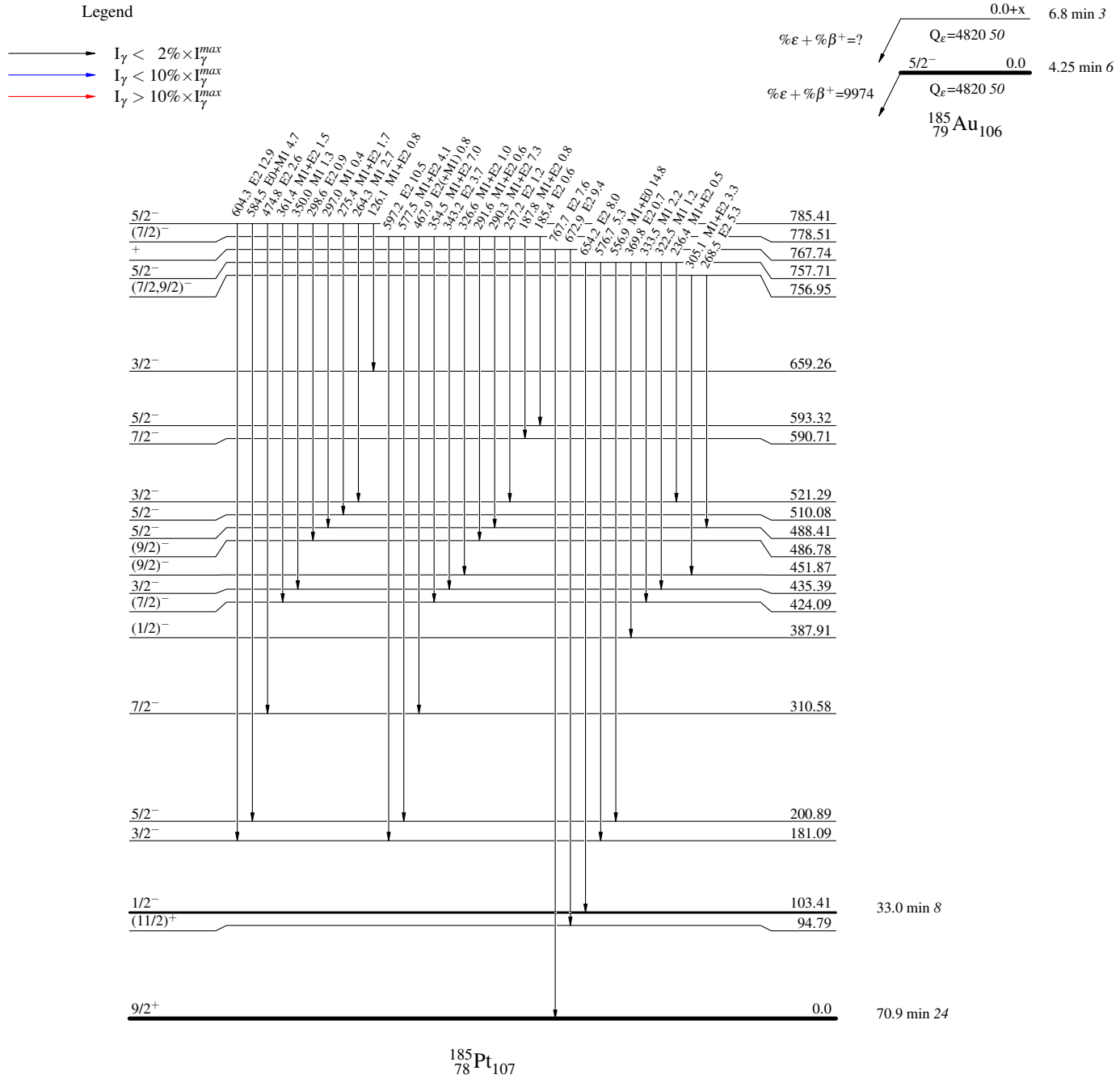
Intensities: Relative I_γ



^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

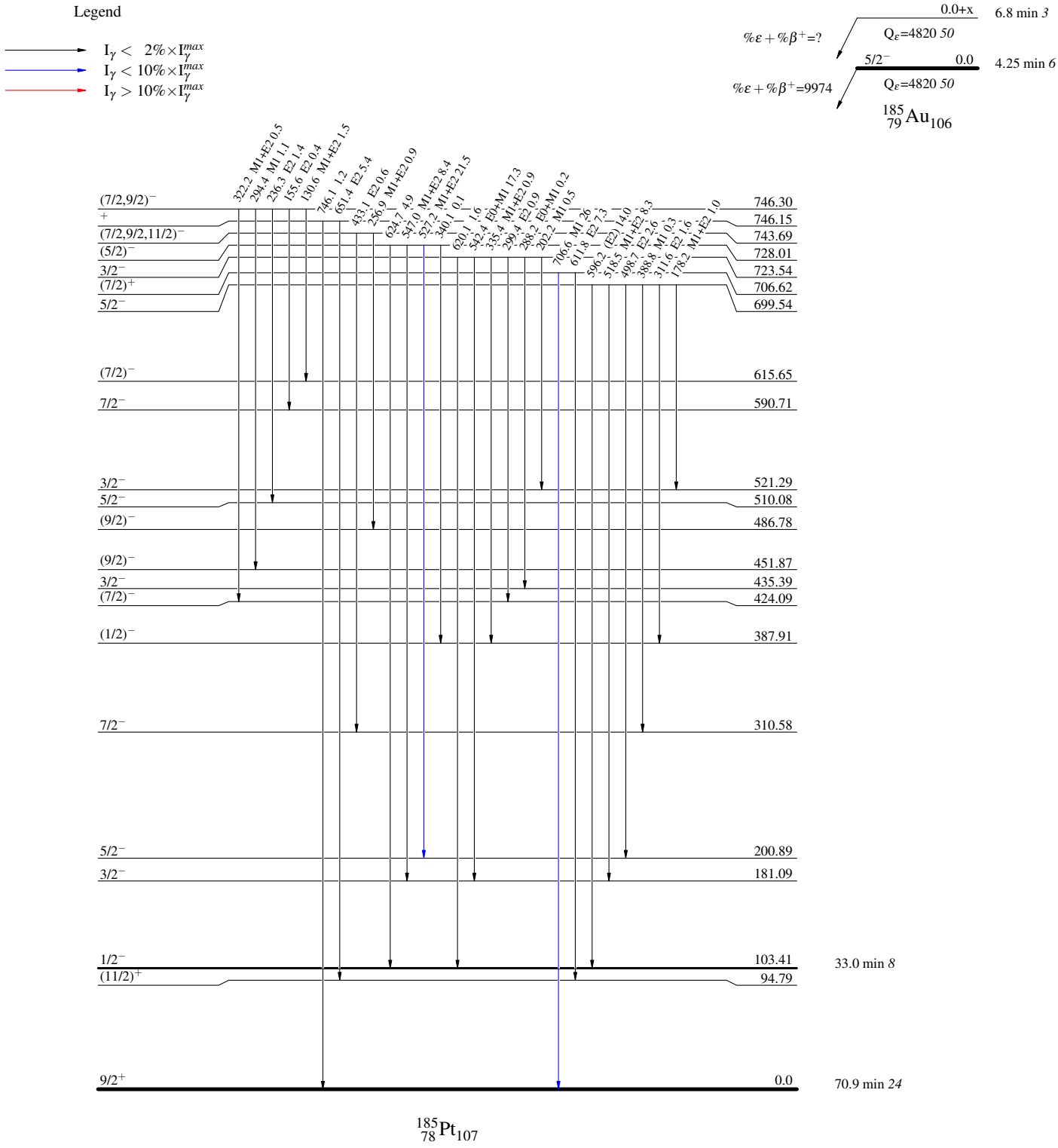
Intensities: Relative I_γ



^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

Intensities: Relative I_γ

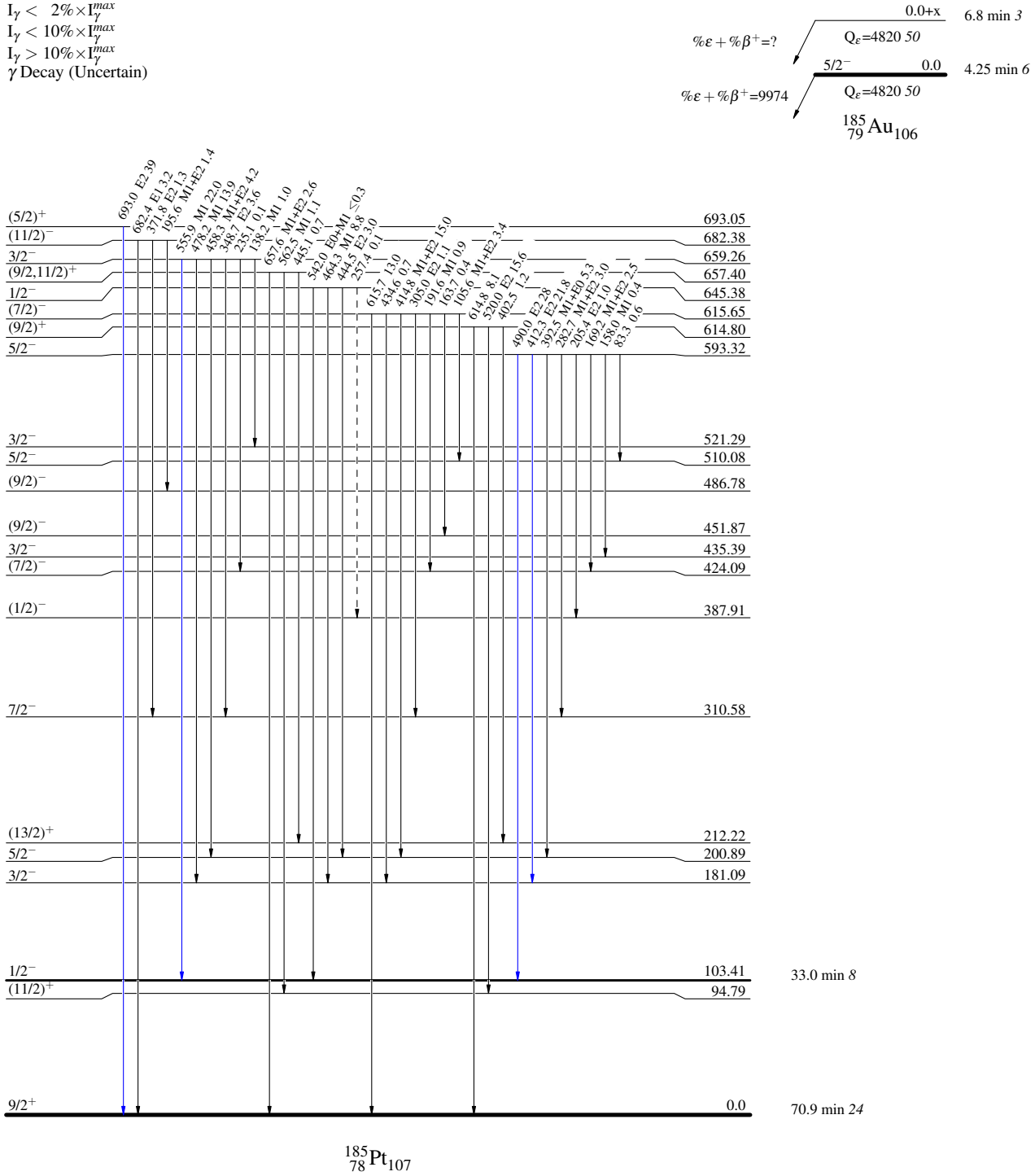


^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

Intensities: Relative I_γ

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)

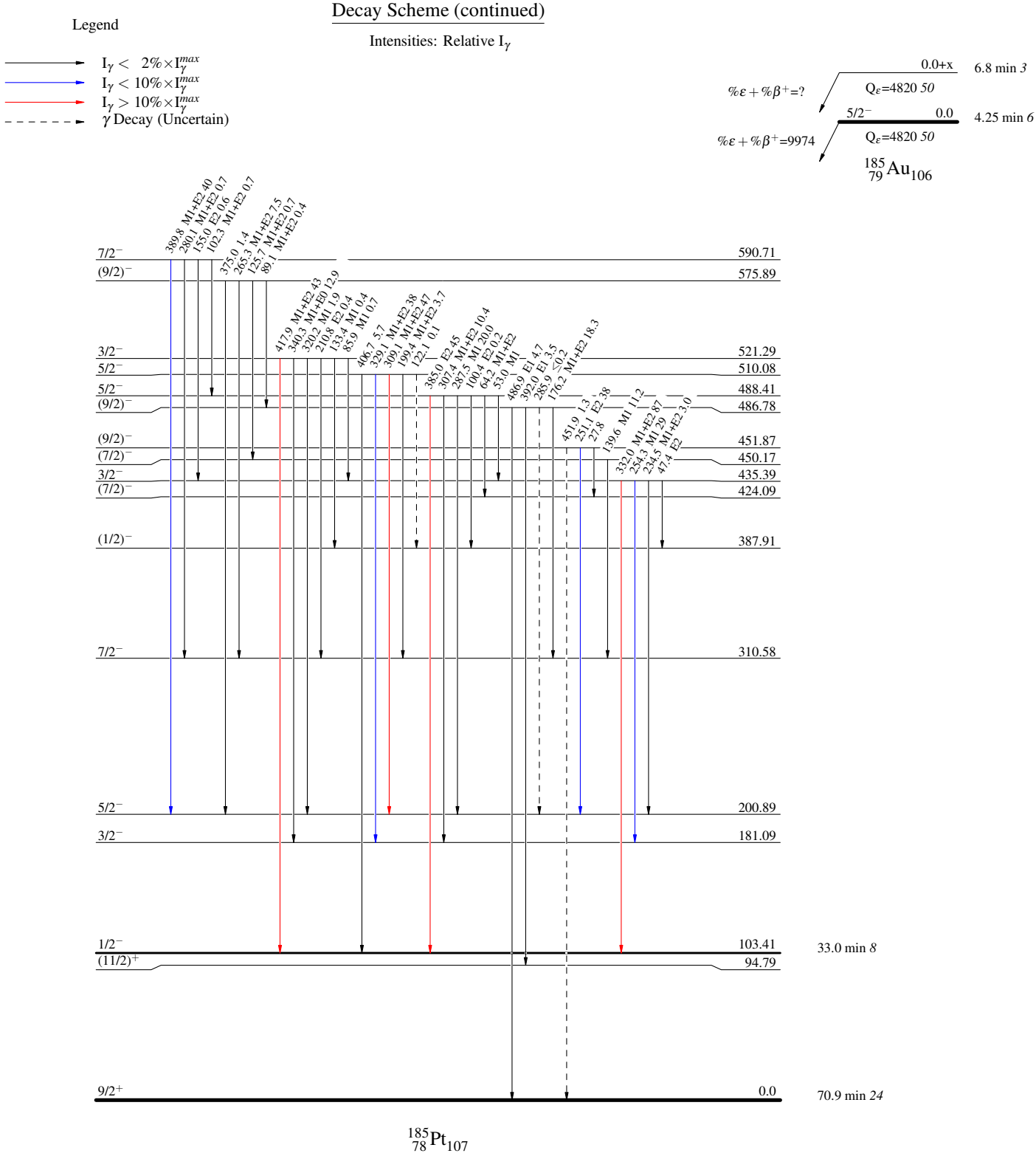


$^{185}_{78}Pt_{107}$

^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

Intensities: Relative I_γ



^{185}Au ε decay 2003ScZW,1985Ro06,1992Sc01

Decay Scheme (continued)

Intensities: Relative I_γ