^{184}Pt ε decay 1988Be16,1996Om01

History

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

Parent: ^{184}Pt: E=0.0; J$^{\pi}$=0^{+}; $T_{1/2}$=17.3 min *2*; Q(ε)=2280 *30*; %ε+%β^{+} decay=100.0

Others: 1970FiZZ, 1975Ho03, 1987BrZR.

1975Ho03: β strength function deduced from total-absorption γ measurement.

1988Be16: ^{184}Pt source from ε decay of ^{184}Au obtained from on-line mass separated products of Pt(p,xn) reaction At E(p)=200 MeV; planar HPGe (FWHM=0.6 keV At 122 keV) for Eγ=8-450, 2 coax HPGe (FWHM=1.9 keV At 1300) for Eγ<1500 and Eγ<2000; coax Ge(Li) (FWHM=2.1 keV) for Eγ<1100; semi-circular magnetic spectrometer for E(ce)=10-400 keV and cooled Si(Li) for higher energy ce; measured Eγ, Iγ, I(ce), $\gamma\gamma$ coin, x-γ(t), $\gamma\gamma$(t). two-quasiparticle plus rotor model calculations.

1996Om01: measured ce-ce coin; deduced $T_{1/2}$ (2 levels).

^{184}Ir Levels

E(level)[†]	J$^{\pi}$[‡]	$T_{1/2}$[#]	Comments
0.0	5^{-}		
11.6?[@] *3*			E(level): order of 487.7γ and 11.6γ not established (1988Be16).
18.4?[@] *3*	(3^{-},4^{-},5^{-})		
70.73 *9*	4^{-}	<180 ps	$T_{1/2}$: from ce-ce coin (1996Om01). other: <300 ps (1987BrZR).
225.63 *11*	3^{+}	>500 ns	
237.16 *21*	+		
262.70 *11*	3^{-}	<300[a] ps	
293.27 *12*	2^{+}	1.1 ns *3*	$T_{1/2}$: from ce-ce coin and ce-γ coin (1996Om01). other:≈1 ns (1987BrZR).
295.55 *20*	(2,3,4)$^{+}$		
342.70 *12*	1^{+}		
355.47 *13*	2^{-}		
428.24 *13*	1^{+}		
432.48 *12*	(2)$^{+}$	>10 ns	$T_{1/2}$<200 ns, from $\gamma\gamma$(t).
478.73 *21*	(1)$^{+}$		
484.88 *15*	1^{+}		
499.27[@] *14*	(4)$^{+}$		1988Be16 very tentatively suggest a configuration of (π $h_{9/2}$)⊗(ν 7/2[503]) for this state.
499.93 *13*	1^{-}		
504.79 *13*	1^{-},2^{-}		
509.45 *13*	1^{+},2^{+}		
519.38 *14*	(3)$^{+}$		
554.46 *13*	2^{+}		
604.70 *15*	(3,4)$^{+}$		
621.02 *14*	(0,1)		
639.02 *14*	(3)$^{+}$		
659.80 *25*			
663.20 *16*	(2,3)$^{+}$		
792.59 *17*			
814.81 *16*	≤3		
855.94 *13*	(2)$^{+}$		
874.04 *21*	(0,1)$^{+}$		
903.84 *13*	1^{+}		
910.11 *16*	1^{+},2^{+},3^{+}		
924.98 *21*	1^{+}		
942.62[&] *14*	(0^{+},1^{+},2^{+})		
1065.26 *13*	1^{+}		
1086.59 *13*	1^{+}		
1166.1 *3*	(≤3)		
1223.1 *3*			
1362.0 *3*			

Continued on next page (footnotes at end of table)

^{184}Pt ε decay 1988Be16,1996Om01 (continued)

^{184}Ir Levels (continued)

† From least-squares fit to Eγ.
‡ From Adopted Levels.
# From 1987BrZR, except As noted.
@ The existence of the 11.6, 18.4, and 499.3 levels is based on coincidences between the transitions deexciting the 499.3 level and those deexciting well established higher-lying levels. However, the intensity feeding the 499.3 level greatly exceeds the intensity deexciting that level. The feeding through the 499.3 level could be balanced by a 66.7γ, creating only a very slight intensity imbalance at the 432.5 level. alternatively, the 499 level May deexcite via low energy transitions to levels directly feeding the g.s.. It would be unusual to have weakly fed low-J levels above the higher-spin ^{184}Ir ground state, and low-lying higher-J levels should have been observed in the reaction data.
& The 942.6 level has some excess feeding from higher levels.
[a] From 1987BrZR.

ε,β^+ radiations

E(decay)	E(level)	Iβ^+ ‡	Iε‡	Log *ft*	I($\varepsilon+\beta^+$)†‡	Comments
(9.2×10^2 *3*)	1362.0		0.41 *6*	6.65 *7*	0.41 *6*	εK=0.8000 *9*; εL=0.1515 *7*; εM+=0.04856 *24*
(1.06×10^3 *3*)	1223.1		0.37 *3*	6.83 *5*	0.37 *3*	εK=0.8032 *7*; εL=0.1491 *5*; εM+=0.04766 *18*
(1.11×10^3 *3*)	1166.1		0.40 *5*	6.84 *6*	0.40 *5*	εK=0.8043 *6*; εL=0.1483 *4*; εM+=0.04736 *16*
(1.19×10^3 *3*)	1086.59		23.3 *15*	5.14 *4*	23.3 *15*	εK=0.8056 *5*; εL=0.1474 *4*; εM+=0.04700 *14*
(1.21×10^3 *3*)	1065.26		11.5 *8*	5.46 *4*	11.5 *8*	εK=0.8059 *5*; εL=0.1471 *4*; εM+=0.04691 *13*
(1.34×10^3 *3*)	942.62		<0.4	>7.0	<0.4	εK=0.8075 *4*; εL=0.1459 *3*; εM+=0.04645 *11*
(1.36×10^3 *3*)	924.98		2.61 *17*	6.21 *4*	2.61 *17*	εK=0.8077 *4*; εL=0.1458 *3*; εM+=0.04639 *11*
(1.37×10^3 *3*)	910.11		<0.17	>7.4	<0.17	εK=0.8078 *3*; εL=0.1456 *3*; εM+=0.04634 *10*
(1.38×10^3 *3*)	903.84	0.007 *3*	29 *3*	5.18 *5*	29 *3*	av Eβ=179 *14*; εK=0.8079 *3*; εL=0.1456 *3*; εM+=0.04632 *10* I($\varepsilon+\beta^+$): calculated assuming mult(89γ)=M1,E2 but similar result is obtained if mult=E1.
(1.41×10^3 *3*)	874.04		1.67 *10*	6.44 *4*	1.67 *10*	εK=0.8081 *3*; εL=0.1453 *3*; εM+=0.04623 *10*
(1.47×10^3# *3*)	814.81		1.0 *7*	6.7 *3*	1.0 *7*	εK=0.8085 *2*; εL=0.14483 *25*; εM+=0.04604 *10*
(1.49×10^3# *3*)	792.59		0.21 *10*	7.39 *21*	0.21 *10*	εK=0.8086 *2*; εL=0.14466 *24*; εM+=0.04598 *9*
(1.62×10^3 *3*)	659.80	<0.002	<0.9	>6.8	<0.9	av Eβ=289 *14*; εK=0.8088 *1*; εL=0.14362 *24*; εM+=0.04560 *9*
(1.66×10^3 *3*)	621.02	0.0036 *9*	1.42 *19*	6.66 *6*	1.42 *19*	av Eβ=306 *14*; εK=0.8086 *2*; εL=0.14332 *24*; εM+=0.04549 *9* I($\varepsilon+\beta^+$): calculated assuming π(621 level)=+, but value is almost the same if π is reversed.
(1.77×10^3 *3*)	509.45	0.007 *4*	1.5 *9*	6.7 *3*	1.5 *9*	av Eβ=355 *14*; εK=0.8076 *5*; εL=0.14243 *25*; εM+=0.04517 *9*
(1.78×10^3# *3*)	504.79	0.006 *4*	1.2 *9*	6.8 *4*	1.2 *9*	av Eβ=357 *14*; εK=0.8076 *5*; εL=0.1424 *3*; εM+=0.04516 *9*
(1.78×10^3 *3*)	499.93	0.012 *4*	2.5 *6*	6.48 *11*	2.5 *6*	av Eβ=359 *14*; εK=0.8075 *5*; εL=0.1424 *3*; εM+=0.04514 *9*
(1.80×10^3 *3*)	484.88	0.019 *3*	3.61 *10*	6.323 *21*	3.63 *10*	av Eβ=366 *14*; εK=0.8073 *5*; εL=0.1422 *3*; εM+=0.04510 *9*
(1.80×10^3 *3*)	478.73	0.0061 *19*	1.1 *3*	6.84 *12*	1.1 *3*	av Eβ=368 *14*; εK=0.8072 *5*; εL=0.1422 *3*; εM+=0.04508 *9*
(1.85×10^3 *3*)	428.24	0.021 *8*	3.0 *10*	6.43 *15*	3.0 *10*	av Eβ=391 *14*; εK=0.8064 *6*; εL=0.1417 *3*; εM+=0.04493 *10*
(1.94×10^3 *3*)	342.70	0.042 *17*	4.2 *16*	6.33 *17*	4.2 *16*	av Eβ=428 *14*; εK=0.8045 *9*; εL=0.1410 *3*; εM+=0.04466 *10*
(2.04×10^3 *3*)	237.16	<0.028	<1.9	>6.7	<1.9	av Eβ=474 *14*; εK=0.8012 *11*; εL=0.1399 *4*; εM+=0.04430 *11*

Continued on next page (footnotes at end of table)

^{184}Pt ε decay 1988Be16,1996Om01 (continued)

ε,β^+ radiations (continued)

† About 10-15% of the transition intensity is unplaced. This makes the weaker intensity branches very doubtful. The uncertainties reflect only the statistical error in the adopted intensities. Branchings to levels with $J^\pi=2^+$ or $J\geq3$ have been set to zero although, in some cases, an apparent net feeding exists.

‡ Absolute intensity per 100 decays.

Existence of this branch is questionable.

γ(^{184}Ir)

Iγ normalization: from Ti(70.7γ+225.8γ)=100; No g.s. feeding expected (ΔJ=5).

E_γ[‡]	I_γ[#&]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[†]	δ[†]	α[a]	$I_{(\gamma+ce)}$[&]	Comments
(11.6 *CA*)		11.6?		0.0	5⁻				1.14[@] *11*	
(11.6 *CA*)		237.16	+	225.63	3+	[M1+E2]			18.2[@] *18*	
(18.4 *CA*)		18.4?	(3⁻,4⁻,5⁻)	0.0	5⁻				1.31[@] *10*	
49.4 *1*	3.2 *3*	342.70	1+	293.27	2+	M1+E2	0.116 *12*	9.8 *4*		α(L)=7.5 *3*; α(M)=1.77 *7*; α(N+..)=0.513 *18* α(N)=0.433 *16*; α(O)=0.0749 *24*; α(P)=0.00485 *8* Mult.: L1:L2:L3=100:15:11 (1988Be16).
52.4 *1*	<1.7	484.88	1+	432.48	(2)+	M1		7.10		α(L)=5.47 *9*; α(M)=1.260 *19*; α(N+..)=0.369 *6* α(N)=0.310 *5*; α(O)=0.0548 *9*; α(P)=0.00413 *7* Mult.: L1/L2≈10 (1988Be16).
58.4 *1*	2.4 *2*	295.55	(2,3,4)+	237.16	+	M1+E2	0.14 *3*	6.0 *4*		α(L)=4.6 *3*; α(M)=1.09 *8*; α(N+..)=0.315 *22* α(N)=0.266 *20*; α(O)=0.046 *3*; α(P)=0.00295 *5* Mult.: L1/L2=4.9 (1988Be16).
66.8[d] *2*	0.38 *7*	499.27	(4)+	432.48	(2)+	[E2]		26.2 *6*		α(L)=19.7 *4*; α(M)=5.07 *11*; α(N+..)=1.41 *3* α(N)=1.223 *25*; α(O)=0.185 *4*; α(P)=0.000268 *5* I_γ: calculated from the assumed α(E2) and the intensity balance of −10.4 *18* At the 499 level.
67.6 *1*	19 *2*	293.27	2+	225.63	3+	M1+E2	0.29 *3*	5.0 *4*		α(L)=3.8 *3*; α(M)=0.92 *7*; α(N+..)=0.264 *19* α(N)=0.225 *16*; α(O)=0.0376 *24*; α(P)=0.00182 *4* Mult.: L1:L2:L3=100:43:31 (1988Be16).
70.7 *1*	85 *9*	70.73	4⁻	0.0	5⁻	M1		2.95		α(L)=2.27 *4*; α(M)=0.524 *8*; α(N+..)=0.1534 *23* α(N)=0.1289 *19*; α(O)=0.0228 *4*; α(P)=0.00172 *3* %Iγ=22.6 *5* assuming recommended decay scheme normalization. Mult.: L1/L2=10.
81.2 *1*	1.20 *12*	509.45	1+,2+	428.24	1+	[M1,E2]		11.10 *17*		α(K)=5 *5*; α(L)=5 *4*; α(M)=1.2 *9*; α(N+..)=0.33 *23* α(N)=0.28 *20*; α(O)=0.04 *3*; α(P)=0.0007 *5*
85.5 *1*	2.6 *3*	428.24	1+	342.70	1+	M1+E2	0.28 *5*	9.54		α(K)=7.38 *21*; α(L)=1.65 *13*; α(M)=0.39 *4*; α(N+..)=0.113 *9* α(N)=0.096 *8*; α(O)=0.0163 *12*; α(P)=0.00093 *3* Mult.: L1/L2≈3.4 (1988Be16).
89.0 *1*	0.3 *1*	903.84	1+	814.81	≤3	[M1,E2]		8.0 *6*		α(K)=4 *4*; α(L)=3.1 *20*; α(M)=0.8 *6*; α(N+..)=0.22 *14* α(N)=0.19 *13*; α(O)=0.030 *18*; α(P)=0.0005 *4*
89.8 *1*	0.4 *1*	432.48	(2)+	342.70	1+	[M1+E2]		7.8 *6*		α(K)=4 *3*; α(L)=3.0 *19*; α(M)=0.7 *5*; α(N+..)=0.21 *14* α(N)=0.18 *12*; α(O)=0.028 *17*; α(P)=0.0005 *4*
92.7 *1*	20 *2*	355.47	2⁻	262.70	3⁻	M1		7.61		α(K)=6.27 *9*; α(L)=1.035 *15*; α(M)=0.238 *4*; α(N+..)=0.0698 *10*

$^{184}_{77}$Ir$_{107}$-4

γ(^{184}Ir) (continued)

E_γ[‡]	I_γ[#&]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[†]	δ[†]	α[a]	Comments
									α(N)=0.0586 *9*; α(O)=0.01038 *15*; α(P)=0.000781 *12* Mult.: L1/L2≈10, α(L1)exp=0.9 (1988Be16).
105.5 *1*	1.1 *1*	604.70	(3,4)$^+$	499.27	(4)$^+$	M1		5.25	α(K)=4.33 *7*; α(L)=0.712 *11*; α(M)=0.1640 *24*; α(N+..)=0.0480 *7* α(N)=0.0403 *6*; α(O)=0.00714 *11*; α(P)=0.000537 *8* Mult.: α(K)exp=5 (1988Be16).
117.0 *1*	9.1 *9*	342.70	1$^+$	225.63	3$^+$	E2		2.46	α(K)=0.590 *9*; α(L)=1.405 *21*; α(M)=0.361 *6*; α(N+..)=0.1007 *15* α(N)=0.0873 *13*; α(O)=0.01335 *20*; α(P)=6.23×10^{-5} *9* Mult.: L1:L2:L3=14:100:77, α(K)exp=0.6 (1988Be16).
121.1 *1*	0.2 *1*	621.02	(0,1)	499.93	1$^-$	[E1]		0.245	α(K)=0.199 *3*; α(L)=0.0353 *5*; α(M)=0.00814 *12*; α(N+..)=0.00231 *4* α(N)=0.00197 *3*; α(O)=0.000328 *5*; α(P)=1.754×10^{-5} *25*
122.7 *1*	1.5 *2*	1065.26	1$^+$	942.62	(0$^+$,1$^+$,2$^+$)	M1(+E2)	<0.7	3.18 *23*	α(K)=2.4 *4*; α(L)=0.57 *11*; α(M)=0.14 *3*; α(N+..)=0.039 *9* α(N)=0.033 *8*; α(O)=0.0056 *11*; α(P)=0.00030 *5* Mult.: α(K)exp=2.7 (1988Be16).
^{x}123.6 *1*	0.7 *1*					M1+E2	0.8 *3*	2.8 *3*	α(K)=1.9 *5*; α(L)=0.70 *13*; α(M)=0.17 *4*; α(N+..)=0.049 *10* α(N)=0.042 *8*; α(O)=0.0068 *12*; α(P)=0.00023 *6* Mult.: α(K)exp=1.9 (1988Be16).
135.0 *1*	1.3 *1*	428.24	1$^+$	293.27	2$^+$	[M1,E2]		2.0 *6*	α(K)=1.3 *9*; α(L)=0.54 *20*; α(M)=0.13 *6*; α(N+..)=0.038 *15* α(N)=0.033 *13*; α(O)=0.0053 *18*; α(P)=0.00015 *11*
139.1 *1*	3.4 *3*	432.48	(2)$^+$	293.27	2$^+$	M1(+E2)	<0.8	2.17 *23*	α(K)=1.7 *3*; α(L)=0.38 *7*; α(M)=0.092 *18*; α(N+..)=0.026 *5* α(N)=0.022 *5*; α(O)=0.0038 *6*; α(P)=0.00020 *4* Mult.: α(K)exp=1.7 (1988Be16).
139.7 *1*	3.7 *4*	639.02	(3)$^+$	499.27	(4)$^+$	M1(+E2)	<0.8	2.14 *22*	α(K)=1.6 *3*; α(L)=0.38 *6*; α(M)=0.090 *18*; α(N+..)=0.026 *5* α(N)=0.022 *5*; α(O)=0.0037 *6*; α(P)=0.00020 *4* Mult.: α(K)exp=1.7 (1988Be16).
143.9 *1*	1.1 *1*	1086.59	1$^+$	942.62	(0$^+$,1$^+$,2$^+$)	[M1+E2]		1.6 *6*	α(K)=1.1 *7*; α(L)=0.42 *13*; α(M)=0.10 *4*; α(N+..)=0.030 *10* α(N)=0.025 *9*; α(O)=0.0041 *12*; α(P)=0.00013 *10*
144.4 *1*	3.8 *4*	499.93	1$^-$	355.47	2$^-$	M1(+E2)	<0.9	1.91 *24*	α(K)=1.5 *4*; α(L)=0.35 *6*; α(M)=0.083 *17*; α(N+..)=0.024 *5* α(N)=0.020 *4*; α(O)=0.0034 *6*; α(P)=0.00018 *4* Mult.: α(K)exp=1.5 (1988Be16).
^{x}145.5 *1*	0.5 *1*								
149.3 *1*	4.7 *5*	504.79	1$^-$,2$^-$	355.47	2$^-$	M1(+E2)	<0.5	1.85 *11*	α(K)=1.48 *13*; α(L)=0.284 *21*; α(M)=0.067 *6*; α(N+..)=0.0193 *16* α(N)=0.0163 *15*; α(O)=0.00282 *19*; α(P)=0.000183 *17* Mult.: α(K)exp=1.7 (1988Be16).
154.8[c] *1*	115[c] *12*	225.63	3$^+$	70.73	4$^-$	E1+M2	0.09 *3*	0.22 *7*	α(K)=0.17 *5*; α(L)=0.036 *14*; α(M)=0.009 *4*; α(N+..)=0.0025 *10* α(N)=0.0021 *9*; α(O)=0.00036 *15*; α(P)=2.2×10^{-5} *10* Mult.: α(K)exp=0.17, L1/L2=3.0 (1988Be16).
154.8[c] *1*	2[c] *1*	659.80		504.79	1$^-$,2$^-$				α(K)=0.9 *6*; α(L)=0.32 *8*; α(M)=0.078 *24*; α(N+..)=0.022 *7* α(N)=0.019 *6*; α(O)=0.0031 *8*; α(P)=0.00011 *8*
154.8[c] *1*	2[c] *1*	814.81	≤3	659.80					
161.4 *1*	5.5 *6*	1065.26	1$^+$	903.84	1$^+$	M1(+E2)	<0.6	1.46 *12*	α(K)=1.16 *14*; α(L)=0.227 *17*; α(M)=0.053 *5*; α(N+..)=0.0155 *13* α(N)=0.0131 *12*; α(O)=0.00226 *15*; α(P)=0.000142 *18* Mult.: α(K)exp=1.3 (1988Be16).

γ(^{184}Ir) (continued)

Eγ[‡]	Iγ[#&]	E$_i$(level)	J$^\pi_i$	E$_f$	J$^\pi_f$	Mult.[†]	δ[†]	α[a]	Comments
162.1 *1*	1.7 *2*	504.79	1$^-$,2$^-$	342.70	1$^+$	[E1]		0.1161	α(K)=0.0952 *14*; α(L)=0.01615 *23*; α(M)=0.00372 *6*; α(N+..)=0.001063 *15* α(N)=0.000902 *13*; α(O)=0.0001523 *22*; α(P)=8.74×10^{-6} *13*
166.7 *1*	1.0 *1*	509.45	1$^+$,2$^+$	342.70	1$^+$	[M1+E2]		1.0 *4*	α(K)=0.7 *5*; α(L)=0.24 *5*; α(M)=0.059 *15*; α(N+..)=0.017 *4* α(N)=0.014 *4*; α(O)=0.0023 *5*; α(P)=9.E−5 *6*
169.8 *1*	3.5 *4*	432.48	(2)$^+$	262.70	3$^-$	[E1]		0.1032	α(K)=0.0847 *12*; α(L)=0.01428 *21*; α(M)=0.00329 *5*; α(N+..)=0.000940 *14* α(N)=0.000798 *12*; α(O)=0.0001350 *19*; α(P)=7.83×10^{-6} *11*
[x]172.2 *1*	1.2 *1*								
[x]176.0 *1*	1.2 *1*								
176.5 *1*	1.1 *1*	1086.59	1$^+$	910.11	1$^+$,2$^+$,3$^+$	[M1,E2]		0.9 *4*	α(K)=0.6 *4*; α(L)=0.19 *3*; α(M)=0.048 *10*; α(N+..)=0.014 *3* α(N)=0.0116 *23*; α(O)=0.0019 *3*; α(P)=7.E−5 *5*
182.7 *1*	7.4 *7*	1086.59	1$^+$	903.84	1$^+$	M1		1.105	α(K)=0.912 *13*; α(L)=0.1487 *21*; α(M)=0.0342 *5*; α(N+..)=0.01002 *15* α(N)=0.00842 *12*; α(O)=0.001491 *21*; α(P)=0.0001124 *16* Mult.: α(K)exp(182.7+183.2)=0.9 (1988Be16).
183.2 *1*	2.7 *3*	478.73	(1)$^+$	295.55	(2,3,4)$^+$	M1(+E2)		0.8 *4*	α(K)=0.6 *4*; α(L)=0.170 *23*; α(M)=0.041 *8*; α(N+..)=0.0118 *19* α(N)=0.0101 *18*; α(O)=0.00166 *18*; α(P)=7.E−5 *5* Mult.: α(K)exp(182.7+183.2)=0.9 (1988Be16). However, 1970FiZZ report α(K)exp=5.0 *15* for Eγ=182.9 *4*.
192.0 *1*	100 *10*	262.70	3$^-$	70.73	4$^-$	M1(+E2)	<0.6	0.89 *8*	α(K)=0.71 *8*; α(L)=0.133 *5*; α(M)=0.0311 *15*; α(N+..)=0.0090 *4* α(N)=0.0076 *4*; α(O)=0.00132 *4*; α(P)=8.7×10^{-5} *11* Mult.: α(K)exp=0.8 (1988Be16), 0.8 *2* (1970FiZZ).
[x]203.5 *1*	0.5 *1*								
206.9[b] *1*	1.4[b] *1*	432.48	(2)$^+$	225.63	3$^+$	[M1,E2]		0.54 *24*	α(K)=0.40 *25*; α(L)=0.110 *6*; α(M)=0.027 *3*; α(N+..)=0.0076 *6* α(N)=0.0065 *6*; α(O)=0.00108 *3*; α(P)=5.E−5 *4*
206.9[bd] *1*	1.4[b] *1*	639.02	(3)$^+$	432.48	(2)$^+$	[M1,E2]		0.54 *24*	α(K)=0.40 *25*; α(L)=0.110 *6*; α(M)=0.027 *3*; α(N+..)=0.0076 *6* α(N)=0.0065 *6*; α(O)=0.00108 *3*; α(P)=5.E−5 *4*
209.3 *1*	6.0 *6*	1065.26	1$^+$	855.94	(2)$^+$	M1		0.756	α(K)=0.624 *9*; α(L)=0.1016 *15*; α(M)=0.0234 *4*; α(N+..)=0.00684 *10* α(N)=0.00575 *8*; α(O)=0.001018 *15*; α(P)=7.68×10^{-5} *11* Mult.: α(K)exp=0.8 (1988Be16).
[x]210.6 *1*	0.8 *1*								
211.7 *1*	4.5 *5*	554.46	2$^+$	342.70	1$^+$	[M1+E2]		0.51 *23*	α(K)=0.38 *23*; α(L)=0.101 *4*; α(M)=0.0245 *20*; α(N+..)=0.0070 *5* α(N)=0.0060 *5*; α(O)=0.000995 *17*; α(P)=4.E−5 *3*
[x]212.5 *1*	0.4 *1*								
216.2 *1*	10 *1*	509.45	1$^+$,2$^+$	293.27	2$^+$	M1(+E2)	<0.3	0.674 *20*	α(K)=0.553 *20*; α(L)=0.0929 *14*; α(M)=0.0215 *4*; α(N+..)=0.00627 *10* α(N)=0.00528 *8*; α(O)=0.000930 *13*; α(P)=6.8×10^{-5} *3* Mult.: α(K)exp=0.7 (1988Be16).
216.9 *1*	9.1 *9*	855.94	(2)$^+$	639.02	(3)$^+$	M1(+E2)	<0.6	0.63 *6*	α(K)=0.51 *6*; α(L)=0.0923 *14*; α(M)=0.0215 *5*; α(N+..)=0.00626 *12* α(N)=0.00528 *11*; α(O)=0.000920 *13*; α(P)=6.2×10^{-5} *8* Mult.: α(K)exp=0.6 (1988Be16).

γ(^{184}Ir) (continued)

Eγ[‡]	Iγ[#&]	Ei(level)	J^π_i	Ef	J^π_f	Mult.[†]	δ[†]	α[a]	Comments
225.8[cd] *1*	8.0[c] *8*	225.63	3+	0.0	5−	M2		2.85	α(K)=2.16 *3*; α(L)=0.529 *8*; α(M)=0.1286 *19*; α(N+..)=0.0378 *6* α(N)=0.0319 *5*; α(O)=0.00556 *8*; α(P)=0.000379 *6* %Iγ=2.12 *29* assuming recommended decay scheme normalization. Mult.: α(K)exp=2.3 (1988Be16).
225.8[c] *1*	0.7[c] *1*	519.38	(3)+	293.27	2+	[M1+E2]		0.42 *20*	α(K)=0.32 *19*; α(L)=0.0812 *16*; α(M)=0.0196 *8*; α(N+..)=0.00561 *11* α(N)=0.00478 *15*; α(O)=0.00080 *3*; α(P)=3.7×10^{-5} *25*
230.7 *1*	8.3 *8*	1086.59	1+	855.94	(2)+	M1(+E2)	<0.2	0.570 *11*	α(K)=0.470 *10*; α(L)=0.0773 *11*; α(M)=0.0178 *3*; α(N+..)=0.00522 *8* α(N)=0.00438 *7*; α(O)=0.000775 *11*; α(P)=5.77×10^{-5} *12* Mult.: α(K)exp=0.6 (1988Be16).
237.3 *1*	1.2 *1*	499.93	1−	262.70	3−	[E2]		0.196	α(K)=0.1094 *16*; α(L)=0.0655 *10*; α(M)=0.01651 *24*; α(N+..)=0.00465 *7* α(N)=0.00401 *6*; α(O)=0.000631 *9*; α(P)=1.133×10^{-5} *16*
x240.7 *1*	1.0 *1*								
x242.9 *1*	0.5 *1*								
x244.6 *1*	0.6 *1*								
x247.1 *1*	1.7 *2*								
251.3 *1*	3.7 *4*	855.94	(2)+	604.70	(3,4)+	[M1,E2]		0.31 *15*	α(K)=0.24 *15*; α(L)=0.057 *5*; α(M)=0.0136 *6*; α(N+..)=0.00390 *22* α(N)=0.00332 *15*; α(O)=0.00056 *6*; α(P)=2.8×10^{-5} *19*
x253.4 *1*	1.3 *1*								
256.7 *1*	0.9 *1*	519.38	(3)+	262.70	3−	[E1]		0.0368	α(K)=0.0304 *5*; α(L)=0.00491 *7*; α(M)=0.001127 *16*; α(N+..)=0.000324 *5* α(N)=0.000274 *4*; α(O)=4.70×10^{-5} *7*; α(P)=2.96×10^{-6} *5*
261.3 *1*	3.0 *3*	554.46	2+	293.27	2+	[M1+E2]		0.28 *14*	α(K)=0.21 *13*; α(L)=0.050 *6*; α(M)=0.0119 *8*; α(N+..)=0.0034 *3* α(N)=0.00291 *20*; α(O)=0.00049 *6*; α(P)=2.5×10^{-5} *17*
x262.0 *1*	3.0 *3*								
x264.8 *1*	1.9 *2*								
x268.8 *1*	1.4 *1*								
x270.3 *1*	2.2 *2*								
x271.9 *1*	1.5 *2*								
x274.8 *1*	1.0 *1*								
x276.1 *1*	1.2 *1*								
278.3 *1*	4.1 *4*	621.02	(0,1)	342.70	1+	[M1+E2]		0.23 *12*	α(K)=0.18 *11*; α(L)=0.041 *6*; α(M)=0.0097 *10*; α(N+..)=0.0028 *4* α(N)=0.00237 *25*; α(O)=0.00040 *7*; α(P)=2.1×10^{-5} *14*
279.4 *1*	1.3 *1*	942.62	(0+,1+,2+)	663.20	(2,3)+	[M1,E2]		0.23 *12*	α(K)=0.18 *11*; α(L)=0.040 *6*; α(M)=0.0096 *10*; α(N+..)=0.0028 *4* α(N)=0.00234 *25*; α(O)=0.00040 *7*; α(P)=2.1×10^{-5} *14*
x283.7 *1*	0.8 *1*								
x284.9 *1*	0.5 *1*								
287.8 *1*	1.9 *2*	792.59		504.79	1−,2−				
x293.8 *1*	1.0 *1*								
x297.0 *1*	0.7 *1*								
x303.9 *3*	1.1 *1*								

From ENSDF

γ(^{184}Ir) (continued)

Eγ[‡]	Iγ[#&]	Ei(level)	J^{π}_{i}	Ef	J^{π}_{f}	Mult.[†]	δ[†]	α[a]	Comments
x305.2 3	0.6 1								
309.1 3	2.1 2	604.70	(3,4)$^+$	295.55	(2,3,4)$^+$	M1+E2	2.0 +11−5	0.121 19	α(K)=0.087 18; α(L)=0.0258 13; α(M)=0.00627 25; α(N+..)=0.00179 8 α(N)=0.00153 7; α(O)=0.000252 14; α(P)=1.00×10^{-5} 22 Mult.: α(K)exp=0.09 (1988Be16).
314.8 3	3.3 3	814.81	≤3	499.93	1$^-$				α(K)=0.0187 3; α(L)=0.00296 5; α(M)=0.000679 10; α(N+..)=0.000196 3 α(N)=0.0001656 24; α(O)=2.86×10^{-5} 4; α(P)=1.86×10^{-6} 3 Mult.: α(K)exp<0.06 (1988Be16); consistent with E1 and E2.
320.4 3	1.9 2	663.20	(2,3)$^+$	342.70	1$^+$	[M1,E2]		0.16 8	α(K)=0.12 8; α(L)=0.026 6; α(M)=0.0062 11; α(N+..)=0.0018 4 α(N)=0.0015 3; α(O)=0.00026 6; α(P)=1.5×10^{-5} 10
x326.3 3	0.7 1					M1(+E2)	<0.5	0.209 16	α(K)=0.172 14; α(L)=0.0288 12; α(M)=0.00665 23; α(N+..)=0.00194 7 α(N)=0.00163 6; α(O)=0.000288 12; α(P)=2.09×10^{-5} 18 Mult.: α(K)exp=0.2 (1988Be16).
328.7 3	4.2 4	554.46	2$^+$	225.63	3$^+$	M1(+E2)	<0.5	0.205 15	α(K)=0.168 14; α(L)=0.0282 12; α(M)=0.00652 23; α(N+..)=0.00190 7 α(N)=0.00160 6; α(O)=0.000282 12; α(P)=2.05×10^{-5} 18 Mult.: α(K)exp=0.2 (1988Be16).
336.4 3	3.7 4	855.94	(2)$^+$	519.38	(3)$^+$	M1(+E2)	<0.4	0.197 10	α(K)=0.162 9; α(L)=0.0267 8; α(M)=0.00617 17; α(N+..)=0.00180 5 α(N)=0.00152 5; α(O)=0.000268 9; α(P)=1.97×10^{-5} 12 Mult.: α(K)exp=0.2 (1988Be16).
x341.9 3	0.6 1					M1(+E2)	<0.8	0.17 3	α(K)=0.140 24; α(L)=0.0243 20; α(M)=0.0056 4; α(N+..)=0.00165 13 α(N)=0.00139 10; α(O)=0.000243 21; α(P)=1.7×10^{-5} 3 Mult.: α(K)exp=0.15 (1988Be16).
343.4 3	1.1 1	639.02	(3)$^+$	295.55	(2,3,4)$^+$	M1+E2	1.5 +7−4	0.104 19	α(K)=0.079 18; α(L)=0.0191 15; α(M)=0.0046 3; α(N+..)=0.00132 10 α(N)=0.00112 8; α(O)=0.000188 16; α(P)=9.3×10^{-6} 22 Mult.: α(K)exp=0.08 (1988Be16).
355.8 3	2.0 2	910.11	1$^+$,2$^+$,3$^+$	554.46	2$^+$	M1+E2	1.6 +8−4	0.091 16	α(K)=0.069 15; α(L)=0.0168 13; α(M)=0.0040 3; α(N+..)=0.00116 8 α(N)=0.00099 7; α(O)=0.000165 14; α(P)=8.1×10^{-6} 18 Mult.: α(K)exp=0.07 (1988Be16).
364.5 3	2.2 2	874.04	(0,1)$^+$	509.45	1$^+$,2$^+$	M1,E2		0.11 6	α(K)=0.09 5; α(L)=0.018 5; α(M)=0.0041 10; α(N+..)=0.0012 3 α(N)=0.00101 24; α(O)=0.00017 5; α(P)=1.0×10^{-5} 7 Mult.: α(K)exp(364.5+366.4)=0.06 (1988Be16).
x366.4 3	2.5 3					M1,E2		0.11 6	α(K)=0.09 5; α(L)=0.017 5; α(M)=0.0041 10; α(N+..)=0.0012 3 α(N)=0.00100 24; α(O)=0.00017 5; α(P)=1.0×10^{-5} 7 Mult.: α(K)exp(364.5+366.4)=0.06 (1988Be16). Eγ consistent with placement between 660 and 293 levels.

$^{184}_{77}$Ir$_{107}$-8

γ(^{184}Ir) (continued)

E_γ[‡]	I_γ[#&]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	δ[†]	α[a]	Comments
371.0 *3*	0.5 *1*	855.94	(2)$^+$	484.88	1$^+$	[M1+E2]		0.11 *6*	α(K)=0.08 *5*; α(L)=0.017 *5*; α(M)=0.0039 *10*; α(N+..)=0.0011 *3* α(N)=0.00096 *23*; α(O)=0.00016 *5*; α(P)=1.0×10^{-5} *6*
377.4 *3*	0.7 *1*	855.94	(2)$^+$	478.73	(1)$^+$	[M1+E2]		0.10 *6*	α(K)=0.08 *5*; α(L)=0.016 *5*; α(M)=0.0037 *9*; α(N+..)=0.0011 *3* α(N)=0.00091 *23*; α(O)=0.00016 *5*; α(P)=1.0×10^{-5} *6*
^{x}379.1 *3*	1.6 *2*								
384.6 *3*	1.1 *1*	903.84	1$^+$	519.38	(3)$^+$	[E2]		0.0468	α(K)=0.0325 *5*; α(L)=0.01081 *16*; α(M)=0.00265 *4*; α(N+..)=0.000754 *11* α(N)=0.000646 *10*; α(O)=0.0001051 *15*; α(P)=3.60×10^{-6} *5*
394.3 *3*	19 *2*	903.84	1$^+$	509.45	1$^+$,2$^+$	M1		0.1347	α(K)=0.1115 *16*; α(L)=0.0179 *3*; α(M)=0.00411 *6*; α(N+..)=0.001202 *17* α(N)=0.001009 *15*; α(O)=0.000179 *3*; α(P)=1.357×10^{-5} *20* Mult.: α(K)exp=0.15 (1988Be16).
398.9 *3*	3.5 *4*	903.84	1$^+$	504.79	1$^-$,2$^-$	E1		0.01306	α(K)=0.01087 *16*; α(L)=0.001690 *24*; α(M)=0.000386 *6*; α(N+..)=0.0001118 *16* α(N)=9.43×10^{-5} *14*; α(O)=1.636×10^{-5} *23*; α(P)=1.105×10^{-6} *16* Mult.: α(K)exp<0.04 (1988Be16); E2 possible but eliminated by the decay scheme.
401.8 *3*	0.9 *1*	639.02	(3)$^+$	237.16	$^+$				
408.3 *3*	1.4 *1*	1223.1		814.81	≤3				
415.5 *3*	4.1 *4*	924.98	1$^+$	509.45	1$^+$,2$^+$	M1(+E2)		0.08 *4*	α(K)=0.06 *4*; α(L)=0.012 *4*; α(M)=0.0028 *8*; α(N+..)=0.00081 *24* α(N)=0.00069 *19*; α(O)=0.00012 *4*; α(P)=7.E−6 *5* Mult.: α(K)exp(415.5+416.6)=0.08 (1988Be16).
^{x}416.6 *3*	1.4 *1*					M1,E2		0.08 *4*	α(K)=0.06 *4*; α(L)=0.012 *4*; α(M)=0.0028 *8*; α(N+..)=0.00081 *24* α(N)=0.00068 *19*; α(O)=0.00012 *4*; α(P)=7.E−6 *5* Mult.: α(K)exp(415.5+416.6)=0.08 (1988Be16).
^{x}423.3 *3*	1.3 *1*								
437.5 *3*	1.3 *1*	663.20	(2,3)$^+$	225.63	3$^+$	M1(+E2)		0.07 *4*	α(K)=0.05 *3*; α(L)=0.010 *4*; α(M)=0.0024 *7*; α(N+..)=0.00070 *21* α(N)=0.00059 *18*; α(O)=0.00010 *4*; α(P)=6.E−6 *4* Mult.: α(K)exp(437.5+438.1)=0.07 (1988Be16).
^{x}438.1 *3*	1.2 *1*					M1(+E2)		0.07 *4*	α(K)=0.05 *3*; α(L)=0.010 *4*; α(M)=0.0024 *7*; α(N+..)=0.00070 *21* α(N)=0.00059 *18*; α(O)=0.00010 *4*; α(P)=6.E−6 *4* Mult.: α(K)exp(437.5+438.1)=0.07 (1988Be16).
448.8 *3*	1.9 *2*	519.38	(3)$^+$	70.73	4$^-$				
^{x}457.1 *3*	0.6 *1*								
^{x}460.3 *3*	0.9 *1*								
^{x}463.7 *3*	0.6 *1*								
^{x}467.8 *1*	1.5 *2*								
471.3 *3*	6.0 *6*	903.84	1$^+$	432.48	(2)$^+$	M1(+E2)	<0.7	0.075 *10*	α(K)=0.061 *9*; α(L)=0.0102 *10*; α(M)=0.00235 *20*; α(N+..)=0.00069 *6* α(N)=0.00058 *5*; α(O)=0.000102 *10*; α(P)=7.4×10^{-6} *11* Mult.: α(K)exp=0.07 (1988Be16).
475.6 *3*	3.7 *4*	903.84	1$^+$	428.24	1$^+$	M1+E2	0.8 +*4*−*3*	0.060 *11*	α(K)=0.049 *10*; α(L)=0.0087 *11*; α(M)=0.00203 *24*; α(N+..)=0.00059 *8*

From ENSDF

γ(^{184}Ir) (continued)

Eγ[‡]	Iγ[#&]	Ei(level)	J^π_i	E_f	J^π_f	Mult.[†]	δ[†]	α[a]	Comments
									α(N)=0.00050 *6*; α(O)=8.7×10^{-5} *12*; α(P)=5.9×10^{-6} *12* Mult.: α(K)exp=0.05 (1988Be16).
480.9 *3*	1.3 *1*	499.27	(4)$^+$	18.4?	(3$^-$,4$^-$,5$^-$)	E1		0.00865 *13*	α(K)=0.00722 *11*; α(L)=0.001106 *16*; α(M)=0.000252 *4*; α(N+..)=7.32×10^{-5} *11* α(N)=6.17×10^{-5} *9*; α(O)=1.074×10^{-5} *16*; α(P)=7.44×10^{-7} *11* Mult.: α(K)exp<0.015 (1988Be16).
487.7 *3*	1.1 *1*	499.27	(4)$^+$	11.6?					
496.9 *3*	1.4 *1*	924.98	1$^+$	428.24	1$^+$	M1+E2	1.0 *+5−4*	0.049 *12*	α(K)=0.039 *10*; α(L)=0.0072 *12*; α(M)=0.0017 *3*; α(N+..)=0.00049 *8* α(N)=0.00041 *7*; α(O)=7.1×10^{-5} *12*; α(P)=4.7×10^{-6} *13* Mult.: α(K)exp=0.04 (1988Be16).
499.4 *3*	5.6 *6*	499.27	(4)$^+$	0.0	5$^-$	E1		0.00798 *12*	α(K)=0.00666 *10*; α(L)=0.001017 *15*; α(M)=0.000232 *4*; α(N+..)=6.73×10^{-5} *10* α(N)=5.67×10^{-5} *8*; α(O)=9.89×10^{-6} *14*; α(P)=6.88×10^{-7} *10* Mult.: α(K)exp=0.006 (1988Be16).
531.4 *3*	1.6 *2*	874.04	(0,1)$^+$	342.70	1$^+$				
532.3 *3*	4.4 *4*	1086.59	1$^+$	554.46	2$^+$	M1(+E2)		0.041 *21*	α(K)=0.033 *18*; α(L)=0.0059 *21*; α(M)=0.0014 *5*; α(N+..)=0.00040 *14* α(N)=0.00034 *12*; α(O)=5.9×10^{-5} *22*; α(P)=3.9×10^{-6} *22* Mult.: α(K)exp(531.4+532.3)=0.05 (1988Be16).
^{x}541.9 *3*	0.9 *1*								
548.3 *3*	87 *9*	903.84	1$^+$	355.47	2$^-$	E1		0.00655 *10*	α(K)=0.00548 *8*; α(L)=0.000830 *12*; α(M)=0.000189 *3*; α(N+..)=5.49×10^{-5} *8* α(N)=4.63×10^{-5} *7*; α(O)=8.08×10^{-6} *12*; α(P)=5.68×10^{-7} *8* Mult.: α(K)exp=0.005 (1988Be16), 0.005 *2* (1970FiZZ)..
568.4 *3*	0.8 *1*	639.02	(3)$^+$	70.73	4$^-$	[E1]		0.00608 *9*	α(K)=0.00509 *8*; α(L)=0.000769 *11*; α(M)=0.0001752 *25*; α(N+..)=5.08×10^{-5} *8* α(N)=4.28×10^{-5} *6*; α(O)=7.49×10^{-6} *11*; α(P)=5.29×10^{-7} *8*
569.4 *3*	1.5 *2*	1362.0		792.59					
580.8 *3*	2.1 *2*	874.04	(0,1)$^+$	293.27	2$^+$	M1,E2		0.033 *16*	α(K)=0.027 *14*; α(L)=0.0047 *17*; α(M)=0.0011 *4*; α(N+..)=0.00032 *12* α(N)=0.00027 *10*; α(O)=4.7×10^{-5} *18*; α(P)=3.2×10^{-6} *18* Mult.: α(K)exp(580.8+582.1)=0.02 (1988Be16).
582.1 *3*	0.7 *1*	1086.59	1$^+$	504.79	1$^-$,2$^-$	[E1]		0.00579 *9*	α(K)=0.00484 *7*; α(L)=0.000731 *11*; α(M)=0.0001665 *24*; α(N+..)=4.83×10^{-5} *7* α(N)=4.07×10^{-5} *6*; α(O)=7.12×10^{-6} *10*; α(P)=5.04×10^{-7} *7*
^{x}586.8 *3*	0.8 *1*								
610.5 *3*	13 *1*	903.84	1$^+$	293.27	2$^+$	M1+E2	1.4 *+7−4*	0.024 *5*	α(K)=0.020 *4*; α(L)=0.0036 *5*; α(M)=0.00084 *11*; α(N+..)=0.00024 *4* α(N)=0.00021 *3*; α(O)=3.6×10^{-5} *5*; α(P)=2.3×10^{-6} *5* Mult.: α(K)exp=0.02 (1988Be16).
^{x}612.8 *3*	1.1 *1*								

γ(^{184}Ir) (continued)

E_γ[‡]	I_γ[#&]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[†]	α[a]	Comments
631.6 *3*	3.8 *4*	924.98	1$^+$	293.27	2$^+$	M1,E2	0.026 *13*	α(K)=0.022 *11*; α(L)=0.0037 *14*; α(M)=0.0009 *3*; α(N+..)=0.00025 *10* α(N)=0.00021 *8*; α(O)=3.7×10^{-5} *15*; α(P)=2.6×10^{-6} *14* Mult.: α(K)exp(631.6+632.6)≈0.02 (1988Be16).
632.6 *3*	3.4 *3*	1065.26	1$^+$	432.48	(2)$^+$	M1,E2	0.026 *13*	α(K)=0.021 *11*; α(L)=0.0037 *14*; α(M)=0.0009 *3*; α(N+..)=0.00025 *10* α(N)=0.00021 *8*; α(O)=3.7×10^{-5} *14*; α(P)=2.6×10^{-6} *14* Mult.: α(K)exp(631.6+632.6)≈0.02 (1988Be16).
636.9 *3*	0.9 *1*	1065.26	1$^+$	428.24	1$^+$			
^{x}653.9 *3*	0.8 *1*							
^{x}707.8 *3*	1.1 *1*					M1	0.0292	α(K)=0.0243 *4*; α(L)=0.00381 *6*; α(M)=0.000875 *13*; α(N+..)=0.000256 *4* α(N)=0.000215 *3*; α(O)=3.82×10^{-5} *6*; α(P)=2.92×10^{-6} *4* Mult.: α(K)exp=0.04 (1988Be16).
709.8 *3*	8 *1*	1065.26	1$^+$	355.47	2$^-$	E1	0.00388 *6*	α(K)=0.00326 *5*; α(L)=0.000485 *7*; α(M)=0.0001103 *16*; α(N+..)=3.20×10^{-5} *5* α(N)=2.70×10^{-5} *4*; α(O)=4.73×10^{-6} *7*; α(P)=3.42×10^{-7} *5* Mult.: α(K)exp<0.006 (1988Be16).
731.2 *3*	48 *5*	1086.59	1$^+$	355.47	2$^-$	E1	0.00367 *6*	α=0.00367 *6*; α(K)=0.00307 *5*; α(L)=0.000456 *7*; α(M)=0.0001038 *15*; α(N+..)=3.02×10^{-5} *5* α(N)=2.54×10^{-5} *4*; α(O)=4.46×10^{-6} *7*; α(P)=3.23×10^{-7} *5* Mult.: α(K)exp=0.003 (1988Be16).
^{x}740.5 *3*	1.2 *1*							
810.6 *3*	1.5 *2*	1166.1	(≤3)	355.47	2$^-$			
^{x}823.3 *3*	1.0 *1*							

[†] From ce data (1988Be16), assuming 50% uncertainty in approximate values and 20% uncertainty in all other values. For unresolved conversion electron intensities, some multipolarities could be assigned by comparing multiplet ce intensities with the resolved γ intensities.

[‡] From 1988Be16. Uncertainty <0.1 keV below 300 keV and <0.3 keV above 300 keV.

[#] From 1988Be16. Uncertainty≈10%. For weak transitions, the evaluator has limited the minimum uncertainty to 0.1 units on the relative intensity scale.

[@] Calculated by the evaluator from the intensity balance.

[&] For absolute intensity per 100 decays, multiply by 0.266 *26*.

[a] 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.

[b] Multiply placed with undivided intensity.

[c] Multiply placed with intensity suitably divided.

[d] Placement of transition in the level scheme is uncertain.

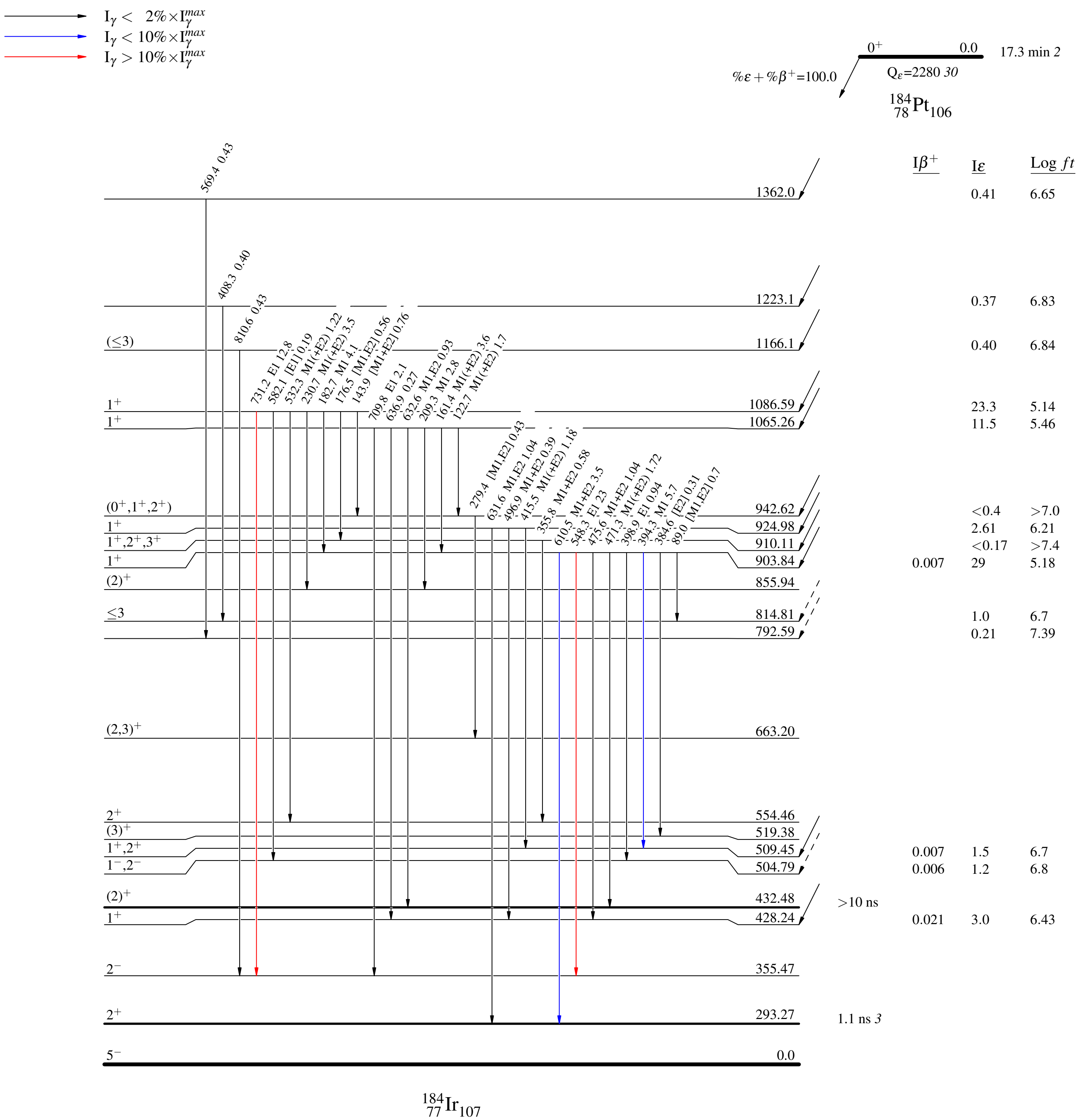
[x] γ ray not placed in level scheme.

$^{184}_{77}Ir_{107}$-11

^{184}Pt ε decay 1988Be16,1996Om01

Decay Scheme

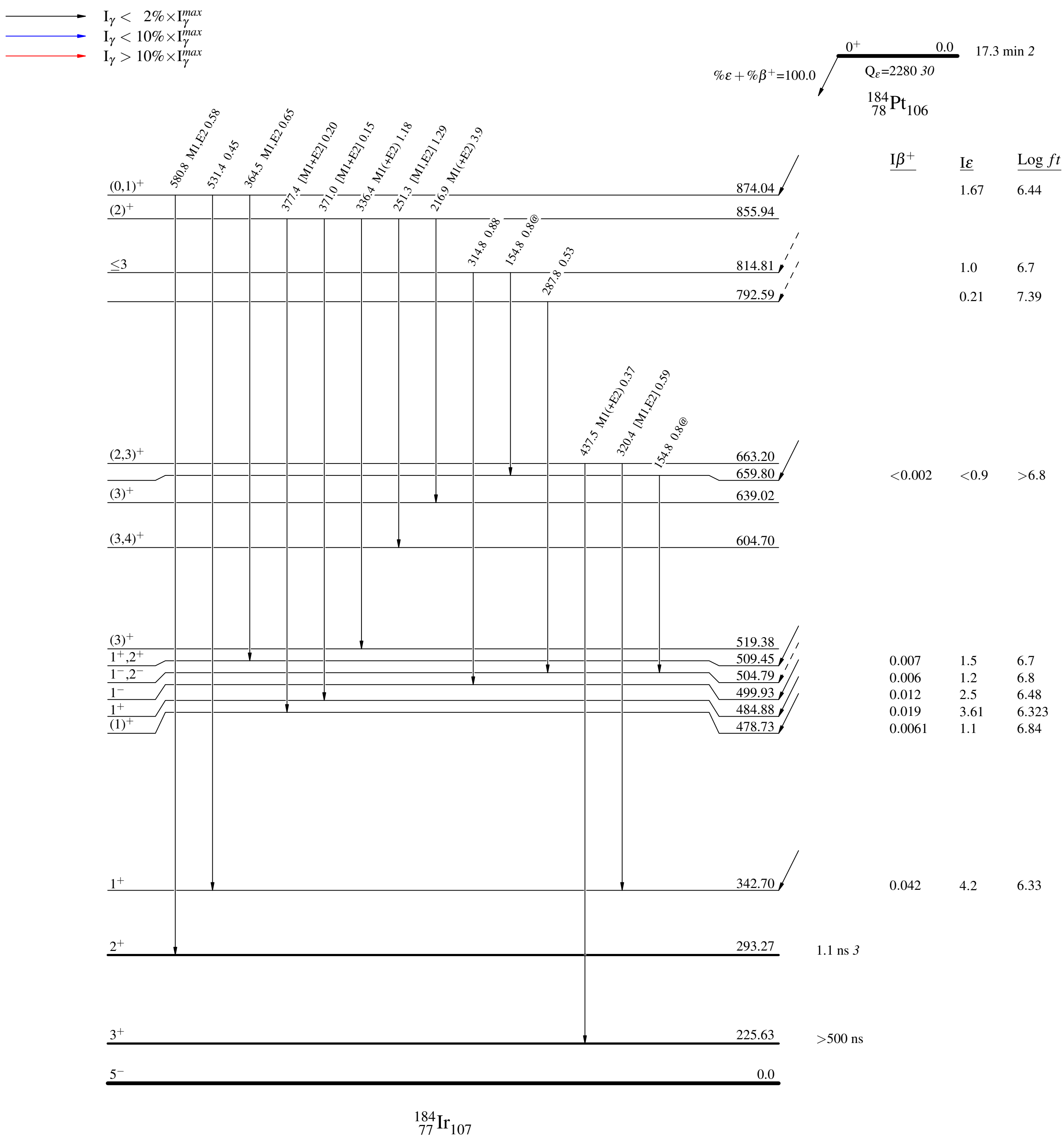
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



^{184}Pt ε decay 1988Be16,1996Om01

Decay Scheme (continued)

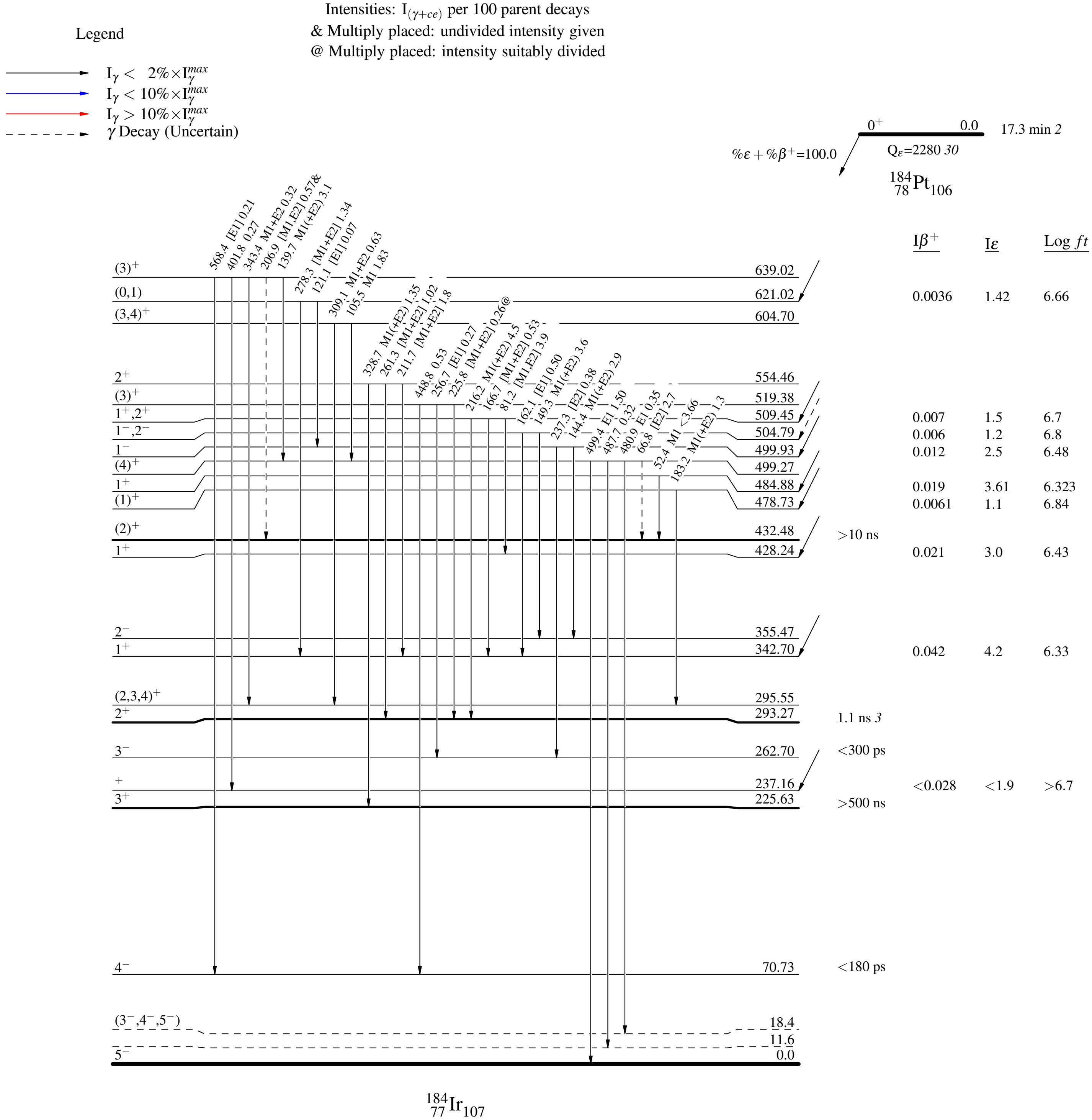
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



^{184}Pt ε decay 1988Be16,1996Om01

Decay Scheme (continued)

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



^{184}Pt ε decay 1988Be16,1996Om01

Decay Scheme (continued)

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