^{195}Pt(n,γ) E=thermal 1979Ci04

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Huang Xiaolong	NDS 108, 1093 (2007)	1-Jan-2006

Target J$^{\pi}$=1/2^{-} (g.s.).

Natural Pt and 97.28% enriched ^{195}Pt. Measured Eγ, Iγ, and γ-γ coin. Ge(Li), bent-crystal spectrometers and NaI(Tl) detectors,Ge(Li) three-crystal pair spectrometer.

The level scheme was constructed on the basis of the energy fit and $\gamma\gamma$-coincidence measurements. All data are from 1979Ci04, except where noted.

Others: 1982Ka28, 1981Mc05, 1978Ci02, 1971Wa24, 1970Or05, 1969Gr41, 1968Sa13, 1968Gr21.

1990Bo29: γ ray induced Doppler broadening technique with ultrahigh resolution spectroscopy. Measured absolute transition rates.

1982Ka28 give data for E0 transitions based on ce measurement.

^{196}Pt Levels

E(p),J(P) These levels have not been adopted. They have been reported only in 1970Or05.

E(level)†	J$^{\pi}$‡#	T$_{1/2}$	Comments
0.0	0$^+$	stable	
355.6843 *20*	2$^+$		
688.672 *3*	2$^+$		
876.854 *4*	4$^+$	3.55 ps *5*	T$_{1/2}$: From adopted level. Other: T$_{1/2}$>0.7 ps for lower limit;<2.6 ps for upper limit (1990Bo29).
1015.028 *4*	3$^+$		J$^{\pi}$: due to the nonpopulation of this level In 2-keV capture.
1135.293 *4*	0$^+$	6 ps *3*	T$_{1/2}$: From adopted level. Other: T$_{1/2}$>2.6 ps for lower limit;<3.1 ps for upper limit (1990Bo29).
1270.200 *6*	5$^-$		
1293.293 *6*	4$^+$		
1361.568 *4*	2$^+$		
1402.719 *11*	0$^+$	1.6 ps *3*	T$_{1/2}$: From Adopted Levels. Other: T$_{1/2}$>1.29 ps for lower limit;<1.9 ps for upper limit (1990Bo29).
1447.029 *6*	3$^-$		
1604.485 *11*	2$^+$		
1677.242 *12*	2$^+$		
1754.642 *9*	3$^-$,4$^+$		
1795.08 *6*	2$^+$,(1$^-$)		
1802.284 *9*	1$^+$,2$^+$		
1823.21 *8*	0$^+$		
1825.698 *7*	2$^+$		
1847.343 *18*	2$^+$		
1853.643 *12*	2$^+$		
1888.123 *13*	1$^+$,2$^+$	1.3 ps *+8−6*	T$_{1/2}$: from τ=1.8 ps *+11−9* for 1888γ (1990Bo29).
1918.54 *4*	0$^+$		
1932.00 *11*	0$^+$,1$^+$,2$^+$		
1968.897 *13*	1$^+$,(2$^+$)		
1984.91 *5*	1$^+$,2$^+$		
1988.204 *9*	1$^+$,2$^+$		
1999.05 *16*	2$^+$		
2013.86 *3*	2$^+$		
2046.97 *6*	2$^+$		
2069.33 *20*	0$^+$,1$^+$,2$^+$		
2087.313 *21*	3$^-$,4$^+$		
2092.6 *7*	(2$^+$)		
2124.376 *22*	3$^-$,4$^+$		
2126.925 *15*	2$^+$		

Continued on next page (footnotes at end of table)

^{195}Pt(n,γ) E=thermal 1979Ci04 (continued)

^{196}Pt Levels (continued)

E(level)†	J$^{\pi}$‡#	E(level)†	J$^{\pi}$‡#	$T_{1/2}$
2162.68 *8*	2$^+$	2527.83 *4*	1$^+$,2$^+$	
2174.42 *12*	0$^+$,2$^+$	2529.2 *3*	2$^+$	
2183.5 *3*	1$^+$,2$^+$	2554.7 *13*	0$^+$,2$^+$	
2199.43 *5*	0$^+$	2614.8 *7*	0$^+$,1$^+$,2$^+$	
2204.415 *12*	1$^+$,2$^+$	2661.2 *8*	0$^+$,1$^+$,2$^+$	
2229.6 *3*	2$^+$	2667.233 *23*	1$^+$,2$^+$	0.14@ ps *+2−1*
2245.542 *13*	1$^+$,2$^+$	2737.5 *10*	(1)$^+$	
2262.419 *16*	2$^+$	2749.0 *10*	(2)$^+$	
2309.22 *4*	(2$^+$)	2823.6 *10*	(1)$^+$	
2324.208 *22*	1$^+$,2$^+$	2861.5 *10*	(1,2)$^+$	
2345.28 *25*	1$^+$,2$^+$	2875.8 *10*	(1,2)$^+$	
2365.967 *19*	2$^+$	2927.2 *10*	(1,2)$^+$	
2375.07 *21*	1$^+$,2$^+$	2951.7 *10*	(0,1,2)$^+$	
2383.31 *6*	0$^+$,1$^+$,2$^+$	2974.8 *10*	(0,2)$^+$	
2403.64 *6*	2$^+$	3023.0 *10*	(1,2)$^+$	
2422.49 *4*	0$^+$,1$^+$,2$^+$	3040.0 *10*	(1,2)$^+$	
2443.96 *18*	2$^+$	3106.0 *10*	(0,1,2)$^+$	
2460.2 *3*	0$^+$,1$^+$,2$^+$	3130.6 *10*	(2)$^+$	
2469.88 *17*	1$^-$,2$^+$	3245.0 *10*	(0,2)$^+$	
2488.229 *24*	1$^+$,2$^+$	7922.50& *12*	(0$^-$,1$^-$)	
2505.10 *5*	2$^+$			

† From least-squares fit to Eγ′s.

‡ Capture by s-wave neutrons In ^{195}Pt can lead to a J$^{\pi}$=0$^-$, 1$^-$ level. E1 deexcitation from a 1$^-$ level can populate 0$^+$, 1$^+$, 2$^+$ levels; E1 deexcitation from a 0$^-$ level will primarily populate 1$^+$ levels.

From the Adopted Levels, except as indicated.

@ From τ=0.20 ps *+3−2* for 1979γ (1990Bo29).

& Neutron-capture state.

$\gamma(^{196}$Pt)

E_γ[†]	I_γ[‡]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	α[h]	Comments
138.178 *4*	1.1 *3*	1015.028	3^+	876.854	4^+			
176.830 *3*	2.6 *7*	1447.029	3^-	1270.200	5^-			
[x]191.164 *6*	0.9 *3*							
[x]192.903 *10*	0.8 *2*							
201.769 *6*	0.7 *2*	1604.485	2^+	1402.719	0^+	(E2)	0.353	α(K)=0.167; α(L)=0.139; α(M)=0.0354; α(N+..)=0.0108 ce(K)=15 *3*; ce(L)=11 *3*; K/L=1.4 *5*
[x]208.733 *2*	4.8 *15*							
[x]209.642 *6*	1.2 *4*							
225.810 *18*	0.7 *3*	2488.229	$1^+,2^+$	2262.419	2^+			
226.270 *3*	1.3 *3*	1361.568	2^+	1135.293	0^+			
242.858 *17*	0.26 *12*	1847.343	2^+	1604.485	2^+			
[x]243.119 *18*	0.20 *10*							
245.655[k] *5*	0.5 *2*	2092.6	(2^+)	1847.343	2^+			
[x]276.376 *21*	0.28 *10*							
[x]283.09 *4*	0.19 *10*							
[x]290.54 *5*	0.22 *10*							
[x]291.620 *7*	0.8 *4*							
293.522 *10*	0.8 *3*	2262.419	2^+	1968.897	$1^+,(2^+)$			
307.616 *9*	1.6 *3*	1754.642	$3^-,4^+$	1447.029	3^-			
[x]310.588 *8*	0.4 *2*							
315.58 *8*	0.5 *2*	1677.242	2^+	1361.568	2^+			
316.27[k] *3*	0.9 *5*	2204.415	$1^+,2^+$	1888.123	$1^+,2^+$			
326.349 *4*	85 *7*	1015.028	3^+	688.672	2^+	E2	0.0778	α(K)=0.0500; α(L)=0.0210; α(M)=0.00521; α(N+..)=0.00160 ce(K)=81 *12*; ce(L)=30 *8*; K/L=2.7 *8*
332.983 *2*	411 *33*	688.672	2^+	355.6843	2^+	(E0+E2+M1)		ce(K)=770 *100*; ce(L)=235 *21*; ce(M)=48 *8*; K/L=3.3 *5*; L/M=4.9 *9*; α(K)exp=0.023 *5*
[x]345.973 *7*	0.9 *2*							
346.541 *3*	6.6 *11*	1361.568	2^+	1015.028	3^+			
355.684 *2*	1000	355.6843	2^+	0.0	0^+	E2	0.0603	α(K)=0.0402 *6*; α(L)=0.01520 *22*; α(M)=0.00377 *6*; α(N+..)=0.001081 *16* ce(K)=1420 *55*; ce(L)=420 *50*; ce(M)=130 *13*; K/L=3.4 *4*; L/M=3.2 *5*
[x]357.729[@] *9*	0.7 *2*							
369.46 *5*	0.4 *2*	2383.31	$0^+,1^+,2^+$	2013.86	2^+			
[x]370.77 *5*	0.18 *13*							
372.292[k] *22*	0.20 *9*	2126.925	2^+	1754.642	$3^-,4^+$			
378.675 *14*	3.2 *4*	1825.698	2^+	1447.029	3^-			
[x]383.748 *8*	0.9 *3*							
[x]385.161 *13*	0.8 *3*							
393.346 *7*	10.3 *8*	1270.200	5^-	876.854	4^+			
402.130 *7*	1.3 *2*	2204.415	$1^+,2^+$	1802.284	$1^+,2^+$			
416.443 *6*	1.4 *4*	1293.293	4^+	876.854	4^+			

γ(^{196}Pt) (continued)

E_γ[†]	I_γ[‡]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	α[h]	Comments
[x]418.10 3	0.7 2							
418.73 3	0.7 2	2403.64	2^+	1984.91	$1^+,2^+$			
423.00 3	1.3 2	1825.698	2^+	1402.719	0^+			
423.7 3	0.6 2	2422.49	$0^+,1^+,2^+$	1999.05	2^+			
430.2[@] 3	0.60 14	2443.96	2^+	2013.86	2^+			
431.982 24	2.6 4	1447.029	3^-	1015.028	3^+			
440.709 9	0.8 4	1802.284	$1^+,2^+$	1361.568	2^+			
443.258 9	1.0 2	2245.542	$1^+,2^+$	1802.284	$1^+,2^+$			
446.613 3	15.3 11	1135.293	0^+	688.672	2^+	E2	0.0331	α(K)=0.0237; α(L)=0.00712; α(M)=0.00174; α(N+..)=0.00053 ce(K)=17 4; ce(L)=7 2; K/L=2.4 9
[x]456.425 24	0.56 12							
[x]459.69 3	0.6 4							
461.86 3	0.27 6	2309.22	(2^+)	1847.343	2^+			
464.126 9	0.60 13	1825.698	2^+	1361.568	2^+			
470.567 19	0.15 5	2324.208	$1^+,2^+$	1853.643	2^+			
484.438 11	2.2 7	1754.642	$3^-,4^+$	1270.200	5^-			
484.707 25	1.4 4	1361.568	2^+	876.854	4^+			
521.175 5	60 6	876.854	4^+	355.6843	2^+	E2	0.0226	α(K)=0.0168; α(L)=0.00440 B(E2)↓=0.38 (1985Fe03,1986Fe02) ce(K)=44 4; ce(L)=8 3; K/L=5.5 21
522.440 11	3.7 10	2126.925	2^+	1604.485	2^+			
526.58 3	0.39 11	1888.123	$1^+,2^+$	1361.568	2^+			
[x]540.33 3	1.0 2							
541.174 7	3.1 7	1988.204	$1^+,2^+$	1447.029	3^-			
541.942 20	0.7 2	1677.242	2^+	1135.293	0^+			
560.354 10	1.2 3	1853.643	2^+	1293.293	4^+			
566.174 8	3.6 9	1968.897	$1^+,(2^+)$	1402.719	0^+			
566.55[k] 4	0.8 2	2013.86	2^+	1447.029	3^-			
568.85 3	0.40 13	2422.49	$0^+,1^+,2^+$	1853.643	2^+			
570.203 18	1.4 4	1447.029	3^-	876.854	4^+			
[x]587.423 17	0.6 3							
589.434 20	0.6 3	1604.485	2^+	1015.028	3^+			
[x]590.00 9	0.6 4							
[x]594.21 3	0.7 2							
604.616 7	8.3 7	1293.293	4^+	688.672	2^+			
623.34 5	1.2 2	1984.91	$1^+,2^+$	1361.568	2^+			
626.636 18	1.2 2	1988.204	$1^+,2^+$	1361.568	2^+			
[x]632.80 6	0.43 12							
639.70 3	0.50 11	2527.83	$1^+,2^+$	1888.123	$1^+,2^+$			
641.12[k] 4	1.2 2	2245.542	$1^+,2^+$	1604.485	2^+			
645.95[k] 3	1.6 4	2092.6	(2^+)	1447.029	3^-			
659.389 12	3.7 8	1015.028	3^+	355.6843	2^+			

$^{196}_{78}$Pt$_{118}$-4

γ(^{196}Pt) (continued)

E_γ[†]	I_γ[‡]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	α[h]	Comments
662.188 16	1.9 4	1677.242	2$^+$	1015.028	3$^+$			
[x]663.95 3	1.3 2							
[x]665.988 24	1.0 5							
666.99 3	0.5 3	1802.284	1$^+$,2$^+$	1135.293	0$^+$			
672.900 7	30 2	1361.568	2$^+$	688.672	2$^+$	(M1+E2)	0.025 13	α(K)=0.020 11; α(L)=0.0035 14 ce(K)=27 2; ce(L)=8 3; α(K)exp=0.022 3; K/L=3.4 13
677.34 3	1.1 4	2124.376	3$^-$,4$^+$	1447.029	3$^-$			
689	<0.002	688.672	2$^+$	0.0	0$^+$			I_γ: from 1971Wa24.
690.403 12	2.4 4	1825.698	2$^+$	1135.293	0$^+$			
698.23 4	1.7 3	2667.233	1$^+$,2$^+$	1968.897	1$^+$,(2$^+$)			
705.65[k] 4	0.9 2	1999.05	2$^+$	1293.293	4$^+$			
715.3[i] 4	0.7[i] 2	2162.68	2$^+$	1447.029	3$^-$			Transition placed from 2469-keV level also.
715.3[i] 4	0.7[i] 2	2469.88	1$^-$,2$^+$	1754.642	3$^-$,4$^+$			Transition placed from 2162-keV level also.
726.0[i] 7	1.8[i] 4	2087.313	3$^-$,4$^+$	1361.568	2$^+$			Transition placed from 2403-keV level also.
726.0[i] 7	1.8[i] 4	2403.64	2$^+$	1677.242	2$^+$			Transition placed from 2087-keV level also.
727.581 23	7.1 14	1604.485	2$^+$	876.854	4$^+$	(E2)	0.0106	α(K)=0.00831; α(L)=0.00174 ce(K)=7 2 (1971Wa24)
748.66 6	1.0 4	2667.233	1$^+$,2$^+$	1918.54	0$^+$			
[x]750.00 4	0.7 3							
752.823 14	2.0 3	1888.123	1$^+$,2$^+$	1135.293	0$^+$			
758.358 10	6. 2	1447.029	3$^-$	688.672	2$^+$			
761.482 16	2.3 3	2365.967	2$^+$	1604.485	2$^+$			
779.630 7	39 3	1135.293	0$^+$	355.6843	2$^+$	E2	0.0092	α=0.0092; α(K)=0.00724; α(L)=0.00146 ce(K)=8 3; α(K)exp=0.017 7 I_γ: Iγ=2.9 3 for 100 n-capture events (1982Ka28). B(E2)=0.021 (1985Fe03,1986Fe02).
800.38 5	0.8 2	1677.242	2$^+$	876.854	4$^+$			
[x]813.80 5	1.1 2							
817.112 20	3.3 3	2087.313	3$^-$,4$^+$	1270.200	5$^-$			
833.58 5	5.0 5	1968.897	1$^+$,(2$^+$)	1135.293	0$^+$			
849.74[k] 9	0.7 2	1984.91	1$^+$,2$^+$	1135.293	0$^+$			
854.18 3	1.6 3	2124.376	3$^-$,4$^+$	1270.200	5$^-$			
864.72[k] 8	0.72 15	2667.233	1$^+$,2$^+$	1802.284	1$^+$,2$^+$			
877.77 3	1.9 3	1754.642	3$^-$,4$^+$	876.854	4$^+$			
915.80 6	6.5 6	1604.485	2$^+$	688.672	2$^+$			
918.81 14	1.8 2	2365.967	2$^+$	1447.029	3$^-$			
937.62 7	1.4 2	1293.293	4$^+$	355.6843	2$^+$			
947.4 6	1.2 5	2309.22	(2$^+$)	1361.568	2$^+$			
[x]955.37 13	0.60 12							
956.4 5	1.5 5	2403.64	2$^+$	1447.029	3$^-$			
[x]961.4 3	1.9 5							
969.94 12	0.8 2	1984.91	1$^+$,2$^+$	1015.028	3$^+$			

From ENSDF

γ(^{196}Pt) (continued)

E_γ[†]	I_γ[‡]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	$I_{(\gamma+ce)}$	Comments
[x]976.34 *5*	1.7 *3*							
988.54 *7*	3.1 *4*	1677.242	2^+	688.672	2^+	M1+E2+E0		α(K)exp=0.089 *11* (1982Ka28); ce(K)=0.24 *4* ce(K): Relative to Iγ(1677γ)=15 *2* from 1982Ka28. Other: ce(K)=7 *2* (1971Wa24, relative to ce(K)(356)=1420 *55*). α(K)(E2)=0.0046 \$ α(K)(M1)=0.015. Mult.: E0 violates the O(6) selection rules for both σ and τ (1982Ka28).
1005.894 *20*	24 *2*	1361.568	2^+	355.6843	2^+			
[x]1029.0 *5*	0.9 *3*							
1031.93 *8*	2.0 *4*	2046.97	2^+	1015.028	3^+			
1047.044 *20*	30 *2*	1402.719	0^+	355.6843	2^+			B(E2)↓<0.034 (1990Bo29) I_γ: Iγ=2.3 *2* for 100 n-capture events (1982Ka28). B(E2)↓: from $T_{1/2}$>1.29 ps for lower limit, B(E2)<0.023 from $T_{1/2}$>1.9 ps for upper limit (1990Bo29).
1048.3 *7*	4.0[b] *12*	2183.5	$1^+,2^+$	1135.293	0^+			
[x]1055.91 *14*	0.8 *2*							
1062.66 *6*	2.4 *5*	2667.233	$1^+,2^+$	1604.485	2^+			
1069.4 *2*	1.5 *4*	2204.415	$1^+,2^+$	1135.293	0^+			
1080.5[@] *4*	0.7 *3*	2527.83	$1^+,2^+$	1447.029	3^-			
1091.331 *17*	30[c] *2*	1447.029	3^-	355.6843	2^+			
[x]1096.0 *3*	2.4 *4*							
[x]1101.6 *2*	3.4 *4*							
1106.6 *2*	4.4 *8*	1795.08	$2^+,(1^-)$	688.672	2^+			
[x]1113.72[j] *4*	1.4[j] *7*							
1113.72[j] *4*	5.0[jb] *9*	1802.284	$1^+,2^+$	688.672	2^+			I_γ: possible doublet from coincidence measurements with Iγ=6.4 *6*.
1135.3		1135.293	0^+	0.0	0^+	E0	<0.0094	$I_{(\gamma+ce)}$: I(γ+ce)=Ice: from I(cek)/Iγ(779γ)<0.00021 *3* (1982Ka28), and Ce(E0)/ce(K)(E0)=1.16 (1969Ha61). ce(K): K-electron intensity Iε is given per 100 capture events where it is assumed that 80 percent of capture events populate the $2(1)^+$ state. ce(K)<0.01% for E0 branch, relative to the total depopulating intensity from 1135-keV level (1982Ka28). from X(E0)=B(E0)(to 0+(0))/B(E2)(to 2+(356))<0.005 (1982Ka28).
1137.01[j] *3*	4.6[bj] *14*	1825.698	2^+	688.672	2^+			I_γ: possible doublet from coincidence measurements with Iγ=6.0 *8*.
1137.01[j] *3*	1.4[bj] *7*	2013.86	2^+	876.854	4^+			I_γ: possible doublet from coincidence measurements with Iγ=6.0 *8*.
1143.53 *5*	2.0 *4*	2505.10	2^+	1361.568	2^+			
1150.8 *3*	1.5 *3*	2443.96	2^+	1293.293	4^+			
1158.82 *13*	1.2 *2*	1847.343	2^+	688.672	2^+	M1+E2+E0		α(K)exp<0.02 (1982Ka28); ce(K)<0.013 ce(K): Relative to Iγ(1492γ)=23 *2* from 1982Ka28. α(K)(E2)=0.003 \$ α(K)(M1)=0.0085.
[x]1162.1 *4*	1.5 *4*							
1188.9 *2*	1.0 *2*	2324.208	$1^+,2^+$	1135.293	0^+			
1199.50 *4*	10[&] *2*	1888.123	$1^+,2^+$	688.672	2^+			

γ(^{196}Pt) (continued)

Eγ[†]	Iγ[‡]	Ei(level)	$J^π_i$	Ef	$J^π_f$	Mult.[#]	I(γ+ce)	Comments
x1204.1 *2*	4.4[&] *5*							
1210.2 *4*	1.7 *4*	2087.313	3⁻,4⁺	876.854	4⁺			
1229.65 *13*	2.4 *5*	1918.54	0⁺	688.672	2⁺			
x1243.94 *7*	4.5 *5*							
1248.84 *3*	16.3 *14*	1604.485	2⁺	355.6843	2⁺	M1+E2+E0		ce(K)=21 *3*; ce(L)=2 *1*; K/L=10 *5* (1971Wa24) α(K)exp=0.058 *5* (1982Ka28); ce(K)=0.86 *10* ce(K): Relative to Iγ(1249γ)=16.3 *14* from 1982Ka28. α(K)(E2)=0.0029, α(K)(M1)=0.0065.
1264.6 *2*	3.3 *6*	2667.233	1⁺,2⁺	1402.719	0⁺			
x1272.6 *5*	1.7 *4*							
x1296.49 *6*	7.5[b] *10*							
1305.59 *4*	10.4 *7*	2667.233	1⁺,2⁺	1361.568	2⁺			
x1311.8[@] *6*	1.0 *4*							
x1314.9[@] *5*	1.1 *4*							
x1321.74[j] *4*	5[j] *2*							
1321.74[j] *4*	9.[jb] *3*	1677.242	2⁺	355.6843	2⁺			Iγ: possible doublet from coincidence measurements with Iγ=13.8 *11*.
1330.6 *5*	1.6 *5*	2345.28	1⁺,2⁺	1015.028	3⁺			
1334.3 *3*	2.3 *5*	2469.88	1⁻,2⁺	1135.293	0⁺			
1353.0[ik] *4*	1.3[i] *5*	2229.6	2⁺	876.854	4⁺			
1353.0[ik] *4*	1.3[i] *5*	2488.229	1⁺,2⁺	1135.293	0⁺			
1358.30 *8*	11.7 *11*	2046.97	2⁺	688.672	2⁺			
1358.4[k] *10*	0.91[fg]	1361.568	2⁺	0.0	0⁺			Eγ: from 1970Or05.
x1360.4 *3*	5.5 *8*							
x1370.7 *3*	2.0 *5*							
x1379.1 *3*	1.8 *6*							
1397.9[k] *4*	1.5 *5*	2087.313	3⁻,4⁺	688.672	2⁺			
1402.7		1402.719	0⁺	0.0	0⁺	E0	0.41 *5*	I(γ+ce): I(γ+ce)=Ice: from I(cek)/Iγ(1047γ)=0.0117 *11* (1982Ka28), and Ce(E0)/ce(K)(E0)=1.16 (1969Ha61). Other: ce(K)=11 *2*, α(K)exp=0.009 *2* (1971Wa24, see footnote on mult). ce(K): K-electron intensity Iε is given per 100 capture events where it is assumed that 80 percent of capture events populate the 2(1)⁺ state. ce(K)=0.90% for E0 branch, relative to the total depopulating intensity from 1403-keV level (1982Ka28). from X(E0)=B(E0)(to 0+(0))/B(E2)(to 2+(356))=0.092 (1982Ka28).
1404.6[k] *2*	4.3 *5*	2092.6	(2⁺)	688.672	2⁺			
x1422.3 *3*	1.2 *3*							
1428.7 *3*	1.3 *3*	2443.96	2⁺	1015.028	3⁺			
1439.38 *6*	11.0 *9*	1795.08	2⁺,(1⁻)	355.6843	2⁺			
1446.84[j] *12*	4.5[jb] *10*	1447.029	3⁻	0.0	0⁺			Iγ: possible doublet from coincidence measurements with Iγ=7.5 *7*.
1446.84[j] *12*	3.0[jb] *7*	1802.284	1⁺,2⁺	355.6843	2⁺			Iγ: possible doublet from coincidence measurements with Iγ=7.5 *7*.
x1450.1 *4*	1.9 *5*							

From ENSDF

γ(^{196}Pt) (continued)

E$_\gamma$[†]	I$_\gamma$[‡]	E$_i$(level)	J$^\pi_i$	E$_f$	J$^\pi_f$	Mult.[#]	I$_{(\gamma+ce)}$	Comments
^{x}1463.5 *3*	3.7 *6*							
1467.53 *8*	8.4 *8*	1823.21	0^+	355.6843	2^+			I$_\gamma$: Iγ=0.63 *6* for 100 n-capture events (1982Ka28).
1473.97 *8*	9.0 *15*	2162.68	2^+	688.672	2^+			
1485.81 *15*	3.6 *8*	2174.42	$0^+,2^+$	688.672	2^+			
1491.60 *4*	23 *2*	1847.343	2^+	355.6843	2^+			
1497.85 *6*	12.5 *11*	1853.643	2^+	355.6843	2^+			
1510.75 *5*	13.3 *11*	2199.43	0^+	688.672	2^+			
1515.5 *3*	1.9 *6*	2204.415	$1^+,2^+$	688.672	2^+			
1526.7 *2*	2.3[&] *14*	2403.64	2^+	876.854	4^+			
1532.30[j] *5*	11[jb] *3*	1888.123	$1^+,2^+$	355.6843	2^+			I$_\gamma$: possible doublet from coincidence measurements with Iγ=20 *2*.
1532.30[j] *5*	9.[jb] *3*	2667.233	$1^+,2^+$	1135.293	0^+			I$_\gamma$: possible doublet from coincidence measurements with Iγ=20 *2*.
1562.85 *5*	13.5 *13*	1918.54	0^+	355.6843	2^+			I$_\gamma$: Iγ=1.02 *1* for 100 n-capture events (1982Ka28).
1576.32 *11*	7.5 *11*	1932.00	$0^+,1^+,2^+$	355.6843	2^+			
^{x}1582.5 *2*	3.7 *6*							
1604.3 *3*	3.3 *6*	1604.485	2^+	0.0	0^+			
1613.1 *3*	2.3 *4*	1968.897	$1^+,(2^+)$	355.6843	2^+			
1620.7 *3*	5.7 *10*	2309.22	(2^+)	688.672	2^+			
^{x}1628.5 *2*	5.7 *5*							
1632.4 *2*	8.8 *7*	1988.204	$1^+,2^+$	355.6843	2^+			
1635.2 *2*	3.4 *5*	2324.208	$1^+,2^+$	688.672	2^+			
1643.4 *2*	7.1 *6*	1999.05	2^+	355.6843	2^+			
^{x}1646.0 *5*	3.3 *5*							
1656.5 *3*	3.1 *4*	2345.28	$1^+,2^+$	688.672	2^+			
^{x}1661.9 *5*	1.1 *4*							
^{x}1671.7 *4*	2.0 *5*							
^{x}1674.7 *5*	2.5 *6*							
1677.5 *2*	15[&] *2*	1677.242	2^+	0.0	0^+			
1686.6 *3*	3.1 *5*	2375.07	$1^+,2^+$	688.672	2^+			
1691.7[k] *2*	3.9 *7*	2046.97	2^+	355.6843	2^+			
1694.3 *4*	2.6 *6*	2383.31	$0^+,1^+,2^+$	688.672	2^+			
1713.6 *2*	14[&] *2*	2069.33	$0^+,1^+,2^+$	355.6843	2^+			
^{x}1726.1 *3*	4.5 *7*							
1731.9 *3*	3.9 *7*	2087.313	$3^-,4^+$	355.6843	2^+			
1736.9[k] *2*	14.8 *12*	2092.6	(2^+)	355.6843	2^+			
1768.9 *5*	2.9 *7*	2124.376	$3^-,4^+$	355.6843	2^+			
1771.5 *3*	9.3 *10*	2126.925	2^+	355.6843	2^+			
1795.0 *3*	2.7 *7*	1795.08	$2^+,(1^-)$	0.0	0^+			
1799.5 *4*	4.4 *10*	2488.229	$1^+,2^+$	688.672	2^+			
1802.3 *2*	26 *2*	1802.284	$1^+,2^+$	0.0	0^+			
1807.3 *2*	8.3 *8*	2162.68	2^+	355.6843	2^+			
1818.6 *2*	2.8 *6*	2174.42	$0^+,2^+$	355.6843	2^+			
1823.2		1823.21	0^+	0.0	0^+	E0	<0.008	I$_{(\gamma+ce)}$: I(γ+ce)=Ice: from I(cek)/Iγ(1467γ)<0.00095 *9* (1982Ka28), and

$^{196}_{78}$Pt$_{118}$-8

γ(^{196}Pt) (continued)

Eγ†	Iγ‡	Ei(level)	J^{π}_{i}	Ef	J^{π}_{f}	Mult.#	$I_{(\gamma+ce)}$	Comments
								Ce(E0)/ce(K)(E0)=1.16 (1969Ha61). ce(K): K-electron intensity Iε is given per 100 capture events where it is assumed that 80 percent of capture events populate the 2(1)$^+$ state. ce(K)<0.08% for E0 branch, relative to the total depopulating intensity from 1823-keV level (1982Ka28). from X(E0)=B(E0)(to 0+(0))/B(E2)(to 2+(356))<0.03 (1982Ka28).
1826.0 *2*	14.3 *12*	1825.698	2$^+$	0.0	0$^+$			
1839.4 *3*	4.0 *5*	2527.83	1$^+$,2$^+$	688.672	2$^+$			
1848.7 *4*	1.8 *4*	2204.415	1$^+$,2$^+$	355.6843	2$^+$			
1853.6 *3*	2.5 *4*	1853.643	2$^+$	0.0	0$^+$			
^{x}1863.7 *5*	1.6 *6*							
^{x}1870.0 *7*	1.4 *6*							
1873.9 *3*	7.5 *8*	2229.6	2$^+$	355.6843	2$^+$			
1888.4 *2*	15.2 *12*	1888.123	1$^+$,2$^+$	0.0	0$^+$			
^{x}1900.2@ *4*	1.7 *6*							
^{x}1910.8@ *5*	1.9 *5*							
1918.5		1918.54	0$^+$	0.0	0$^+$	E0	0.022 *4*	$I_{(\gamma+ce)}$: I(γ+ce)=Ice: from I(cek)/Iγ(1563γ)=0.0014 *2* (1982Ka28), and Ce(E0)/ce(K)(E0)=1.16 (1969Ha61). ce(K): K-electron intensity Iε is given per 100 capture events where it is assumed that 80 percent of capture events populate the 2(1)$^+$ state. ce(K)=0.088% for E0 branch, relative to the total depopulating intensity from 1919-keV level (1982Ka28). from X(E0)=B(E0)(to 0+(0))/B(E2)(to 2+(356))=0.060 (1982Ka28).
1969.1 *2*	16 *2*	1968.897	1$^+$,(2$^+$)	0.0	0$^+$			
1978.6 *2*	26 *2*	2667.233	1$^+$,2$^+$	688.672	2$^+$			
1999.3 *4*	3.0 *9*	1999.05	2$^+$	0.0	0$^+$			
2066.5 *3*	9.3 *13*	2422.49	0$^+$,1$^+$,2$^+$	355.6843	2$^+$			
^{x}2068.0 *3*	5.3 *12*							
2104.4 *3*	5.5 *9*	2460.2	0$^+$,1$^+$,2$^+$	355.6843	2$^+$			
2114.4 *3*	3.9 *5*	2469.88	1$^-$,2$^+$	355.6843	2$^+$			
2132.9 *7*	2.0 *7*	2488.229	1$^+$,2$^+$	355.6843	2$^+$			
^{x}2135.7 *6*	1.8 *7*							
2149.1 *7*	1.3 *5*	2505.10	2$^+$	355.6843	2$^+$			
2173.5 *3*	5.6 *6*	2529.2	2$^+$	355.6843	2$^+$			
2183.6 *3*	8.4 *11*	2183.5	1$^+$,2$^+$	0.0	0$^+$			
^{x}2185.4@ *6*	2.8 *9*							
2199.4		2199.43	0$^+$	0.0	0$^+$	E0	0.017 *2*	$I_{(\gamma+ce)}$: I(γ+ce)=Ice: from I(cek)/I(cek)(1402.7γ)=0.041 *8* (1982Ka28) and Ce(E0)/ce(K)(E0)=1.16 (1969Ha61). ce(K): K-electron intensity Iε is given per 100 capture events where it is assumed that 80 percent of capture events populate the 2(1)$^+$ state. ce(K)=0.085% for E0 branch, relative to the total depopulating intensity from 2199-keV level (1982Ka28).
2245.8 *3*	7.4 *5*	2245.542	1$^+$,2$^+$	0.0	0$^+$			

$^{196}_{78}$Pt$_{118}$-9

γ(^{196}Pt) (continued)

E$_γ$[†]	I$_γ$[‡]	E$_i$(level)	J^π_i	E$_f$	J^π_f	Mult.[#]	Comments
[x]2253.4 4	2.0 4						
[x]2259.8 4	1.9 3						
[x]2275.8 5	1.6 3						
2310.9[j] 3	11.[jb] 2	2309.22	(2$^+$)	0.0	0$^+$		I$_γ$: possible doublet from coincidence measurements with Iγ=21 2.
2310.9[j] 3	10.[jb] 2	2667.233	1$^+$,2$^+$	355.6843	2$^+$		I$_γ$: possible doublet from coincidence measurements with Iγ=21 2.
[x]2321.2 3	3.8 5						
[x]2333.9 5	3.0 4						
2344.1 10	2.2[fg]	2345.28	1$^+$,2$^+$	0.0	0$^+$		E$_γ$: Iγ=0.10 from 1970Or05. Iγ would Be 2.2 on the scale of 1979Ci04 it seems unlikely that they would not have seen it if it really belonged to ^{196}Pt. 1979Ci04 show No γ to g.s. from the 2345 level.
[x]2351.0 3	1.8 3						
2374.8 3	5.6 5	2375.07	1$^+$,2$^+$	0.0	0$^+$		
[x]2381.4[@] 7	1.3 3						
[x]2392.6 4	11.8 9						
[x]2467.3 7	3.5[a] 11						
[x]2469.7[j] 4	5.0[j] 2						
2469.7[j] 4	7.0[jba] 2	2469.88	1$^-$,2$^+$	0.0	0$^+$		I$_γ$: possible doublet from coincidence measurements with Iγ=12.0 14.
[x]2484.1 7	1.6 4						
2488.1 6	2.6 4	2488.229	1$^+$,2$^+$	0.0	0$^+$		
[x]2492.7 10	1.0 4						
2505.2 4	5.0 5	2505.10	2$^+$	0.0	0$^+$		
[x]2510.4 7	1.3 4						
2526.9 10	11.7[fg]	2527.83	1$^+$,2$^+$	0.0	0$^+$		E$_γ$: Iγ=0.53 from 1970Or05.
4677.4 10	0.9[fg]	7922.50	(0$^-$,1$^-$)	3245.0	(0,2)$^+$	(E1)	
4791.8 10	4.2[fg]	7922.50	(0$^-$,1$^-$)	3130.6	(2)$^+$	(E1)	I$_γ$: Iγ=0.60 (1968Sa13).
4816.4 10	4.4[fg]	7922.50	(0$^-$,1$^-$)	3106.0	(0,1,2)$^+$	(E1)	I$_γ$: Iγ=0.67 (1968Sa13).
4882.4 10	6.9[fg]	7922.50	(0$^-$,1$^-$)	3040.0	(1,2)$^+$	(E1)	I$_γ$: Iγ=0.75 (1968Sa13), 0.64 (1968Gr21).
4899.4 10	8.2[fg]	7922.50	(0$^-$,1$^-$)	3023.0	(1,2)$^+$	(E1)	I$_γ$: Iγ=0.75 (1968Sa13), 0.77 (1968Gr21).
4947.6 10	12[fg]	7922.50	(0$^-$,1$^-$)	2974.8	(0,2)$^+$	(E1)	
4970.7 10	2.4[fg]	7922.50	(0$^-$,1$^-$)	2951.7	(0,1,2)$^+$	(E1)	I$_γ$: Iγ=0.33 (1968Sa13), 0.18 (1968Gr21).
4995.2 10	1.5[fg]	7922.50	(0$^-$,1$^-$)	2927.2	(1,2)$^+$	(E1)	I$_γ$: Iγ=0.33 (1968Sa13), 0.40 (1968Gr21).
5046.6 10	2.7[fg]	7922.50	(0$^-$,1$^-$)	2875.8	(1,2)$^+$	(E1)	I$_γ$: Iγ=0.79 (1968Gr21).
5060.9 10	3.1[fg]	7922.50	(0$^-$,1$^-$)	2861.5	(1,2)$^+$	(E1)	
5098.8 10	17[fg]	7922.50	(0$^-$,1$^-$)	2823.6	(1)$^+$	(E1)	
5173.4 10	32[fg]	7922.50	(0$^-$,1$^-$)	2749.0	(2)$^+$	(E1)	
5184.9 10	15[fg]	7922.50	(0$^-$,1$^-$)	2737.5	(1)$^+$	(E1)	
5255.3 7	104 8	7922.50	(0$^-$,1$^-$)	2667.233	1$^+$,2$^+$	(E1)	I$_γ$: 3.96 photons per 100 N-captures In natural Pt for Eγ=5254.6 10 (1970Or05).
5261.2 8	16 2	7922.50	(0$^-$,1$^-$)	2661.2	0$^+$,1$^+$,2$^+$	(E1)	
5307.6 7	26 2	7922.50	(0$^-$,1$^-$)	2614.8	0$^+$,1$^+$,2$^+$	(E1)	
5367.7[@] 13	2.0 8	7922.50	(0$^-$,1$^-$)	2554.7	0$^+$,2$^+$		

From ENSDF

$^{196}_{78}$Pt$_{118}$-10

γ(^{196}Pt) (continued)

E_γ[†]	I_γ[‡]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[#]	Comments
5393.7 *7*	23[e] *2*	7922.50	$(0^-,1^-)$	2527.83	$1^+,2^+$	(E1)	
5417.9 *8*	2.8 *8*	7922.50	$(0^-,1^-)$	2505.10	2^+	(E1)	
5435.4 *14*	5 *2*	7922.50	$(0^-,1^-)$	2488.229	$1^+,2^+$	(E1)	E_γ: Eγ=5432.6 *10*, Iγ=0.11 from 1970Or05.
5452.0 *6*	16.0 *17*	7922.50	$(0^-,1^-)$	2469.88	$1^-,2^+$	(E1)	I_γ: Iγ=0.42 (1968Sa13), 0.71 (1968Gr21), 0.29 (1970Or05).
5459.6 *14*	2.6 *10*	7922.50	$(0^-,1^-)$	2460.2	$0^+,1^+,2^+$	(E1)	
5500.7[@] *7*	5.5 *9*	7922.50	$(0^-,1^-)$	2422.49	$0^+,1^+,2^+$	(E1)	
5539.0 *8*	3.0 *10*	7922.50	$(0^-,1^-)$	2383.31	$0^+,1^+,2^+$	(E1)	
5546.9 *9*	5.6 *12*	7922.50	$(0^-,1^-)$	2375.07	$1^+,2^+$	(E1)	I_γ: Iγ=0.46 (1968Gr21), 0.20 (1970Or05).
5553.7 *15*	2.6 *10*	7922.50	$(0^-,1^-)$	2365.967	2^+	(E1)	
5577.3 *8*	5.3 *10*	7922.50	$(0^-,1^-)$	2345.28	$1^+,2^+$	(E1)	
5612.5 *5*	25 *2*	7922.50	$(0^-,1^-)$	2309.22	(2^+)	(E1)	
5661 *3*	2.2	7922.50	$(0^-,1^-)$	2262.419	2^+		E_γ,I_γ: from 1970Or05.
5677.0 *10*	3.9[e] *11*	7922.50	$(0^-,1^-)$	2245.542	$1^+,2^+$	(E1)	
5692.8 *10*	0.7	7922.50	$(0^-,1^-)$	2229.6	2^+		E_γ,I_γ: from 1970Or05.
5717.3 *12*	4.1 *13*	7922.50	$(0^-,1^-)$	2204.415	$1^+,2^+$	(E1)	
5722.9 *7*	13.6 *17*	7922.50	$(0^-,1^-)$	2199.43	0^+	(E1)	
5739.3 *6*	8.6 *11*	7922.50	$(0^-,1^-)$	2183.5	$1^+,2^+$	(E1)	I_γ: Iγ=0.58 (1968Sa13), 0.38 (1968Gr21), 0.09 (1970Or05).
5747.5 *10*	4.6 *10*	7922.50	$(0^-,1^-)$	2174.42	$0^+,2^+$	(E1)	
5760.1 *6*	14.5 *16*	7922.50	$(0^-,1^-)$	2162.68	2^+	(E1)	
5795.0 *6*	6.4 *9*	7922.50	$(0^-,1^-)$	2126.925	2^+	(E1)	
5829.8 *6*	4.4 *7*	7922.50	$(0^-,1^-)$	2092.6	(2^+)	(E1)	
5852.2 *10*	1.8 *4*	7922.50	$(0^-,1^-)$	2069.33	$0^+,1^+,2^+$	(E1)	
5874.9 *6*	8.3 *9*	7922.50	$(0^-,1^-)$	2046.97	2^+	(E1)	
5911.4 *6*	8.4[e] *7*	7922.50	$(0^-,1^-)$	2013.86	2^+	(E1)	
5936.8 *11*	1.7 *7*	7922.50	$(0^-,1^-)$	1984.91	$1^+,2^+$	(E1)	
5953.4 *5*	15.7 *13*	7922.50	$(0^-,1^-)$	1968.897	$1^+,(2^+)$	(E1)	
5990.9 *8*	3.6 *8*	7922.50	$(0^-,1^-)$	1932.00	$0^+,1^+,2^+$	(E1)	
6003.6 *6*	13.3 *14*	7922.50	$(0^-,1^-)$	1918.54	0^+	(E1)	
6034.0 *7*	24[&] *3*	7922.50	$(0^-,1^-)$	1888.123	$1^+,2^+$	(E1)	
6071.2 *13*	3.0[d] *14*	7922.50	$(0^-,1^-)$	1853.643	2^+	(E1)	
6075.6 *9*	5.7[d] *14*	7922.50	$(0^-,1^-)$	1847.343	2^+	(E1)	
6095.9 *11*	2.2[d] *7*	7922.50	$(0^-,1^-)$	1825.698	2^+		E_γ,I_γ: E=6097.5 *10*, Iγ=0.06 (1970Or05), Iγ=0.14 (1968Gr21).
6101.5 *15*	1.4[d] *7*	7922.50	$(0^-,1^-)$	1823.21	0^+	(E1)	
6120.1 *9*	2.4 *5*	7922.50	$(0^-,1^-)$	1802.284	$1^+,2^+$	(E1)	
6224.2 *10*	0.07[f g]	7922.50	$(0^-,1^-)$				E_γ: from 1970Or05.
6243.8 *10*	1.1 *3*	7922.50	$(0^-,1^-)$	1677.242	2^+	(E1)	
6318.7 *8*	1.5 *3*	7922.50	$(0^-,1^-)$	1604.485	2^+	(E1)	
6518.8 *9*	1.2 *3*	7922.50	$(0^-,1^-)$	1402.719	0^+	(E1)	
6560.5 *6*	2.9 *3*	7922.50	$(0^-,1^-)$	1361.568	2^+	(E1)	
6787.0 *11*	1.8 *7*	7922.50	$(0^-,1^-)$	1135.293	0^+	(E1)	
7234.3 *6*	11.0 *12*	7922.50	$(0^-,1^-)$	688.672	2^+	(E1)	

$^{196}_{78}$Pt$_{118}$-11

γ(^{196}Pt) (continued)

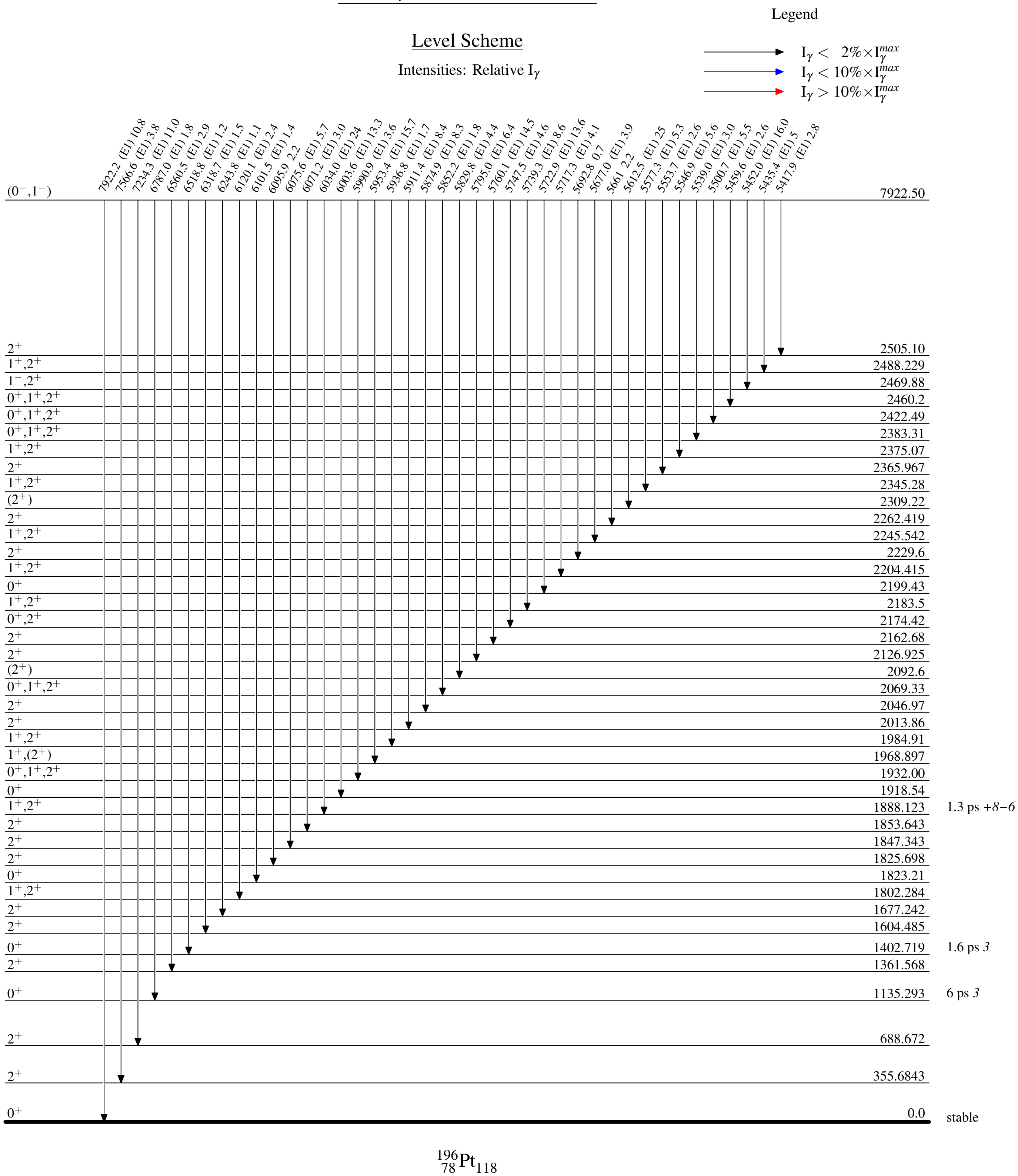
E_γ [†]	I_γ [‡]	E_i(level)	J^π_i	E_f	J^π_f	Mult. [#]
7566.6 *6*	3.8 *5*	7922.50	(0^-,1^-)	355.6843	2^+	(E1)
7922.2 *6*	10.8 *8*	7922.50	(0^-,1^-)	0.0	0^+	(E1)

[†] Weighted average of the energy at thermal and 11.9-eV neutron energies. The neutron energy cutoff for the low energy 11.9-eV resonance study was≈2470 keV.
[‡] Normalized to 1000 for 355-keV transition, unless otherwise noted.
[#] From α(K)exp and K/L (1971Wa24). Primary γ assumed to be E1. ce(K) from 1971Wa24, relative ce intensities normalized to ce(K)(356)=1420 *55*.
[@] Questionable line.
[&] Intensity corrected to account for nearby impurity.
[a] Unresolved multiplet for which the best estimates of centroids and intensities of the components are quoted.
[b] Intensity taken from coincidence measurements.
[c] Up to 10% of the 1091γ intensity may be placed elsewhere in level scheme (in coincidence with 521γ).
[d] Pair of partially resolved lines. The quoted energies and intensities are the best estimates for the components.
[e] Broad peak, possible unresolved multiplet. The centroid energy and total intensity are quoted.
[f] Photons per 100 N-captures In natural Pt (1970Or05).
[g] Converting the Iγ values of 1970Or05 to the scale of 1979Ci04 by normalizing to the three strong highest energy transitions, 7235, 7567, and 7920; the data of 1970Or05 should be multiplied by 22.1.
[h] 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.
[i] Multiply placed with undivided intensity.
[j] Multiply placed with intensity suitably divided.
[k] Placement of transition in the level scheme is uncertain.
[x] γ ray not placed in level scheme.

^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme

Intensities: Relative I_γ



^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

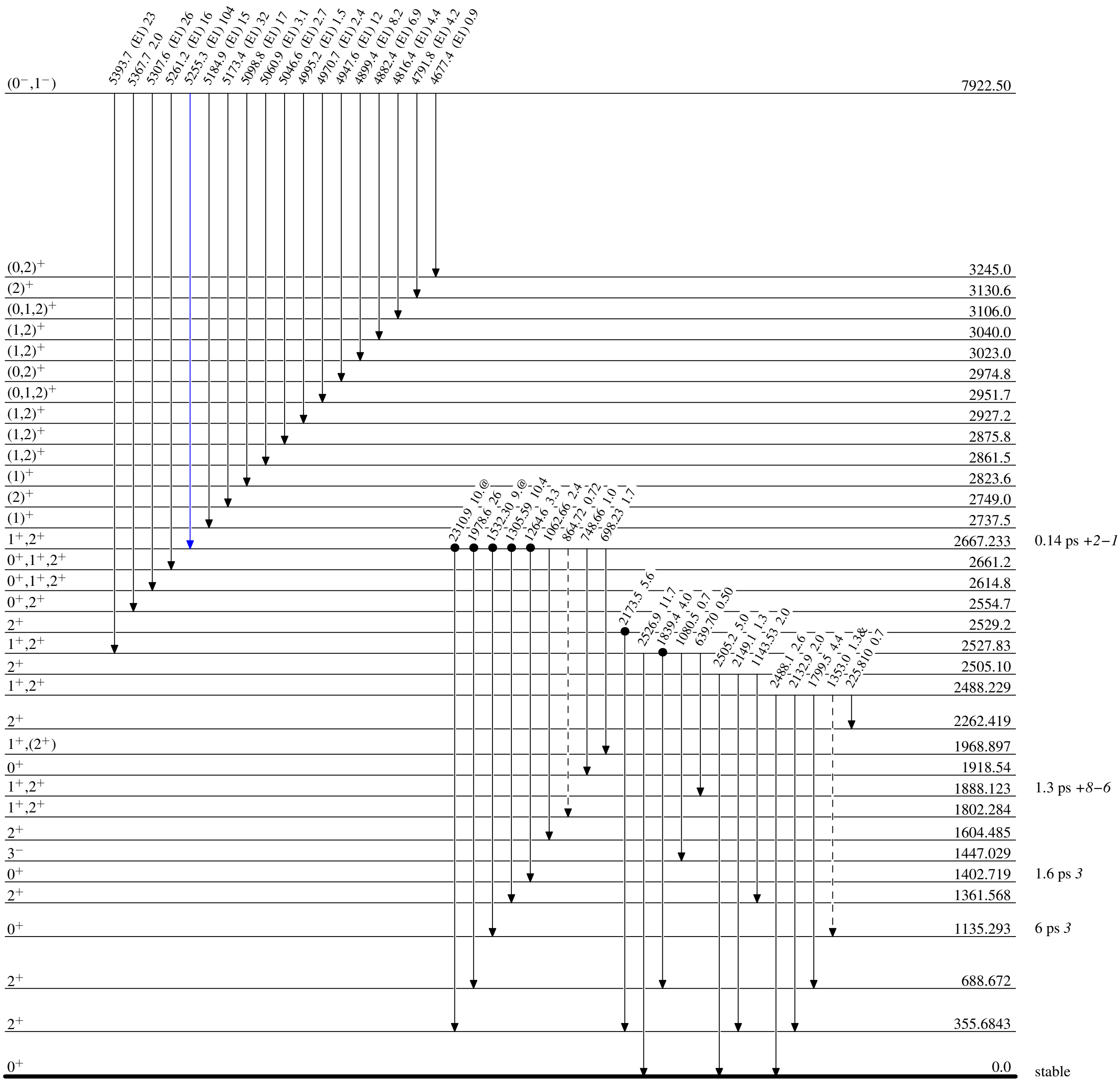
Intensities: Relative I_γ

& Multiply placed: undivided intensity given

@ Multiply placed: intensity suitably divided

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)
- Coincidence



$^{196}_{78}Pt_{118}$

^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

Intensities: Relative I_γ

& Multiply placed: undivided intensity given

@ Multiply placed: intensity suitably divided

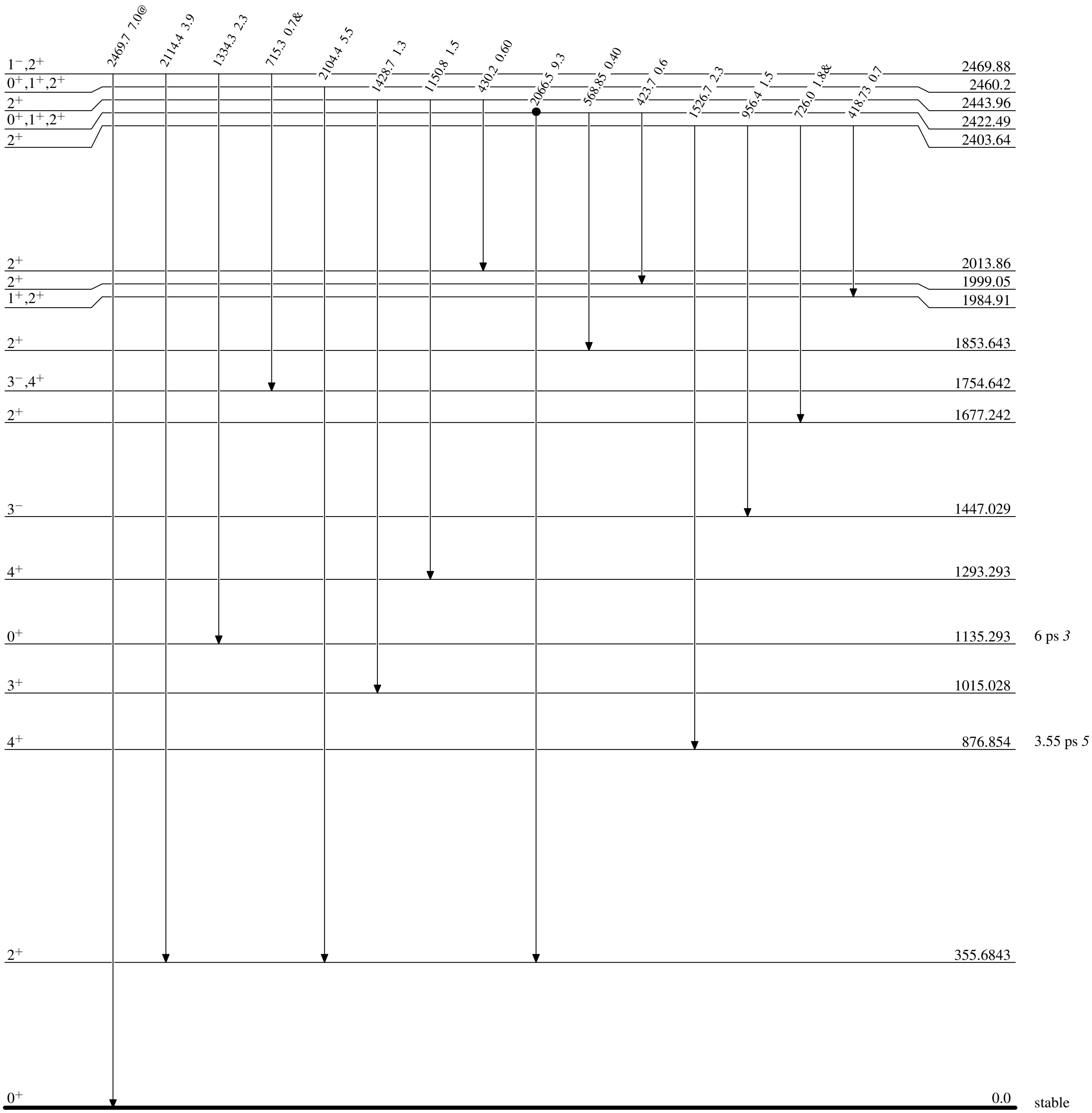
Legend

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

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

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

Coincidence



$^{196}_{78}Pt_{118}$

^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

Intensities: Relative I_γ

& Multiply placed: undivided intensity given

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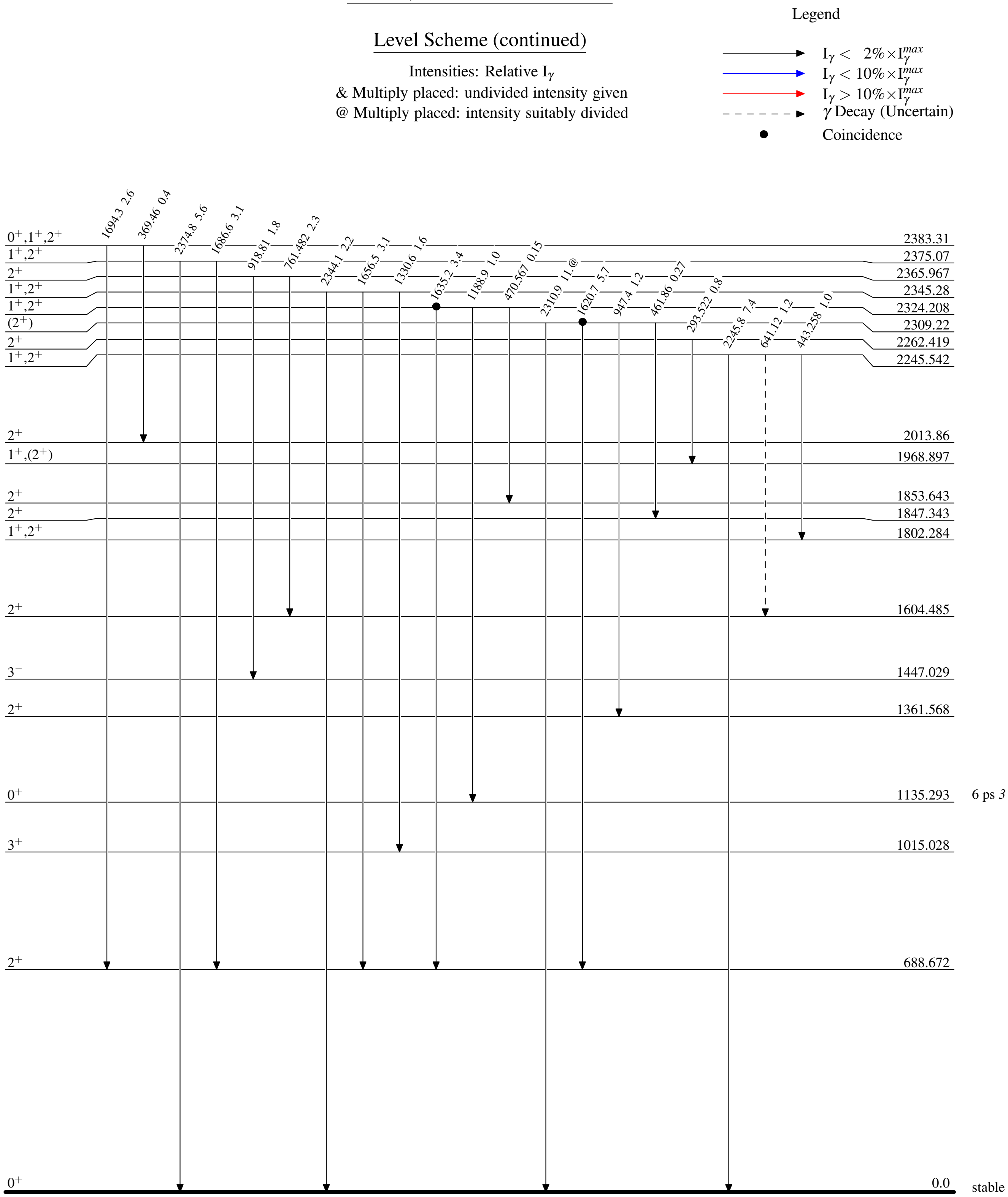
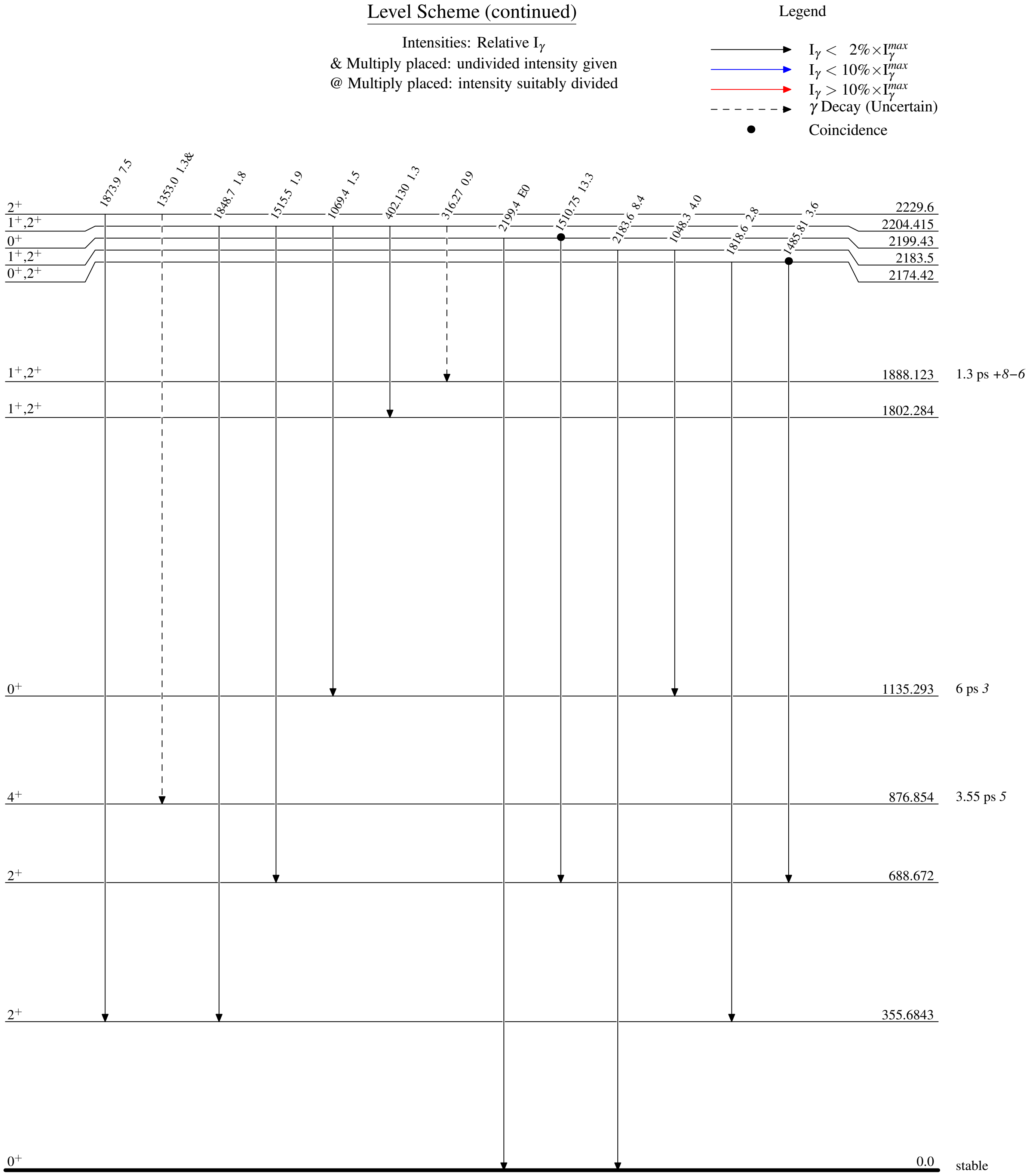


$^{196}_{78}Pt_{118}$

^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

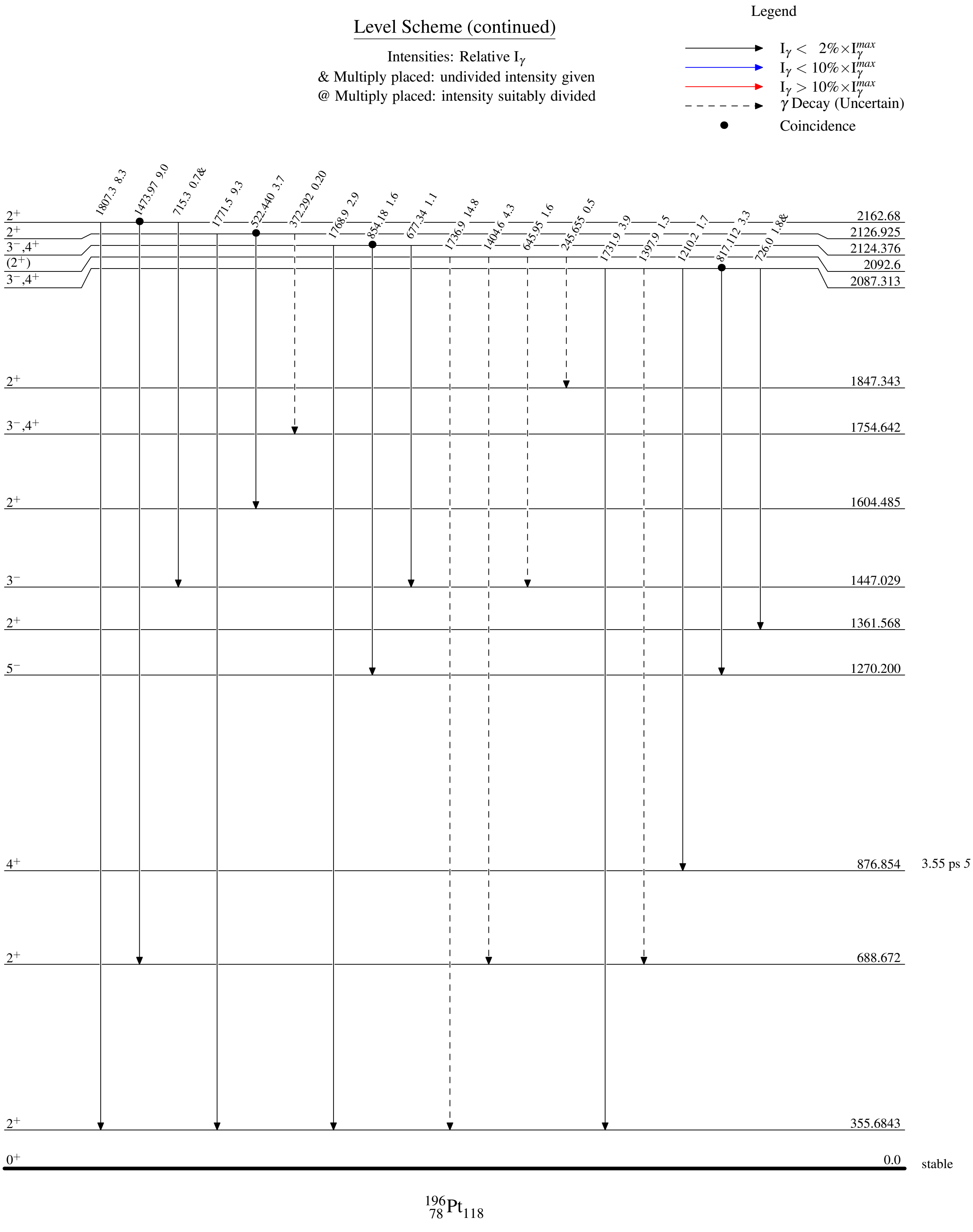
Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

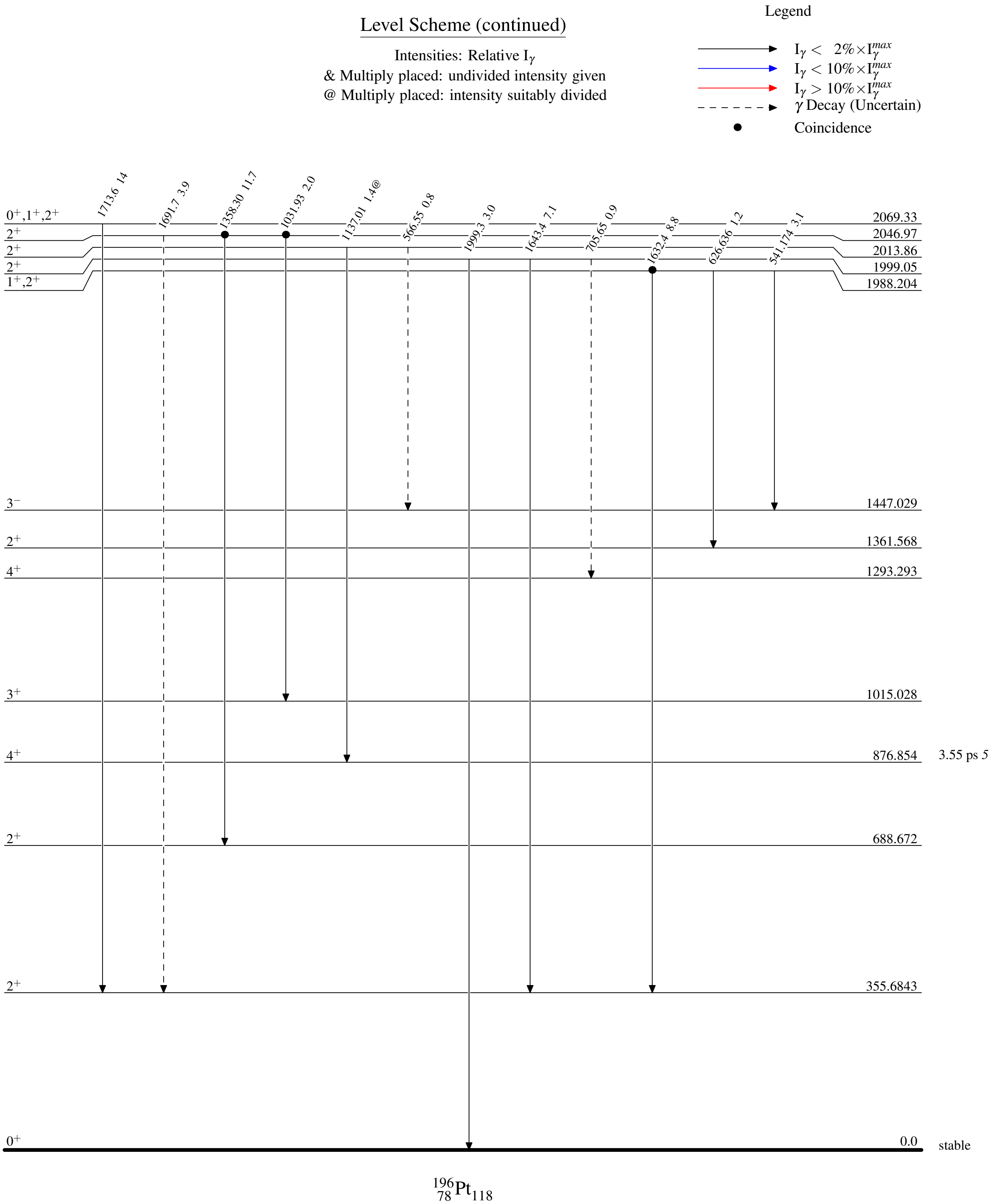
Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

Intensities: Relative I_γ

& Multiply placed: undivided intensity given

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Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
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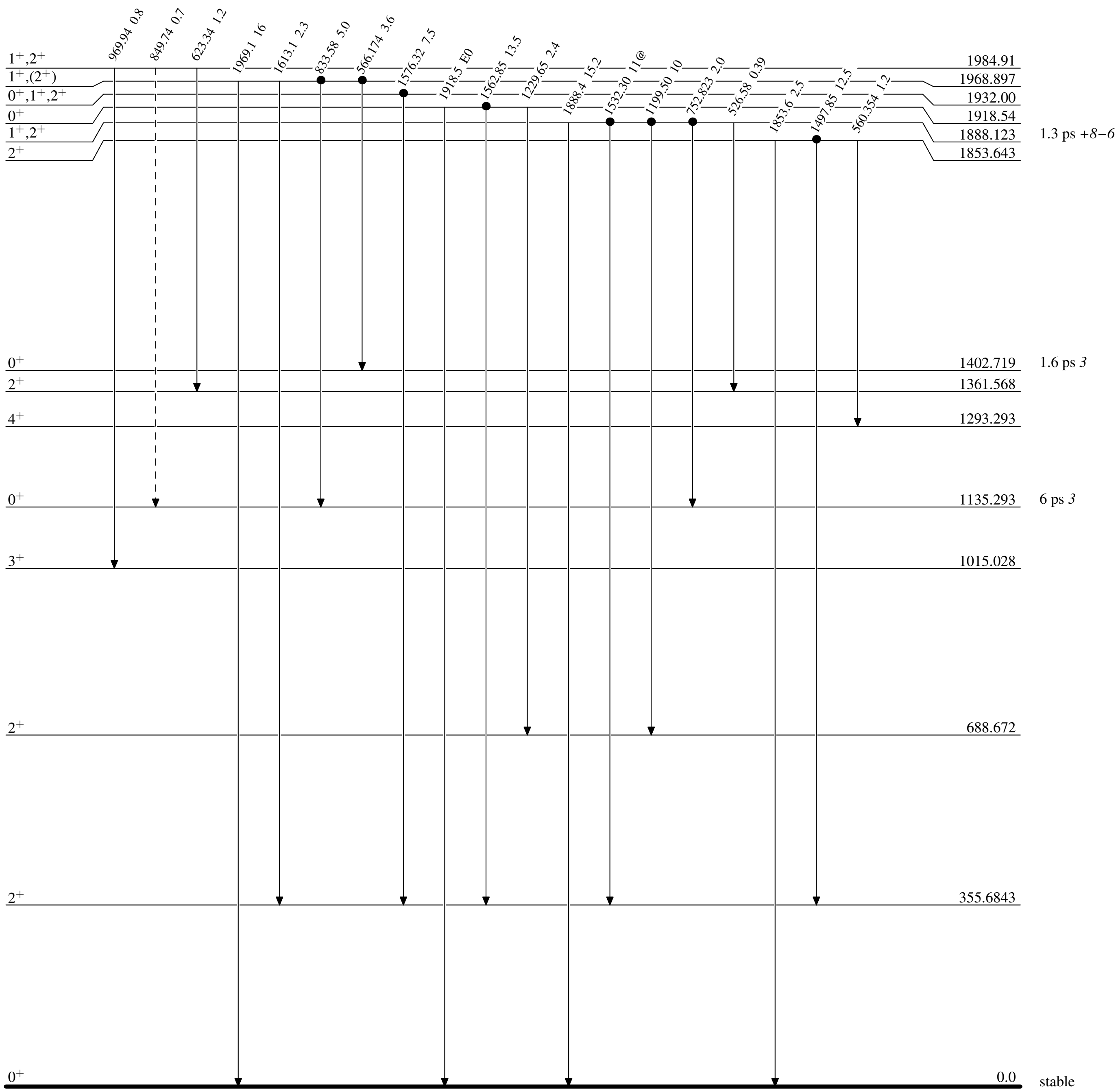
- $I_\gamma > 10\% \times I_\gamma^{max}$
- γ Decay (Uncertain)
- Coincidence



$^{196}_{78}Pt_{118}$

^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

Intensities: Relative I_γ
& Multiply placed: undivided intensity given
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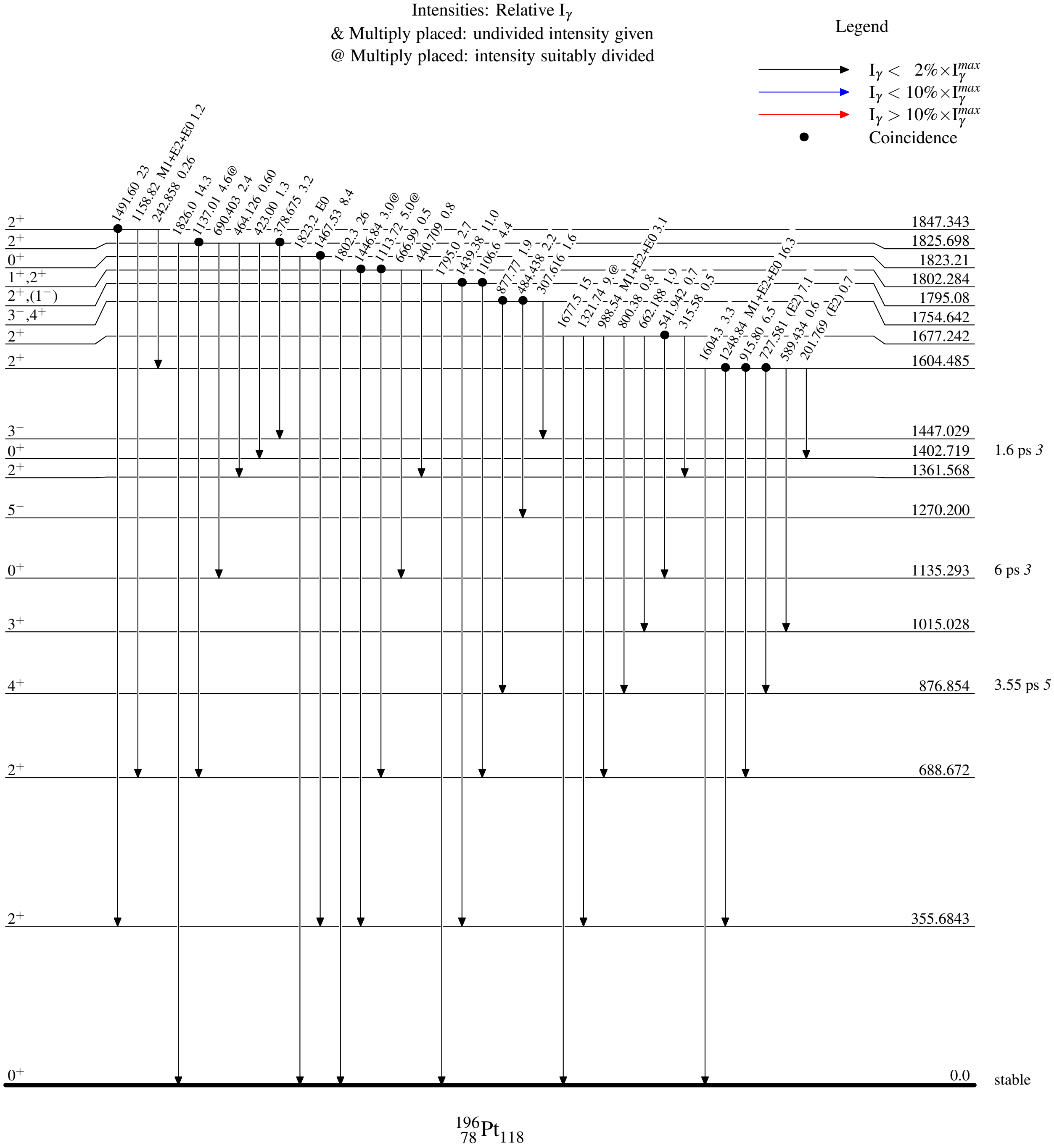

^{195}Pt(n,γ) E=thermal 1979Ci04

Level Scheme (continued)

Intensities: Relative I_γ

& Multiply placed: undivided intensity given

@ Multiply placed: intensity suitably divided