Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 111,275 (2010)	1-Oct-2009

Q(β^-)=−7.02×10^3 *3*; S(n)=9638 *22*; S(p)=4.42×10^3 *3*; Q(α)=4598 *9* 2012Wa38
Note: Current evaluation has used the following Q record −7014 29 *9631* 24 *4420* 30 *4598* 8 2003Au03,2009AuZZ.
Q(β^-): From 2009AuZZ; Q(β^-)=7013 *29* in 2003Au03.
Q(α): From 2009AuZZ; Q(α)=4602 *9* in 2003Au03.
Other Reactions:

^{197}Au(^{12}C,p12nγ) (2002LaZY): observed 273γ, 362γ, 432γ, 476γ in g.s. band.
Isotope shift and/or hfs data: see, for example, 1992Hi07, 1999Le52.

^{184}Pt Levels

Cross Reference (XREF) Flags

A ^{184}Au ε decay
B ^{184}Pt IT decay (1.01 ms)
C ^{177}Hf(^{12}C,5nγ),^{175}Lu(^{14}N,5nγ)
D ^{154}Sm(^{34}S,4nγ),^{172}Yb(^{16}O,4nγ)
E ^{188}Hg α decay

E(level)#	J$^\pi$‡	T$_{1/2}$†	XREF	Comments
0.0&	0$^+$a	17.3 min *2*	ABCDE	%ε+%β^+=100; %α≈0.001 Δ<r^2>(^{194}Pt,^{184}Pt)=−0.221 *7* (1999Le52,2000Le40), −0.232 *26* (1992Hi07). <r^2>$^{1/2}$(charge)=5.403 *4* (2004An14). T$_{1/2}$: from 1972Fi12. Others: 1963Gr08 (20 min *2*), 1966Si08 (16.5 min *20*), and 1969Ha03 (18 min *2*).
162.98& *6*	2$^+$a	360 ps *12*	ABCD	μ=+0.56 *6* (1996St12) μ: From g=0.28 *3* (1996St12; IPAC). T$_{1/2}$: from $\gamma\gamma$(t) in ε decay (1972Fi12). Other T$_{1/2}$: 403 ps *15* from RDM in ^{154}Sm(^{34}S,4nγ),^{172}Yb(^{16}O,4nγ). J$^\pi$: E2 163γ to 0$^+$ g.s..
435.91& *7*	4$^+$a	25.3 ps *9*	ABCD	
491.78g *9*	0$^+$		A	J$^\pi$: E0 492γ to 0$^+$ g.s..
648.67h *7*	2$^+$		A	J$^\pi$: E2 649γ to 0$^+$ g.s..
798.25& *8*	6$^+$a	6.1 ps *3*	ABCD	
843.91g *7*	2$^+$	<1.5 ns	AB D	J$^\pi$: E2 844γ to 0$^+$ g.s.. T$_{1/2}$: from prompt 118γ-273γ coin in IT decay.
939.79h *8*	(3)$^+$		A	J$^\pi$: E2(+M1) 777γ to 2$^+$ 163; 504γ to 4$^+$ 436; band assignment.
1027.81h *8*	(4)$^+$		A	J$^\pi$: intraband E2 379γ to 2$^+$ 649; E2+M1(+E0) 592γ to 4$^+$ 436; band assignment.
1172.60i *9*	2$^+$		A	J$^\pi$: E0+M1+E2 524γ to 2$^+$ 649.
1230.52& *10*	8$^+$a	2.15 ps *14*	ABCD	
1234.33g *8*	4$^+$	<1.5 ns	AB D	J$^\pi$: M1+E2+E0 798γ to 4$^+$ 436. T$_{1/2}$: from prompt 118γ-273γ coin in IT decay.
1306.92h *9*	(5)$^+$		A D	J$^\pi$: E2+M1 871γ to 4$^+$ 436; 509γ to 6$^+$ 798; intraband (E2) 367γ to (3)$^+$ 940; band assignment.
1431.78 *10*	(4,5)$^+$		A	J$^\pi$: M1+E2 996γ to 4$^+$ 436; 784γ to 6$^+$ 938.
1453.45 *15*	(≤4)		A	J$^\pi$: 1291γ to 2$^+$ 163.
1462.57h *8*	(6)$^+$		A	J$^\pi$: M1+E2 664γ to 6$^+$ 798; 1027 γ to 4$^+$ 436; band assignment.
1469.91i *9*	(3)$^+$		A	J$^\pi$: E0+M1+E2 530γ to (3)$^+$ 940.
1597.55i *10*	(4)$^+$		A	J$^\pi$: E0+M1+E2 570γ to (4)$^+$ 1028.
1611.23 *16*	(2$^+$,3,4$^+$)		A	J$^\pi$: 1448γ to 2$^+$ 163; 1175γ to 4$^+$ 436.
1629.31 *12*	5$^+$,6$^+$,7$^+$		A	J$^\pi$: M1 831γ to 6$^+$ 798. 691γ to (3)$^+$ 940 (if correctly placed) makes

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Adopted Levels, Gammas (continued)

^{184}Pt Levels (continued)

E(level)[#]	Jπ[‡]	$T_{1/2}$[†]	XREF	Comments
				J=6,7 unlikely.
1675.62[e] *10*	(5)$^-$	<1.5 ns	AB D	Jπ: E1 1240γ to 4$^+$ 436; band assignment. $T_{1/2}$: from prompt 118γ-273γ coin in IT decay.
1682.10 *11*	(≤4)		A	Jπ: 1519γ to 2$^+$ 163; 1246γ to 4$^+$ 436.
1692.8 *6*			A	Jπ: 753γ to (3)$^+$ 940; 665γ to (4)$^+$ 1028, so J^π=(2$^+$,3,4,5$^+$).
1706.77[&] *22*	10$^+$[a]	1.18 ps *14*	CD	
1713.78 *11*	(1,2$^+$)		A	Jπ: 1222γ to 0$^+$ 492; 1551γ to 2$^+$ 163.
1725.53? *22*			A	Jπ: 495γ to 8$^+$ 1231, so J=(6 to 10).
1730.58[h] *11*	(7)$^+$		AB D	Jπ: E1 112γ from 8$^-$ 1840; 424γ to (5)$^+$ 1306; E2 932γ to 6$^+$ 798.
1738.38? *21*	(≤4)		A	Jπ: 1575γ to 2$^+$ 163.
1745.11 *12*			A	Jπ: 1309γ to 4$^+$ 436, so J=(2 to 6).
1784.99 *22*	(1,2$^+$)		A	Jπ: 1293γ to 0$^+$ 492; 941γ to 2$^+$ 844.
1794.0[f] *6*	(6$^-$)		AB D	Jπ: D+Q intraband 119γ to (5)$^-$ 1676; 488γ to (5)$^+$ 1307; band assignment.
1799.76[g] *9*	6$^+$		A	Jπ: M1+E2(+E0) 1002γ to 6$^+$ 798; 1364γ to 4$^+$ 436; 569γ to 8$^+$ 1231; J=6 member of established band built on 0$^+$ 492 level.
1806.98? *21*	(≤4)		A	Jπ: 1644γ to 2$^+$ 163.
1826.33 *9*	(2$^+$,3,4$^+$)		A	Jπ: 1663γ to 2$^+$ 163; 1391γ to 4$^+$ 436.
1840.3[c] *8*	8$^-$	1.01 ms *5*	B D	%IT=100 Jπ: E1 610γ to 8$^+$ 1231; γγ(θ) in IT decay rules out J=7 and 9. $T_{1/2}$: from γγ(t) in IT decay.
1852.11 *10*	(2$^+$,3,4$^+$)		A	Jπ: 1689γ to 2$^+$ 163; 1416γ to 4$^+$ 436.
1882.95 *14*	(4$^+$,5,6$^+$)		A	Jπ: 1085γ to 6$^+$ 798; 855γ to (4)$^+$ 1028.
1885.01? *21*	(≤4)		A	Jπ: 1894γ to 2$^+$ 844.
1894.25? *22*			A	Jπ: 1096γ to 6$^+$ 798, so J=(4 to 8).
1904.08? *21*	(≤4)		A	Jπ: 1741γ to 2$^+$ 163.
1915.5[e] *7*	(7$^-$)		D	Jπ: D+Q intraband 121γ to (6$^-$) 1794; intraband 240γ to (5)$^-$ 1676.
1921.28? *21*	(≤4)		A	Jπ: 1758γ to 2$^+$ 163.
1924.9 *10*			A	Jπ: 1489γ to 4$^+$ 436, so J=(2 to 6).
1940.69 *16*	(4$^+$,5,6$^+$)		A	Jπ: 1505γ to 4$^+$ 436; 1143γ to 6$^+$ 798.
1953.95 *12*			A	Jπ: 1156γ to 6$^+$ 798, so J=(4 to 8).
1967.60 *20*	(4$^+$)		A	Jπ: 1805γ to 2$^+$ 163; 1169γ to 6$^+$ 798.
1981.54 *21*			A	Jπ: 1546γ to 4$^+$ 436, so J=(2 to 6).
2011.19 *12*	(≤4)		A	Jπ: 1848γ to 2$^+$ 163.
2018.0[d] *11*	(9$^-$)		D	Jπ: D+Q intraband 178γ to 8$^-$ 1840; band assignment.
2061.75 *22*			A	Jπ: 1264γ to 6$^+$ 798, so J=(4 to 8).
2072.55 *22*			A	Jπ: 1274γ to 6$^+$ 798 so J=(4 to 8).
2075.7[f] *7*	(8$^-$)		D	
2125.59? *21*	(≤4)		A	Jπ: 1962γ to 2$^+$ 163.
2152.42? *21*			A	Jπ: 1717γ to 4$^+$ 436.
2158.20 *16*	(4$^+$,5,6$^+$)		A	Jπ: 1722γ to 4$^+$ 436; 1359γ to 6$^+$ 798.
2169.75 *21*	(6$^+$,7,8$^+$)		A	Jπ: 1372γ to 6$^+$ 798; 939γ to 8$^+$ 1231.
2201.55 *21*	(1,2$^+$)		A	Jπ: 2038γ to 2$^+$ 163; 1709γ to 0$^+$ 492.
2204.3[&] *3*	12$^+$[a]	1.59 ps *14*	CD	
2216.7[c] *11*	(10$^-$)		D	
2230.7[e] *8*	(9$^-$)		D	
2253.76 *21*			A	Jπ: 1456γ to 6$^+$ 798 so J=(4 to 8).
2283.49? *21*	(≤4)		A	Jπ: 2121γ to 2$^+$ 163.
2330.92 *8*	(6$^+$)		A	Jπ: strong 222γ from (6$^+$) 2553; 1100γ to 8$^+$ 1231; 1895γ to 4$^+$ 436.
2434.6? *10*			A	Jπ: 759γ to (5)$^-$ 1676.
2435.6[d] *12*	(11$^-$)		D	
2452.1[f] *8*	(10$^-$)		D	
2452.54 *16*	(6$^+$,7,8$^+$)		A	Jπ: 1654γ to 6$^+$ 798; 1222γ to 8$^+$ 1231.
2454.82? *21*	(≤4)		A	Jπ: 1611γ to 2$^+$ 844.

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Adopted Levels, Gammas (continued)

^{184}Pt Levels (continued)

E(level)[#]	Jπ[‡]	$T_{1/2}$[†]	XREF	Comments
2460.63 *21*	$(6^+,7,8^+)$		A	Jπ: 1662γ to 6^+ 798; 1230γ to 8^+ 1231.
2531.8? *10*	$(1,2^+)$		A	Jπ: 2040γ to 0^+ 492.
2536.33 *10*	$(4^+,5,6^+)$		A	Jπ: 1738γ to 6^+ 798; 1510γ to $(4)^+$ 1028.
2552.81 *8*	(6^+)		A	Jπ: 1322γ to 8^+ 1231; 2117γ to 4^+ 436. Strongly fed in ε decay, presumably from the 5^+ isomer.
2585.19? *21*	(≤4)		A	Jπ: 2422γ to 2^+ 163.
2592.8[b] *8*	(11^-)		D	Jπ: 388γ to 12^+ 2205; band assignment.
2611.56 *11*	$(4^+,5,6^+)$		A	Jπ: 1813γ to 6^+ 798; 1014γ to $(4)^+$ 1598.
2624.8[e] *7*	(11^-)		D	
2631.89 *8*	$(2^+,3,4^+)$		A	Jπ: 2469γ to 2^+ 163; 2196γ to 4^+ 436.
2637.70 *8*	$(2^+,3,4^+)$		A	Jπ: 2475γ to 2^+ 163; 1418γ to 4^+ 1234.
2652.88 *9*	$(2^+,3,4^+)$		A	Jπ: 2490γ to 2^+ 163; 1418γ to 4^+ 1234.
2673.6[c] *13*	(12^-)		D	
2692.3 *10*			A	Jπ: 1894γ to 6^+ 798.
2726.7[&] *4*	14^+[a]	1.39 ps *14*	CD	
2822.36? *22*			A	
2912.9[f] *8*	(12^-)		D	
2928.1[d] *14*	(13^-)		D	
3081.8[b] *6*	(13^-)		D	
3094.9[e] *7*	(13^-)		D	
3197.4[c] *14*	(14^-)		D	
3281.9[&] *5*	16^+[a]	1.18 ps *14*	CD	
3435.9?[f] *13*	(14^-)		D	
3440.2[b] *7*	(15^-)		D	
3476.1[d] *15*	(15^-)		D	
3596.3[@] *10*	(16^+)		D	Jπ: 314γ to 16^+ 3282; band assignment.
3611.2[e] *9*	(15^-)		D	
3763.5[c] *16*	(16^-)		D	
3868.6[&] *7*	18^+[a]	1.7 ps *10*	CD	$T_{1/2}$: includes contribution from side feeding.
3902.0[b] *8*	(17^-)		D	
3989.9?[f] *16*	(16^-)		D	
4053.7[d] *16*	(17^-)		D	
4172.0[@] *9*	(18^+)		D	
4175.4[e] *14*	(17^-)		D	
4352.5[c] *17*	(18^-)		D	
4438.5[b] *10*	(19^-)		D	
4493.0[&] *8*	20^+[a]		CD	
4564.9?[f] *19*	(18^-)		D	
4657.1[d] *18*	(19^-)		D	
4789.0[e] *17*	(19^-)		D	
4815.7[@] *10*	(20^+)		D	
4977.6[c] *18*	(20^-)		D	
5013.5[b] *14*	(21^-)		D	
5166.6[&] *11*	22^+[a]		D	
5310.9[d] *20*	(21^-)		D	
5471.8[e] *20*	(21^-)		D	
5510.9[@] *12*	(22^+)		D	
5614.8[b] *17*	(23^-)		D	

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Adopted Levels, Gammas (continued)

^{184}Pt Levels (continued)

E(level)[#]	Jπ[‡]	XREF	E(level)[#]	Jπ[‡]	XREF	E(level)[#]	Jπ[‡]	XREF
5664.3[c] *21*	(22$^-$)	D	6259.2[b] *20*	(25$^-$)	D	7534.9[&] *21*	(28$^+$)[a]	D
5896.6[&] *15*	24$^+$[a]	D	6685.5[&] *18*	(26$^+$)[a]	D	7733.2[b] *25*	(29$^-$)	D
6031.5[d] *23*	(23$^-$)	D	6962.7[b] *22*	(27$^-$)	D			

† From (^{34}S,4nγ) (1986Ga21), recoil distance measurement, except as noted.

‡ J^π assignments given without comment are based on deduced band structure.

From least-squares fit to adopted Eγ, assigning 1 keV uncertainty to data for which the authors did not state an uncertainty, and omitting the 691γ and 1614γ, each of which fits its placement poorly.

@ Band(A): π=(+) band. 8−9 ħ alignment. π=(+) assigned by 1990Ca22 by analogy with bands in neighboring even−even nuclei which also exhibit strong ΔJ=0 transitions to the yrast band.

& Band(B): K$^\pi$=0$^+$ ground state band. Average g−factor=+0.37 *5* for the J=6 to 14 members of this band (2002Ro36, 2002Ro12; transient field). Prolate g.s. expected (2008Mo14).

[a] Definite J^π has been assigned to J≤24 g.s. band members based on the regular progression of Eγ for the γ cascade forming this band and independently-established J^π=0$^+$ and 2$^+$ for the the g.s. and 163 level in addition to mult=E2 for the intraband 362γ.

[b] Band(C): K$^\pi$=0$^-$ band. Probable configuration=(π 1/2[660])-(π 1/2[541]), the only π=− two-particle configuration which could account for the initial alignment of 10 ħ (1990Ca22). No signature partner band observed.

[c] Band(D): K$^\pi$=8$^-$, α=0 band. Probable configuration=(ν 9/2[624])+(ν 7/2[514]). Alignment 4-5 ħ; no signature splitting observed.

[d] Band(d): K$^\pi$=8$^-$, α=1 band. Probable configuration=(ν 9/2[624])+(ν 7/2[514]). See comment on signature partner band.

[e] Band(e): K$^\pi$=5$^-$, α=1 band. Probable configuration=(ν 9/2[624])+(ν 1/2[521]). Alignment 4-5 ħ; signature splitting observed, suggesting contribution from a low-K orbital such as (ν 3p$_{3/2}$) (1990Ca22).

[f] Band(E): K$^\pi$=5$^-$, α=0 band. Probable configuration=(ν 9/2[624])+(ν 1/2[521]). See comment on signature partner band.

[g] Band(F): K$^\pi$=0$^+$ band.

[h] Band(G): K$^\pi$=2$^+$ γ-vibrational band. The energies of these states differ by less than 25 keV from those of their counterparts in the ^{182}Pt γ band.

[i] Band(H): K$^\pi$=2$^+$ band.

Adopted Levels, Gammas (continued)

$\gamma(^{184}Pt)$

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ	α[b]	$I_{(\gamma+ce)}$[#]	Comments
162.98	2^+	163.0[@] *1*	100[@]	0.0	0^+	E2		0.737		B(E2)(W.u.)=127 *5*
435.91	4^+	273.0[@] *1*	100[@]	162.98	2^+	E2		0.1310		B(E2)(W.u.)=210 *8*
491.78	0^+	328.8[@] *1*	100[@] *16*	162.98	2^+	E2		0.0753		Mult.: from ε decay.
		491.7[@] *2*	[@]	0.0	0^+	E0			120 *16*	Mult.: from ε decay.
648.67	2^+	157[@] *1*	0.42[@] *13*	491.78	0^+					
		485.7[@] *1*	100[@] *10*	162.98	2^+	E2+M1	+0.49 *7*	0.073 *3*		Mult.,δ: %E0=0 *1*, %M1=82 *5*, %E2=18 *4* (1992Xu02) from ε decay. δ(M1,E2) from 1992Xu06; possible small E0 component. Other δ=+18 +∞−13 from $\gamma\gamma(\theta)$ (1974Ca13) in ε decay. α: based on α(K)exp in ε decay.
		648.7[@] *1*	50[@] *8*	0.0	0^+	E2		0.01350		Mult.: from ε decay.
798.25	6^+	362.3[@] *1*	100[@]	435.91	4^+	E2		0.0573		B(E2)(W.u.)=226 *12* Mult.: from ε decay.
843.91	2^+	195[@] *1*	2.6[@] *8*	648.67	2^+	M1+E2(+E0)		1.2	4	Mult.,δ: %E0<15 (1992Xu02) from ε decay. α: estimated from α(K)exp=0.9 *3* in ε decay.
		352.1[@] *1*	12.0[@] *18*	491.78	0^+	[E2]		0.0620		B(E2)(W.u.)>0.095
		408.1[@] *1*	12.7[@] *19*	435.91	4^+					
		681[c@] *1*	13.1[c@] *20*	162.98	2^+	E2+E0+M1				Mult.,δ: %E0=22 *2*, %M1=32 *+21−29*, %E2=46 *+29−21* (1992Xu02) from ε decay; δ(M1,E2)−1.2 *+5−35* (1992Xu06).
		843.9[@] *1*	100[@] *15*	0.0	0^+	E2		0.00770 *11*		B(E2)(W.u.)>0.0100 Eγ=839 *5* in IT decay.
939.79	$(3)^+$	291.0[@] *2*	3.6[@] *11*	648.67	2^+					
		503.9[@] *1*	15.7[@] *25*	435.91	4^+					
		776.8[@] *1*	100[@] *10*	162.98	2^+	E2(+M1)	>+4	0.0096 *5*		Mult.,δ: from ε decay.
1027.81	$(4)^+$	379.1[@] *1*	39[@] *6*	648.67	2^+	E2		0.0506		Mult.: from ε decay.
		591.9[@] *2*	100[@] *14*	435.91	4^+	E2+M1	≤−1.2	0.023 *7*		Mult.,δ: possible E0 component; %E0=0.3 *3* from ε decay (1992Xu02). δ from δ=−2.3 *+11−∞* (1992Xu06).
		864.9[@] *1*	48[@] *7*	162.98	2^+	(E2)		0.0073		Mult.: from ε decay.
1172.60	2^+	329[@] *1*	14[@] *4*	843.91	2^+	M1		0.238		Mult.: %E0<12 (1992Xu02) from ε decay.
		524[@] *1*	8.5[@] *26*	648.67	2^+	E0+E2+M1		0.47 *5*		Mult.: %E0=22 *2* (1992Xu02) from ε decay. α: estimated from α(K)exp.
		681[c@] *1*	12[c@] *3*	491.78	0^+					
		1009.6[@] *1*	100[@] *11*	162.98	2^+	M1		0.01278		Mult.: %E0<0.75 (1992Xu02) from ε decay.

$^{184}_{78}Pt_{106}$-5

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult.‡	δ	α[b]	Comments
1172.60	2+	1172.5@ *2*	22@ *7*	0.0	0+				
1230.52	8+	432.2@ *1*	100@	798.25	6+	E2		0.0357	B(E2)(W.u.)=271 *18* Mult.: from IT decay. Other Eγ: 432.5 *1* in (^{12}C,5nγ).
1234.33	4+	294.4@ *2*	7.7@ *23*	939.79	(3)+				
		390.3@ *1*	51@ *7*	843.91	2+	E2		0.0467	B(E2)(W.u.)>0.13 Mult.: from ε and IT decay.
		586@ *1*	18@ *6*	648.67	2+	[E2]		0.01699	B(E2)(W.u.)>0.0062
		798.4@ *1*	74@ *12*	435.91	4+	E0+E2+M1		0.059 *8*	Mult.,δ: α(K)exp=0.051 *10* (1974Ca13), 0.045 *6* (1992Xu02); other: 1972Fi12. %E0=3.1 *5*, %M1=44 *+15−11*, %E2=53 *+11−15* (1992Xu02) in ε decay. δ(M1,E2)=+1.1 *3* (1992Xu06) in ε decay. α: based on α(K)exp=0.045 *6* in ε decay.
		1071.3@ *1*	100@ *14*	162.98	2+	E2		0.00478 *7*	Other Eγ: 1065 *6* in IT decay. Mult.: from IT decay.
1306.92	(5)+	133.8@d *2*	10.4@ *15*	1172.60	2+	[M3]		115.1 *18*	
		279@ *1*	4.4@ *10*	1027.81	(4)+				
		367.2@ *1*	17.5@ *26*	939.79	(3)+	(E2)		0.0552	Mult.: from ε decay.
		508.7@ *1*	11.9@ *18*	798.25	6+				
		871@ *1*	100@ *15*	435.91	4+	E2+M1		0.013 *6*	Mult.: E2(+M1) from α(K)exp in ε decay, D+Q from DCO in (^{34}S,4nγ).
1431.78	(4,5)+	404.4@ *2*	31@ *9*	1027.81	(4)+				
		491.9@ *2*	44@ *13*	939.79	(3)+				
		587.7@ *2*	57@ *19*	843.91	2+				
		783.6@ *2*	100@ *15*	648.67	2+				
		995.8@ *2*	36@ *11*	435.91	4+	M1+E2		0.009 *4*	Mult.: from ε decay.
1453.45	(≤4)	281@ *1*	53@ *16*	1172.60	2+				
		609.4@ *2*	41@ *6*	843.91	2+				
		1290.6@ *2*	100@ *31*	162.98	2+				
1462.57	(6)+	434.8@ *1*	90@ *14*	1027.81	(4)+				
		664.2@ *1*	100@ *14*	798.25	6+	M1+E2	−1.01 *+14−18*	0.0249 *21*	Mult.: from α(K)exp=0.0126 *14* (1992Xu02); %E0=0.0 *2*, %M1=51 *8*, %E2=49 *8* (1992Xu02) in ε decay. δ: from ε decay (1992Xu06).
		1026.5@ *1*	69@ *10*	435.91	4+				

$^{184}_{78}Pt_{106}$-6

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ	α[b]	Comments
1469.91	(3)$^+$	297.3[@] 2	29[@] 8	1172.60	2$^+$				
		530.2[@] 2	<1.4[@]	939.79	(3)$^+$	E0+M1+E2		>0.5	α: based on α(K)exp>0.4 in ε decay. Mult.: from ε decay; %E0>24 (1992Xu02).
		626.2[@] 2	24[@] 7	843.91	2$^+$				
		821[@] 1	44[@] 13	648.67	2$^+$				
		1033.9[@] 2	60[@] 18	435.91	4$^+$				
		1306.8[@] 1	100[@] 15	162.98	2$^+$				
1597.55	(4)$^+$	425.3[@] 2	59[@] 18	1172.60	2$^+$				
		569.6[@] 2	51[@] 15	1027.81	(4)$^+$	E0+M1+E2		≈0.10	α: based on α(K)exp=0.078 16 in ε decay. Mult.: from ε decay; %E0=2.8 13 (1992Xu02).
		753[c@] 1	44[c@] 14	843.91	2$^+$				
		949[@] 1	44[@] 14	648.67	2$^+$				
		1161.6[@] 1	100[@] 15	435.91	4$^+$	D+Q	≤−0.8		δ: based on δ=−1.6 +8−∞ from ε decay.
1611.23	(2$^+$,3,4$^+$)	962.5[@] 2	98[@] 30	648.67	2$^+$				
		1175[@] 1	100[@] 30	435.91	4$^+$				
		1448.3[@] 2	100[@] 30	162.98	2$^+$				
1629.31	5$^+$,6$^+$,7$^+$	691.1[@] 1	25[@] 4	939.79	(3)$^+$				E_γ: >5σ from expected value; datum excluded from least-squares fit.
		831.1[@] 1	100[@] 14	798.25	6$^+$	M1		0.0209	
1675.62	(5)$^-$	441.3 1	98 4	1234.33	4$^+$	E1		0.01082	B(E1)(W.u.)>8.0×10^{-7} E_γ: from ε decay; Eγ=439 1 in IT decay. Other Iγ: 109 13 in ε decay, 120 25 in IT decay. Mult.: from IT decay.
		1239.7 1	100 13	435.91	4$^+$	E1		0.00148	B(E1)(W.u.)>3.7×10^{-8} E_γ: from ε decay; Eγ=1235 4 in IT decay. Mult.: from IT decay.
1682.10	(≤4)	838.3[@] 2	20[@] 6	843.91	2$^+$				
		1246[@] 1	32[@] 10	435.91	4$^+$				
		1519.1[@] 1	100[@] 10	162.98	2$^+$				
1692.8		665[@] 1	43[@] 13	1027.81	(4)$^+$				
		753[c@] 1	100[c@] 15	939.79	(3)$^+$				
1706.77	10$^+$	476.2 2	100	1230.52	8$^+$	E2		0.0279	B(E2)(W.u.)=3.1×10^2 4 E_γ: from ^{177}Hf(^{12}C,5nγ),^{175}Lu(^{14}N,5nγ).
1713.78	(1,2$^+$)	870[@] 1	52[@] 15	843.91	2$^+$				
		1065[@] 1	22[@] 7	648.67	2$^+$				

$^{184}_{78}Pt_{106}$-7

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ	α[b]	$I_{(\gamma+ce)}$[#]	Comments
1713.78	(1,2$^+$)	1222[@] *1*	10[@] *3*	491.78	0$^+$					
		1550.8[@] *1*	100[@] *15*	162.98	2$^+$					
1725.53?		494.9[@d] *2*	100[@]	1230.52	8$^+$					
1730.58	(7)$^+$	423.8[@] *2*	56[@] *17*	1306.92	(5)$^+$					
		932.3[@] *1*	100[@] *15*	798.25	6$^+$	E2		0.00629 *9*		Mult.: from IT decay.
1738.38?	(≤4)	1575.4[@d] *2*	100[@]	162.98	2$^+$					
1745.11		1309.2[@] *1*	100[@]	435.91	4$^+$					
1784.99	(1,2$^+$)	941[@] *1*	53[@] *17*	843.91	2$^+$					
		1293.2[@] *2*	100[@] *30*	491.78	0$^+$					
1794.0	(6$^-$)	119 *1*	100 *10*	1675.62	(5)$^-$	(M1+E2)		3.2 *9*		Eγ: from ε decay. Eγ=118 *1* in IT decay and 118.1 in (^{34}S,4nγ). Mult.: D+Q from γ(θ) in (^{34}S,4nγ); ce data in IT decay imply δ(E1,M2)≈0.44, α=6.3 *20* if Δπ=no but also allow M1 or E2, consistent with adopted band structure.
		488 *1*	60 *5*	1306.92	(5)$^+$					Eγ: from ε decay.
1799.76	6$^+$	565.4[@] *2*	29[@] *9*	1234.33	4$^+$					
		569[@] *1*	3.8[@] *11*	1230.52	8$^+$					
		771.9[@] *2*	19[@] *6*	1027.81	(4)$^+$					
		1001.5[@] *1*	100[@] *14*	798.25	6$^+$	M1+E2	+1.08 *+29−25*			Mult.,δ: %E0=0.3 *4*, %M1=51 *+12−10*, %E2=49 *+10−12* (1992Xu02) from ε decay; δ(M1,E2) from 1992Xu06 in ε decay; possible E0 component.
		1363.8[@] *1*	48[@] *7*	435.91	4$^+$					
1806.98?	(≤4)	1644.0[@d] *2*	100[@]	162.98	2$^+$					
1826.33	(2$^+$,3,4$^+$)	982.5[@] *2*	38[@] *12*	843.91	2$^+$					
		1178[@] *1*	53[@] *16*	648.67	2$^+$					
		1390.5[@] *2*	43[@] *13*	435.91	4$^+$					
		1663.2[@] *1*	100[@] *15*	162.98	2$^+$					
1840.3	8$^-$	49 *1*		1794.0	(6$^-$)	[E2]		128 *14*	82 *25*	B(E2)(W.u.)=0.00010 *4*
		112[&] *1*	12[&] *4*	1730.58	(7)$^+$	E1[&]		0.305 *9*		B(E1)(W.u.)=9.E−12 *4*
		610.1[&] *20*	100[&] *16*	1230.52	8$^+$	E1[&]		0.00547 *9*		B(E1)(W.u.)=4.6×10^{-13} *11* Other Eγ: 613.5 in (^{34}S,4nγ).
1852.11	(2$^+$,3,4$^+$)	1203[@] *1*	15[@] *4*	648.67	2$^+$					

$^{184}_{78}Pt_{106}$-8

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[b]
1852.11	(2$^+$,3,4$^+$)	1416.2[@] *1*	100[@] *15*	435.91	4$^+$		
		1689.1[@] *2*	30[@] *9*	162.98	2$^+$		
1882.95	(4$^+$,5,6$^+$)	576.0[@] *2*	71[@] *21*	1306.92	(5)$^+$		
		855[@] *1*	27[@] *8*	1027.81	(4)$^+$		
		1085[@] *1*	100[@] *15*	798.25	6$^+$		
1885.01?	(≤4)	1041.1[@d] *2*	100[@]	843.91	2$^+$		
1894.25?		1096.0[@] *2*	100[@]	798.25	6$^+$		
1904.08?	(≤4)	1741.1[@d] *2*	100[@]	162.98	2$^+$		
1915.5	(7$^-$)	121.0	65 *9*	1794.0	(6$^-$)	(M1+E2)	3.1 *8*
		239.5	100 *4*	1675.62	(5)$^-$		
1921.28?	(≤4)	1758.3[@d] *2*	100[@]	162.98	2$^+$		
1924.9		1489[@] *1*	100[@]	435.91	4$^+$		
1940.69	(4$^+$,5,6$^+$)	1142.5[@] *2*	73[@] *22*	798.25	6$^+$		
		1504.7[@] *2*	100[@] *31*	435.91	4$^+$		
1953.95		1155.7[@] *1*	100[@]	798.25	6$^+$		
1967.60	(4$^+$)	940[@] *1*	38[@] *11*	1027.81	(4)$^+$		
		1169[@] *1*	43[@] *13*	798.25	6$^+$		
		1532[@] *1*	100[@] *15*	435.91	4$^+$		
		1804.6[@] *2*	94[@] *28*	162.98	2$^+$		
1981.54		1545.6[@] *2*	100[@]	435.91	4$^+$		
2011.19	(≤4)	1848.2[@] *1*	100[@]	162.98	2$^+$		
2018.0	(9$^-$)	177.7	100	1840.3	8$^-$	(M1+E2)	0.9 *4*
2061.75		1263.5[@] *2*	100[@]	798.25	6$^+$		
2072.55		1274.3[@] *2*	100[@]	798.25	6$^+$		
2075.7	(8$^-$)	160.0	59 *15*	1915.5	(7$^-$)		
		281.1	100 *7*	1794.0	(6$^-$)	(E2)	0.1198
2125.59?	(≤4)	1962.6[@d] *2*	100[@]	162.98	2$^+$		
2152.42?		1716.5[@d] *2*	100[@]	435.91	4$^+$		
2158.20	(4$^+$,5,6$^+$)	1359.8[@] *2*	34[@] *10*	798.25	6$^+$		
		1722.4[@] *2*	100[@] *30*	435.91	4$^+$		
2169.75	(6$^+$,7,8$^+$)	939[@] *1*	60[@] *19*	1230.52	8$^+$		
		1371.5[@] *2*	100[@] *31*	798.25	6$^+$		
2201.55	(1,2$^+$)	1709[@] *1*	75[@] *25*	491.78	0$^+$		

$^{184}_{78}Pt_{106}$-9

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[b]	Comments
2201.55	(1,2$^+$)	2038.7[@] *2*	100[@] *30*	162.98	2$^+$			
2204.3	12$^+$	497.5[a] *2*	100[a]	1706.77	10$^+$	E2[a]	0.0251	B(E2)(W.u.)=183 *17* Mult.: Q from γ(θ); not M2 from RUL.
2216.7	(10$^-$)	198.7	100.0 *15*	2018.0	(9$^-$)	(M1+E2)	0.7 *3*	
		376.4	67 *5*	1840.3	8$^-$			
2230.7	(9$^-$)	154.6	19 *4*	2075.7	(8$^-$)			
		314.7	100 *4*	1915.5	(7$^-$)			
2253.76		1455.5[@] *2*	100[@]	798.25	6$^+$			
2283.49?	(≤4)	2120.5[@d] *2*	100[@]	162.98	2$^+$			
2330.92	(6$^+$)	173[@] *1*	14[@] *4*	2158.20	(4$^+$,5,6$^+$)			
		349[@] *1*	21[@] *7*	1981.54				
		377.0[@] *2*	60[@] *18*	1953.95				
		390[@] *1*	15[@] *5*	1940.69	(4$^+$,5,6$^+$)			
		447.9[@] *2*	21[@] *7*	1882.95	(4$^+$,5,6$^+$)			
		479.0[@] *2*	49[@] *15*	1852.11	(2$^+$,3,4$^+$)			
		531.1[@] *2*	43[@] *13*	1799.76	6$^+$			
		586[@] *1*	64[@] *10*	1745.11				
		600.4[@] *2*	12[@] *4*	1730.58	(7)$^+$			
		649[@] *1*	13[@] *4*	1682.10	(≤4)			
		701.8[@] *2*	24[@] *7*	1629.31	5$^+$,6$^+$,7$^+$			
		868.2[@] *1*	80[@] *12*	1462.57	(6)$^+$			
		899.3[@] *1*	62[@] *10*	1431.78	(4,5)$^+$			
		1024.0[@] *2*	15[@] *5*	1306.92	(5)$^+$			
		1100.4[@] *1*	100[@] *15*	1230.52	8$^+$			
		1303[@] *1*	24[@] *7*	1027.81	(4)$^+$			
		1532.6[@] *1*	79[@] *12*	798.25	6$^+$			
		1895[@] *1*	12[@] *4*	435.91	4$^+$			
2434.6?		759[@d] *1*	100[@]	1675.62	(5)$^-$			E_γ: for doublet.
2435.6	(11$^-$)	218.8	72 *9*	2216.7	(10$^-$)			
		417.8	100.0 *22*	2018.0	(9$^-$)	(E2)	0.0390	
2452.1	(10$^-$)	221.0	21 *6*	2230.7	(9$^-$)			
		375.7	100 *27*	2075.7	(8$^-$)			
2452.54	(6$^+$,7,8$^+$)	653[@] *1*	100[@] *30*	1799.76	6$^+$			
		823[@] *1*	34[@] *10*	1629.31	5$^+$,6$^+$,7$^+$			
		1222.0[@] *2*	54[@] *17*	1230.52	8$^+$			

$^{184}_{78}Pt_{106}$-10

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[b]	Comments
2452.54	(6$^+$,7,8$^+$)	1654.3[@] *2*	41[@] *12*	798.25	6$^+$			
2454.82?	(≤4)	1610.9[@d] *2*	100[@]	843.91	2$^+$			
2460.63	(6$^+$,7,8$^+$)	660.9[@] *2*	73[@] *22*	1799.76	6$^+$			
		831[@] *1*	100[@] *30*	1629.31	5$^+$,6$^+$,7$^+$			
		1230[@] *1*	44[@] *13*	1230.52	8$^+$			
		1662[@] *1*	33[@] *9*	798.25	6$^+$			
2531.8?	(1,2$^+$)	2040[@d] *1*	100[@]	491.78	0$^+$			
2536.33	(4$^+$,5,6$^+$)	854[@] *1*	30[@] *9*	1682.10	(≤4)			
		939[@] *1*	44[@] *13*	1597.55	(4)$^+$			
		1073.7[@] *1*	100[@] *16*	1462.57	(6)$^+$			
		1105[@] *1*	42[@] *13*	1431.78	(4,5)$^+$			
		1229.4[@] *1*	74[@] *11*	1306.92	(5)$^+$			
		1509.6[@d] *2*	22[@] *7*	1027.81	(4)$^+$			
		1738.3[@] *2*	45[@] *13*	798.25	6$^+$			
2552.81	(6$^+$)	221.9[@] *1*	100[@] *16*	2330.92	(6$^+$)	[M1,E2]	0.48 *23*	
		299[@] *1*	3.3[@] *10*	2253.76				
		394[@] *1*	1.4[@] *4*	2158.20	(4$^+$,5,6$^+$)			
		585[@] *1*	10[@] *3*	1967.60	(4$^+$)			
		599[@] *1*	4.5[@] *14*	1953.95				
		612[@] *1*	8.3[@] *24*	1940.69	(4$^+$,5,6$^+$)			
		669.9[@] *2*	10[@] *3*	1882.95	(4$^+$,5,6$^+$)			
		753[c] *1*	6.9[c] *21*	1799.76	6$^+$			
		808[@] *1*	5.9[@] *17*	1745.11				
		822[@] *1*	14[@] *4*	1730.58	(7)$^+$			
		860[@] *1*	3.4[@] *10*	1692.8				
		871[@] *1*	9.0[@] *28*	1682.10	(≤4)			
		923[@] *1*	25[@] *4*	1629.31	5$^+$,6$^+$,7$^+$			
		1090.2[@] *3*	78[@] *12*	1462.57	(6)$^+$			
		1245.8[@] *1*	79[@] *12*	1306.92	(5)$^+$			
		1318[@] *1*	6.4[@] *19*	1234.33	4$^+$			
		1322.2[@] *2*	13[@] *4*	1230.52	8$^+$			
		1524.9[@] *1*	41[@] *7*	1027.81	(4)$^+$			
		1614.2[@] *2*	5.3[@] *16*	939.79	(3)$^+$			E_γ: 6σ from expected value; datum excluded from least-squares fit.

$^{184}_{78}Pt_{106}$-11

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π
2552.81	(6^+)	1754.6@ *1*	91@ *14*	798.25	6^+
		2117.0@ *1*	34@ *5*	435.91	4^+
2585.19?	(≤ 4)	2422.2@d *2*	100@	162.98	2^+
2592.8	(11^-)	388.4	100	2204.3	12^+
2611.56	$(4^+,5,6^+)$	811.5@ *2*	16@ *5*	1799.76	6^+
		1014.1@ *2*	5.5@ *16*	1597.55	$(4)^+$
		1149@ *1*	6.1@ *18*	1462.57	$(6)^+$
		1671.6@ *2*	4.7@ *14*	939.79	$(3)^+$
		1813.4@ *1*	100@ *16*	798.25	6^+
2624.8	(11^-)	172.9		2452.1	(10^-)
		393.8	100.0 *14*	2230.7	(9^-)
2631.89	$(2^+,3,4^+)$	805.4@ *2*	19@ *6*	1826.33	$(2^+,3,4^+)$
		918.1@ *2*	16@ *5*	1713.78	$(1,2^+)$
		950@ *1*	8.5@ *27*	1682.10	(≤ 4)
		1397.4@ *1*	100@ *15*	1234.33	4^+
		1459.3@ *2*	23@ *7*	1172.60	2^+
		1691.9@ *2*	19@ *6*	939.79	$(3)^+$
		1788.3@ *2*	12@ *3*	843.91	2^+
		1983.2@ *2*	20@ *6*	648.67	2^+
		2196.1@ *1*	73@ *12*	435.91	4^+
		2469.0@ *2*	25@ *8*	162.98	2^+
2637.70	$(2^+,3,4^+)$	811@ *1*	11@ *3*	1826.33	$(2^+,3,4^+)$
		924@ *1*	10@ *3*	1713.78	$(1,2^+)$
		1167.7@ *1*	49@ *7*	1469.91	$(3)^+$
		1184@ *1*	12@ *4*	1453.45	(≤ 4)
		1403.4@ *2*	16@ *5*	1234.33	4^+
		1697.9@ *1*	45@ *7*	939.79	$(3)^+$
		1794.1@ *2*	17@ *5*	843.91	2^+
		1989.0@ *1*	44@ *7*	648.67	2^+
		2201.7@ *1*	51@ *8*	435.91	4^+
		2474.8@ *1*	100@ *14*	162.98	2^+
2652.88	$(2^+,3,4^+)$	800.6@ *2*	32@ *10*	1852.11	$(2^+,3,4^+)$
		826.5@ *1*	67@ *10*	1826.33	$(2^+,3,4^+)$

$^{184}_{78}Pt_{106}$-12

Adopted Levels, Gammas (continued)

$\gamma(^{184}Pt)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[b]	Comments
2652.88	$(2^+,3,4^+)$	1418.4[@] *2*	30[@] *9*	1234.33	4^+			
		1713.1[@] *1*	100[@] *15*	939.79	$(3)^+$			
		1808.9[@d] *2*	15[@] *5*	843.91	2^+			
		2490.0[@] *1*	93[@] *14*	162.98	2^+			
2673.6	(12^-)	238.0	50.0 *21*	2435.6	(11^-)	(M1+E2)	0.39 *19*	
		456.8	100 *6*	2216.7	(10^-)			
2692.3		1894[@] *1*	100[@]	798.25	6^+			
2726.7	14^+	522.4[a] *3*	100[a]	2204.3	12^+	(E2)[a]	0.0223	B(E2)(W.u.)=165 *17* Mult.: Q from $\gamma(\theta)$; not M2 from RUL.
2822.36?		2024.1[@d] *2*	100[@]	798.25	6^+			
2912.9	(12^-)	286.7	23.3 *23*	2624.8	(11^-)	(M1+E2)	0.23 *12*	
		459.5	100.0 *23*	2452.1	(10^-)	(E2)	0.0305	
2928.1	(13^-)	254.5	30 *5*	2673.6	(12^-)	(M1+E2)	0.32 *16*	
		492.5	100.0 *18*	2435.6	(11^-)	(E2)	0.0257	
3081.8	(13^-)	355.1	58 *19*	2726.7	14^+			
		457.6	100 *27*	2624.8	(11^-)			
		488[d]	38 *4*	2592.8	(11^-)			
		877.1	88 *4*	2204.3	12^+	(E1)	0.00270	Mult.: D from $\gamma(\theta)$; $\Delta\pi$=(yes) from level scheme.
3094.9	(13^-)	470.7	100 *6*	2624.8	(11^-)	(E2)	0.0287	
		502	32 *16*	2592.8	(11^-)			
		890.0		2204.3	12^+			
3197.4	(14^-)	269.3	100 *6*	2928.1	(13^-)	(M1+E2)	0.27 *14*	
		523.8		2673.6	(12^-)			
3281.9	16^+	555.2[a] *3*	100[a]	2726.7	14^+	E2[a]	0.0193	B(E2)(W.u.)=143 *17*
3435.9?	(14^-)	523[d]		2912.9	(12^-)			
3440.2	(15^-)	345.3	27 *5*	3094.9	(13^-)	(Q)		
		358.6	64 *11*	3081.8	(13^-)	(E2)	0.0589	
		713.4	100.0 *12*	2726.7	14^+	(E1)	0.00400	
3476.1	(15^-)	278.6	39 *4*	3197.4	(14^-)	(M1+E2)	0.25 *13*	
		548.0	100 *7*	2928.1	(13^-)			
3596.3	(16^+)	314.3	100	3281.9	16^+			
3611.2	(15^-)	516.3	100 *10*	3094.9	(13^-)			
		529.4	67 *13*	3081.8	(13^-)			
3763.5	(16^-)	287.4	52 *3*	3476.1	(15^-)	(M1+E2)	0.23 *12*	
		566.1	100 *10*	3197.4	(14^-)			
3868.6	18^+	586.6[a] *4*	100[a]	3281.9	16^+	(E2)[a]	0.01695	B(E2)(W.u.)=8.E+1 *5*
3902.0	(17^-)	461.9	100.0 *12*	3440.2	(15^-)	(E2)	0.0301	
		620.1	44.2 *18*	3281.9	16^+			
3989.9?	(16^-)	554[d]		3435.9?	(14^-)			

$^{184}_{78}Pt_{106}$-13

Adopted Levels, Gammas (continued)

γ(^{184}Pt) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α[b]	Comments
4053.7	(17⁻)	290.2	34.1 *24*	3763.5	(16⁻)	(M1+E2)	0.22 *12*	
		577.6	100 *7*	3476.1	(15⁻)			
4172.0	(18⁺)	303.4	100 *4*	3868.6	18⁺			
		575.7	<696	3596.3	(16⁺)			
4175.4	(17⁻)	564.2	100	3611.2	(15⁻)	(E2)	0.0186	
4352.5	(18⁻)	298.8		4053.7	(17⁻)			
		589.0		3763.5	(16⁻)			
4438.5	(19⁻)	536.7	100.0 *5*	3902.0	(17⁻)	(E2)	0.0209	
		569.8	22.4 *10*	3868.6	18⁺			
4493.0	20⁺	624.4[a] *4*	100[a]	3868.6	18⁺	(E2)[a]	0.01471	
4564.9?	(18⁻)	575[d]		3989.9?	(16⁻)			
4657.1	(19⁻)	304.6	76 *6*	4352.5	(18⁻)	(M1+E2)	0.19 *10*	
		603.4	100 *24*	4053.7	(17⁻)			
4789.0	(19⁻)	613.6	100 *8*	4175.4	(17⁻)			
4815.7	(20⁺)	322.7	100 *9*	4493.0	20⁺	D+Q		
		643.7		4172.0	(18⁺)			
4977.6	(20⁻)	320.5	31 *6*	4657.1	(19⁻)			
		625.1	100 *12*	4352.5	(18⁻)			
5013.5	(21⁻)	575.0	100	4438.5	(19⁻)	[E2]	0.01775	
5166.6	22⁺	673.7	100	4493.0	20⁺	(E2)	0.01242	
5310.9	(21⁻)	653.8	100	4657.1	(19⁻)			
5471.8	(21⁻)	682.8	100	4789.0	(19⁻)	(E2)	0.01206	
5510.9	(22⁺)	344.3	100 *9*	5166.6	22⁺			
		695.1		4815.7	(20⁺)			
5614.8	(23⁻)	601.3	100.0	5013.5	(21⁻)	(E2)	0.01602	
5664.3	(22⁻)	686.7	100	4977.6	(20⁻)			
5896.6	24⁺	730.0	100	5166.6	22⁺	(E2)	0.01044	
6031.5	(23⁻)	720.6	100	5310.9	(21⁻)			
6259.2	(25⁻)	644.4	100	5614.8	(23⁻)	[E2]	0.01370	Mult.: A_2=+0.17 *3*, A_4=+0.11 *2* (1990Ca22); not consistent with E2 character implied by authors' level scheme.
6685.5	(26⁺)	788.9	100	5896.6	24⁺	[E2]	0.00886	
6962.7	(27⁻)	703.5	100	6259.2	(25⁻)	(E2)	0.01130	
7534.9	(28⁺)	849.4	100	6685.5	(26⁺)			
7733.2	(29⁻)	770.5	100	6962.7	(27⁻)			

[†] From ^{154}Sm(^{34}S,4nγ),^{172}Yb(^{16}O,4nγ), except as noted.
[‡] From ^{154}Sm(^{34}S,4nγ),^{172}Yb(^{16}O,4nγ), except as noted, assigning Δπ=(no) to intraband transitions.
[#] On same scale as γ intensity from this level.
[@] From ε decay.

$^{184}_{78}Pt_{106}$-14

$\gamma(^{184}Pt)$ (continued)

[&] From IT decay.
[a] From $^{177}Hf(^{12}C,5n\gamma)$,$^{175}Lu(^{14}N,5n\gamma)$.
[b] 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.
[c] Multiply placed with intensity suitably divided.
[d] Placement of transition in the level scheme is uncertain.

$^{184}_{78}Pt_{106}$-15

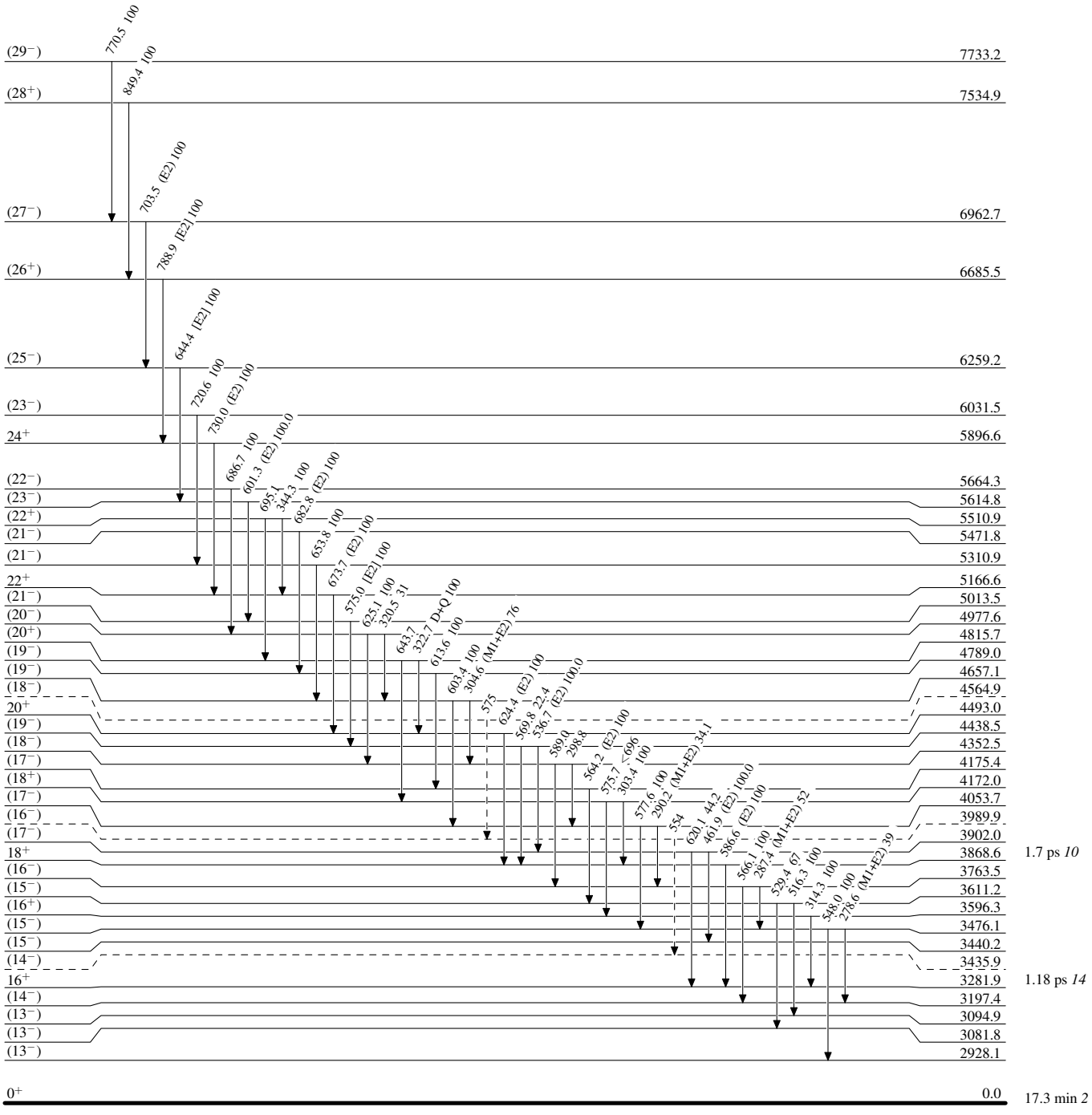
Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

γ Decay (Uncertain)



$^{184}_{78}Pt_{106}$

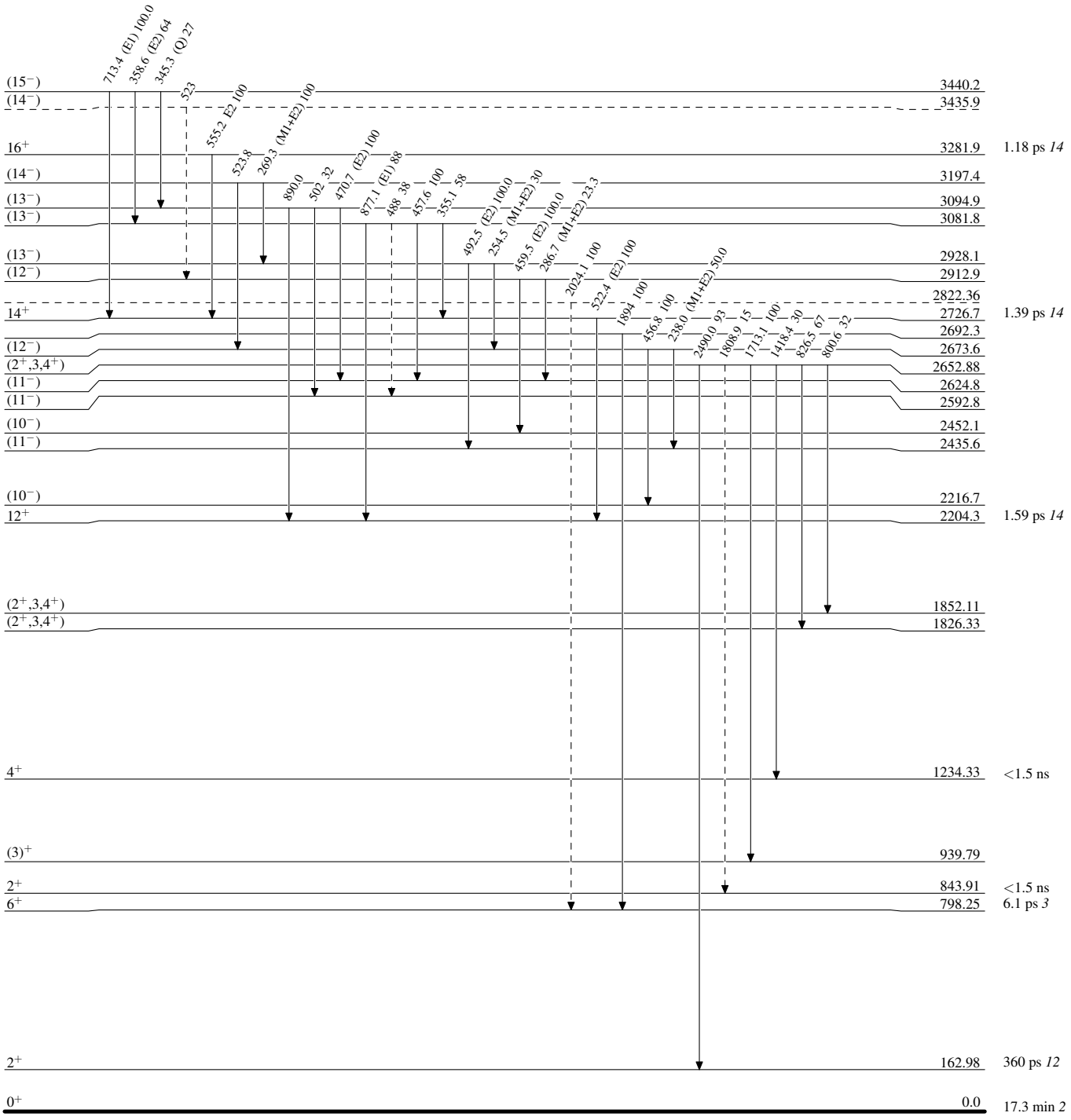
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)

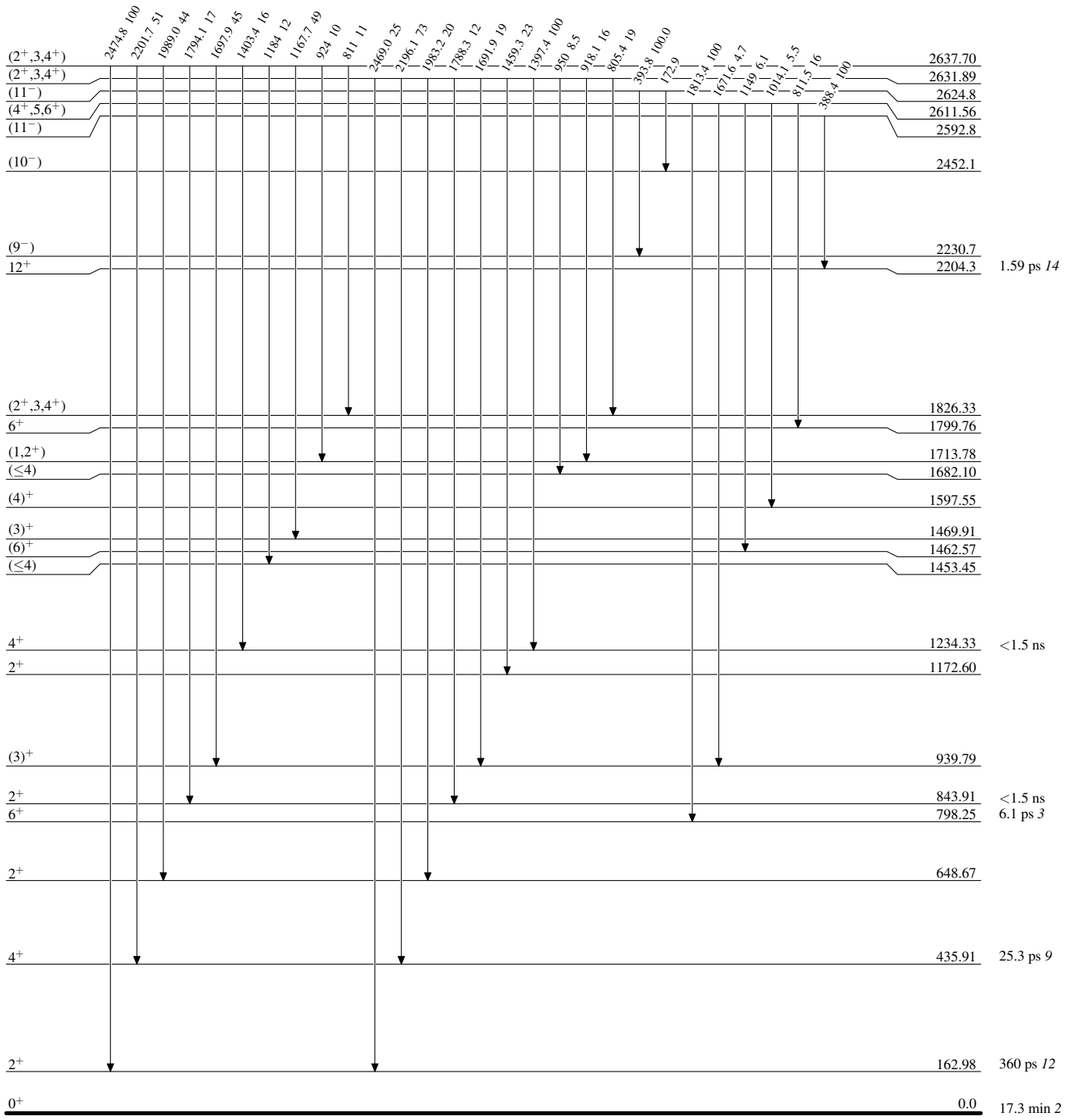


$^{184}_{78}Pt_{106}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{184}_{78}Pt_{106}$

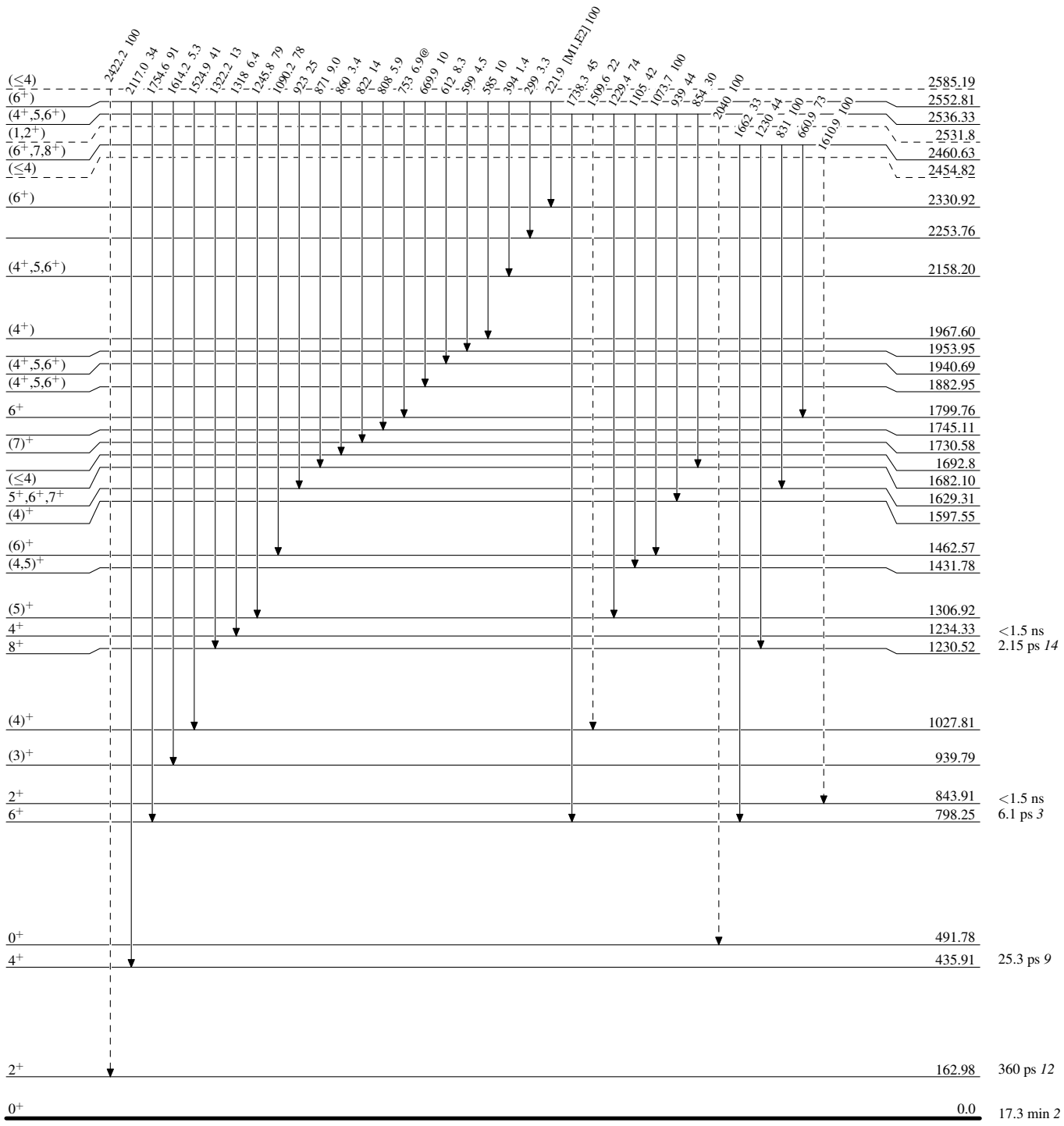
Adopted Levels, Gammas

Level Scheme (continued)

Legend

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)



$^{184}_{78}Pt_{106}$

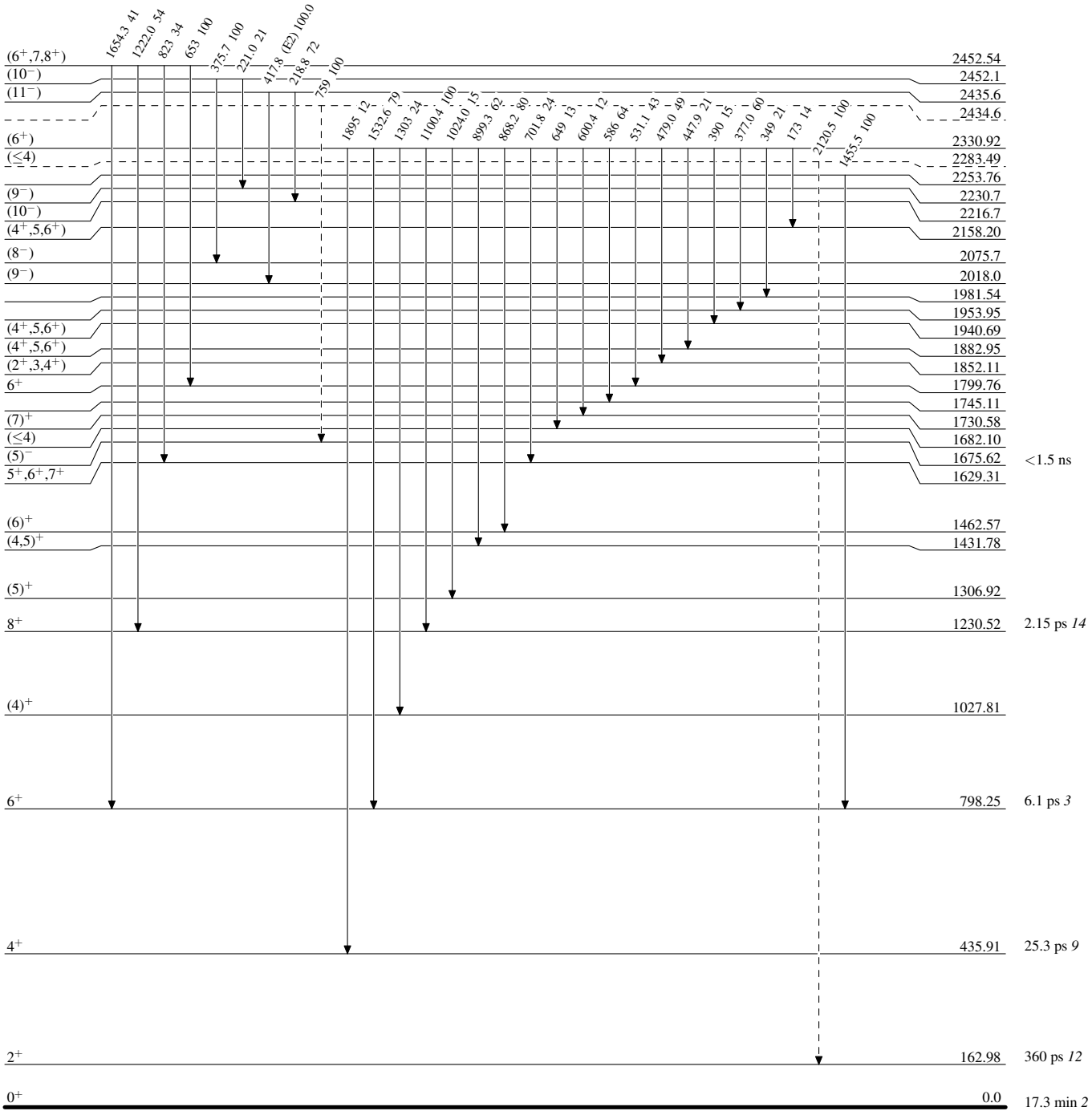
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)



$^{184}_{78}Pt_{106}$

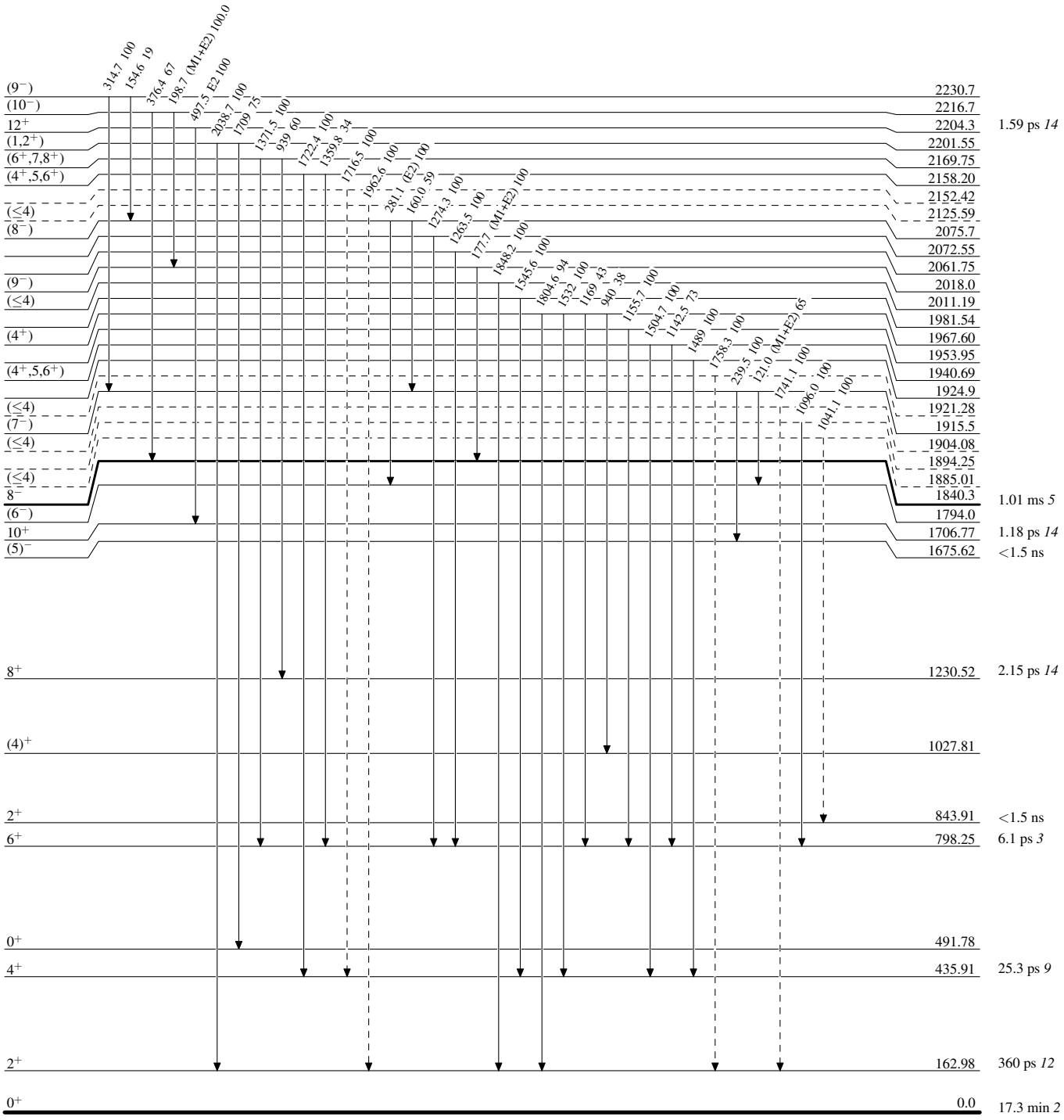
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)



$^{184}_{78}Pt_{106}$

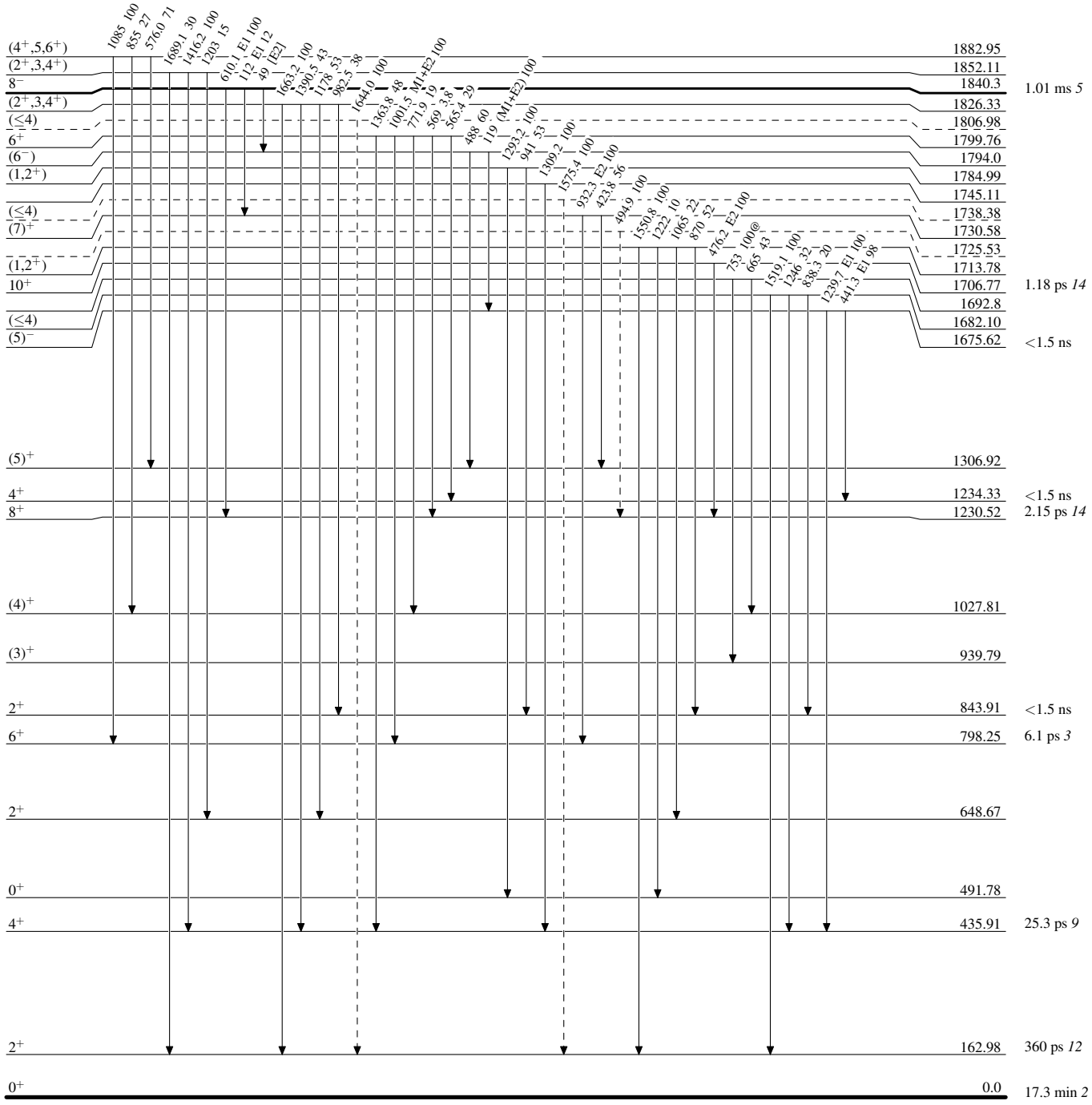
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)



$^{184}_{78}Pt_{106}$

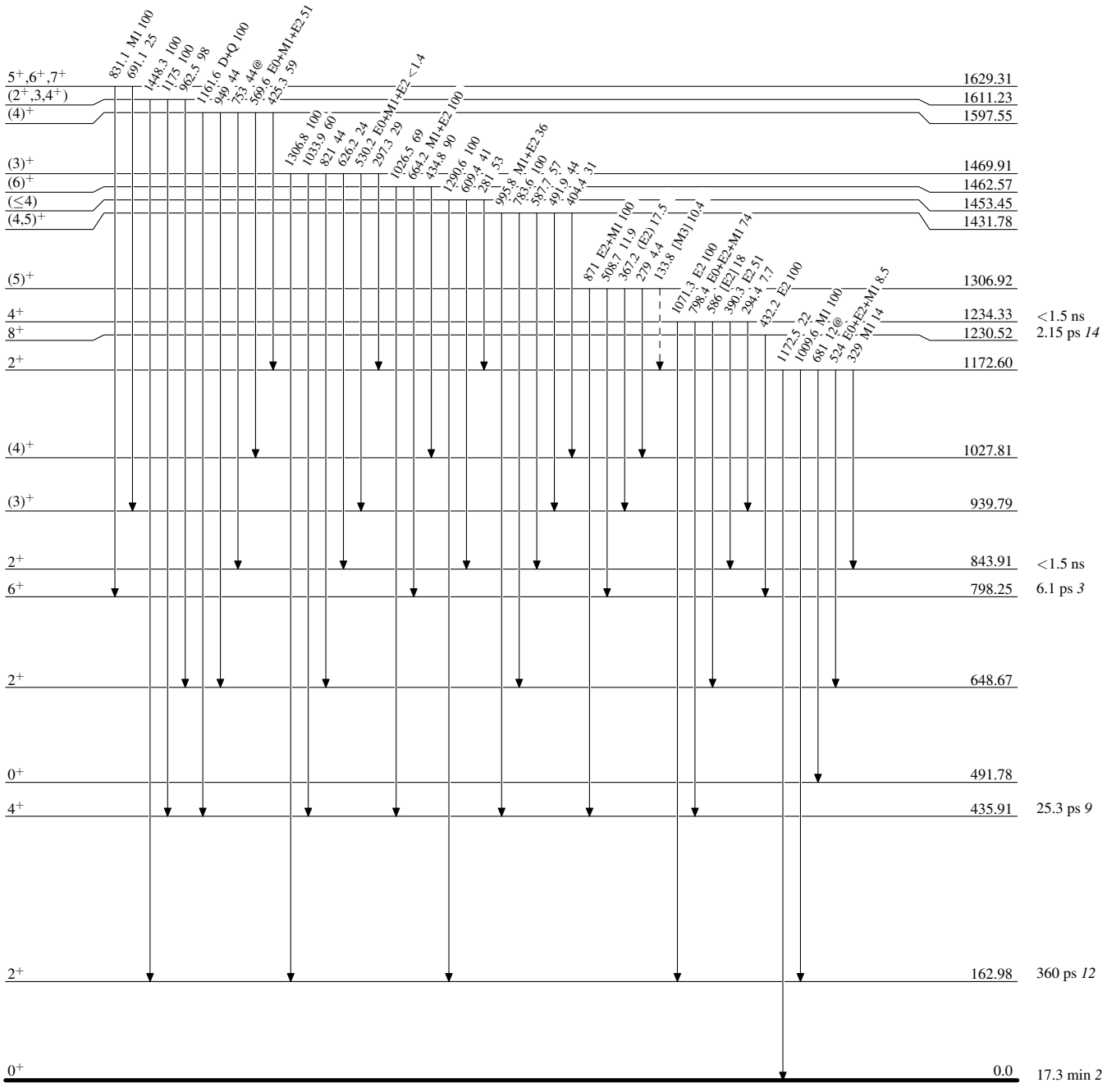
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)

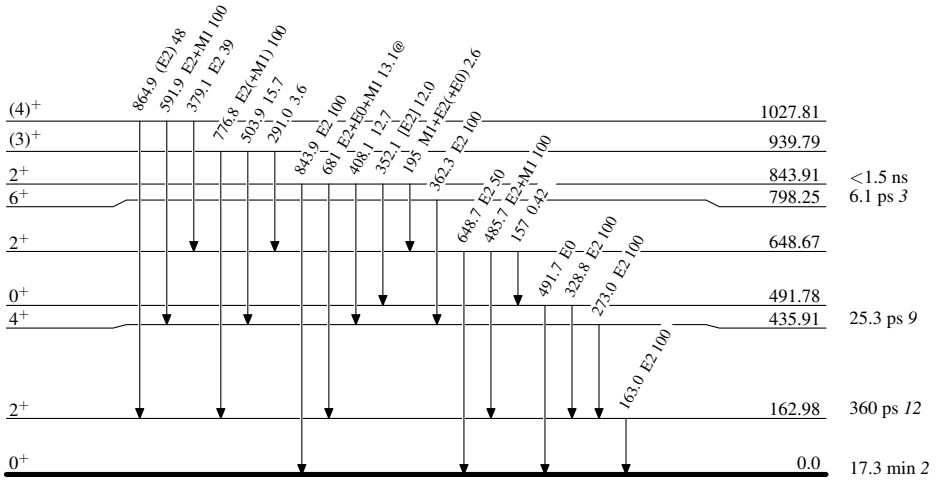


$^{184}_{78}Pt_{106}$

Adopted Levels, Gammas

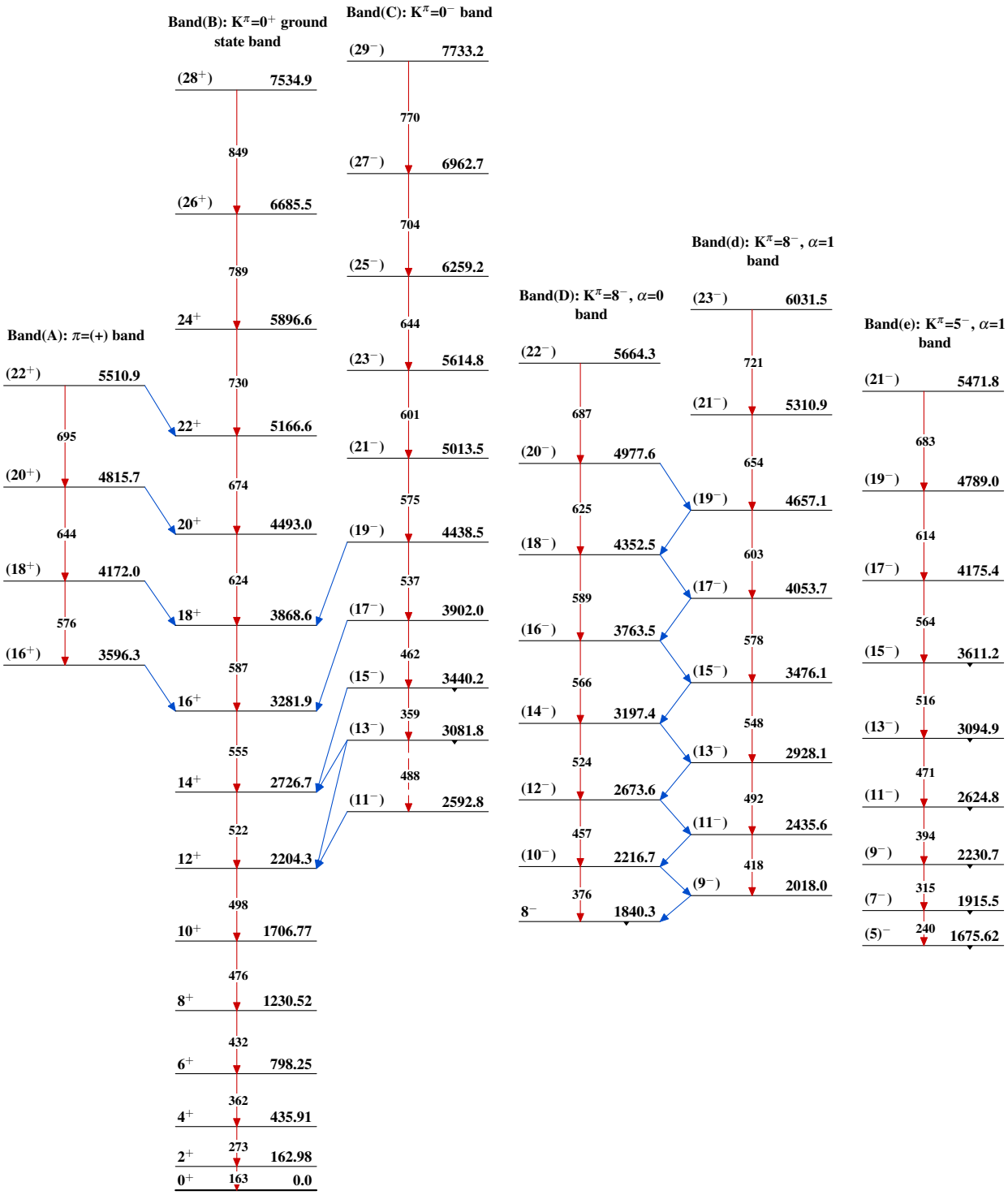
Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



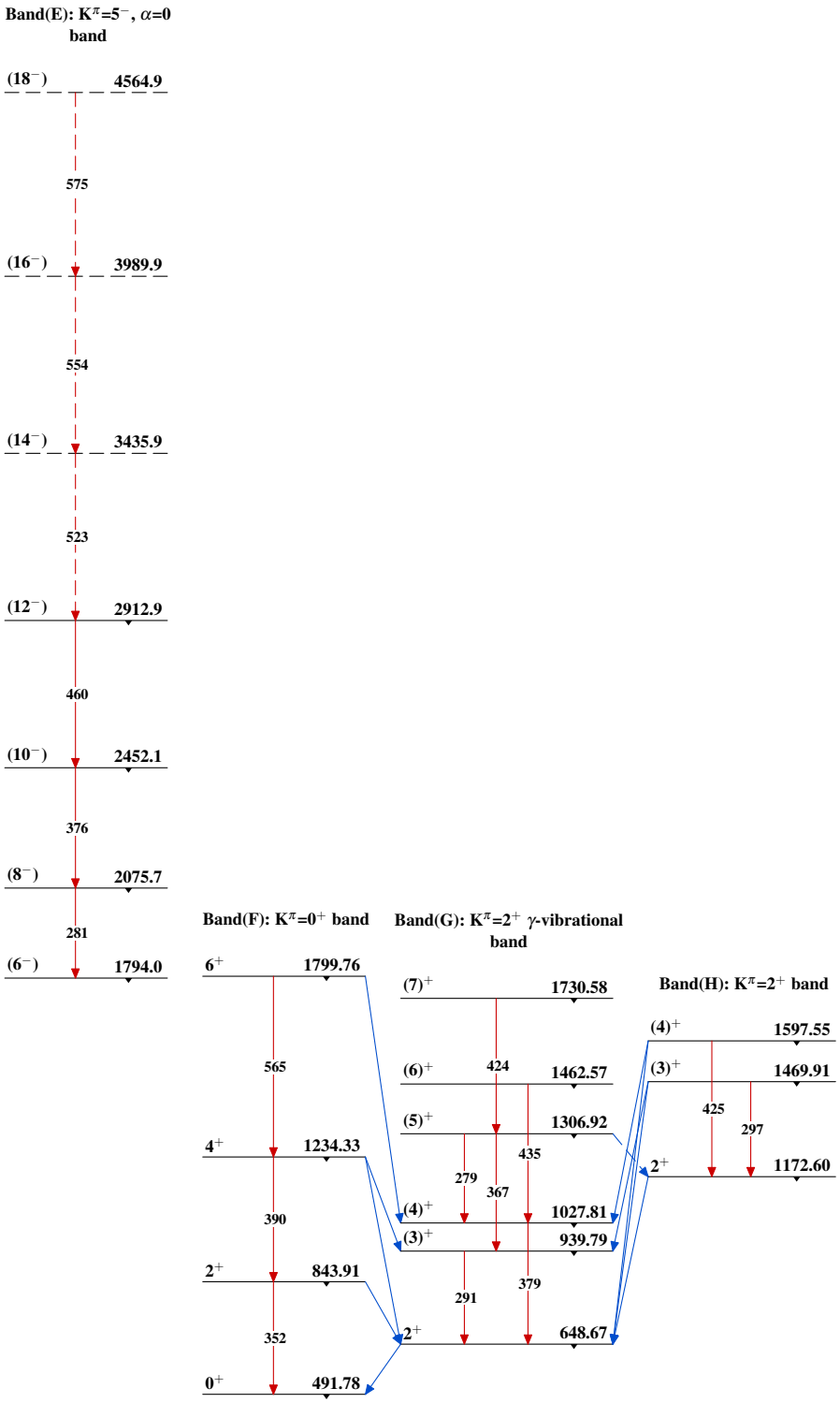
$^{184}_{78}Pt_{106}$

Adopted Levels, Gammas



$^{184}_{78}Pt_{106}$

Adopted Levels, Gammas (continued)



$^{184}_{78}Pt_{106}$