Adopted Levels, Gammas

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

Q(β^-)=−4.82×10^3 *4*; S(n)=7.42×10^3 *3*; S(p)=4.37×10^3 *4*; Q(α)=4437 *10* 2012Wa38
Note: Current evaluation has used the following Q record −4820 50 *7420* 40 *4360* 50 *4440* 50 2003Au03.
Q(α): Additional information 1.

^{185}Pt Levels

Single-particle configuration assignments are based on the energy systematics of Nilsson orbitals in other N=107 isotones. These assignments are based also on the rotational structure and γ-ray decay patterns of the same bands in neighboring odd-N nuclei (1991ScZY,1992Sc01,1988Ro13).

Some levels below 700 keV have been interpreted in terms of single-particle states strongly coupled to a prolate deformed core, and others in terms of weakly-deformed single particle states. A number of E0 transitions observed in 185Pt may be explained by mixing between these shape isomeric configurations: low-lying strongly deformed, with higher-lying weakly deformed single particle states (1992Sc01,1991ScZY).

Cross Reference (XREF) Flags

A ^{185}Au ε decay
B ^{173}Yb(^{16}O,4nγ), ^{174}Yb(^{16}O,5nγ)

E(level)[i]	J$^\pi$[h]	T$_{1/2}$	XREF	Comments
0.0[#]	9/2$^+$	70.9 min *24*	AB	%ε+%β^+<100 μ=−0.774 *14*; Q=+4.3 *5* (2001StZZ) T$_{1/2}$: from multiscaling of delayed γ's (1970FiZZ). Other values: 72 min (1960Al20), 60 min (1965Qa01). J$^\pi$: observed ε decay to high-spin states in ^{185}Ir suggests J^π=9/2$^+$. Nilsson orbital assignment based on energy systematics of 9/2[924] in ^{183}Os, ^{181}W, ^{179}Hf, and ^{177}Yb (N=107 isotones). Measured μ=−0.83 *1* (1989Du01, 1988Ro20) and −0.774 *14* (2000Le40) agree with theory for 9/2$^+$,9/2[624]. %α=0.0050 *20*, if 4444 keV *10* α particle originates from ^{185}Pt α decay (70.9 min) (1991Bi04). μ: Nuclear magnetic resonance on oriented nuclei (1990Ed01). Other values: −0.723 *11* from laser spectroscopy (2000Le40), −0.83 *1* from resonance ionization mass spectroscopy (1989Du01, 1988Ro20); 0.772 *15*, static (low temperature) nuclear orientation (1988Ed02, 1990Ed01). Isotope shift (1990Hi08, 1992Hi07). Q: Resonance ionization mass spectroscopy (not corrected for Sternheimer effect) (1989Du01, 1988Ro20). Other values: Q=+4.37 *26* from Q(^{185}Pt)/Q(^{191}Pt)=−4.46 *13* from nuclear magnetic resonance on oriented nuclei (1998Hi08); Q=+3.73 *17* from laser spectroscopy (2000Le40), Q=+4.5 *1* from nuclear magnetic resonance on oriented nuclei (1993HaZU); Q=+3.4 *5* from static (low temperature) nuclear orientation (1988Ed02, 1990Ed01). <r^2>$^{1/2}$=5.4155 fm 29 for ^{185}Pt based on a global fit to charge radius data for all nuclides (2004An14).
94.79[@] *4*	(11/2)$^+$		AB	J$^\pi$: 94.8γ M1+E2 to 9/2$^+$; band structure.
103.41[b] *5*	1/2$^-$	33.0 min *8*	AB	%ε+%β^+=99 *1*; %IT<2 μ=+0.540 *9* (2001StZZ) T$_{1/2}$: from multiscaling of delayed γ's (1970FiZZ). J$^\pi$: Nilsson orbital assignment based on the similarity with energies observed for 1/2[521] in ^{183}Pt and ^{181}Pt. Observed ε decay to low-spin states in ^{185}Ir supports J^π=1/2$^-$. Measured μ=+0.540 *9* (1992Hi07) and +0.503 *5* (2000Le40)

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Adopted Levels, Gammas (continued)

^{185}Pt Levels (continued)

E(level)[i]	Jπ[h]	T1/2	XREF	Comments
				agree with theory for J^π=1/2$^-$. %IT<2 from B(M4)(W.u.)<10 (RUL) for a possible transition to g.s. %α=0.0010 *4*, if 4444 keV *10* α particle originates from ^{185}Pt α decay (33.0 min) (1991Bi04). μ: Laser resonance ionization mass spectroscopy (1992Hi07). Other value: +0.503 *5* from laser spectroscopy (2000Le40).
181.09[c] *5*	3/2$^-$	1.68 ps *4*	A	Jπ: 77.7γ M1+E2 to 1/2$^-$, see comment on 200.9 level. $T_{1/2}$: From time distribution of electron-γ coincidences (1996Om01).
200.89[b] *4*	5/2$^-$	728 ns *20*	AB	Jπ: 310γ E1 to 9/2$^+$ g.s., and M1-M1 cascade through 200.9 level to to the 3/2$^-$ 181.1 level uniquely establishes J^π=7/2$^-$ and 5/2$^-$ for the 310.6 and 200.9 levels, respectively. $T_{1/2}$: From time distribution of electron-γ coincidences (1996Om01).
212.22[#] *7*	(13/2)$^+$		AB	Jπ: 117.4γ M1 to (11/2)$^+$; band structure.
310.58[a] *4*	7/2$^-$		AB	Jπ: see comment on 200.9 level.
373.2[@] *3*	(15/2)$^+$		B	Jπ: 161.1γ (M1+E2) to (13/2)$^+$; band structure.
387.91[d] *5*	(1/2)$^-$		A	Jπ: 207γ M1 to 3/2$^-$; band head of 1/2[510] rotational band. J^π=3/2$^-$ for the 435.4 level and J^π=5/2$^-$ for the 488.4 level and the band structure support J^π=(1/2)$^-$ for this state.
424.09[c] *5*	(7/2)$^-$		A	Jπ: 223.2γ M1+E2 to 5/2$^-$. γγ(θ,H) (1985Va07).
435.39[e] *5*	3/2$^-$		A	Jπ: 332γ M1+E2 to 1/2$^-$, 234.5γ M1+E2 to 5/2$^-$.
450.17[f] *6*	(7/2)$^-$		A	Jπ: 139.6γ M1 to 7/2$^-$; 1991ScZY suggested this level as the band head of 7/2[514] rotational band.
451.87[b] *5*	(9/2)$^-$		AB	Jπ: 251.1γ E2 to 5/2$^-$. γγ(θ,H) (1985Va07).
486.78[&] *5*	(9/2)$^-$		AB	Jπ: 176.2γ M1+E2 to 7/2$^-$, 486.9γ E1 to 9/2$^+$, γγ(θ,H) (1985Va07).
488.41[d] *5*	5/2$^-$		A	Jπ: 53.0γ M1 to 3/2$^-$, 102.3γ M1+E2 from 7/2$^-$.
510.08[g] *5*	5/2$^-$		A	Jπ: 199.4γ M1+E2 to 7/2$^-$, 329.1γ M1+E2 to 3/2$^-$.
521.29 *5*	3/2$^-$		A	Jπ: 417.9γ M1+E2 to 1/2$^-$, 320.2γ M1 to 5/2$^-$.
530.6[#] *3*	(17/2)$^+$		B	Jπ: 157.4γ (M1+E2) to (15/2)$^+$; band structure.
575.89[f] *6*	(9/2)$^-$		A	Jπ: 265.3γ M1+E2 to 7/2$^-$, 89.1γ M1+E2 to (9/2)$^-$, 375.0γ to 5/2$^-$.
590.71[e] *5*	7/2$^-$		A	Jπ: 389.8γ M1+E2 to 5/2$^-$. γγ(θ,H) (1985Va07). 7/2$^-$,1/2[510] was assigned by 1988Ro13, based on the analogy with γ-ray decay pattern between the 1/2[510] and 1/2[521] rotational bands in ^{183}Os.
593.32 *5*	5/2$^-$		A	Jπ: 490.0γ E2 to 1/2$^-$, 282.7γ M1+E2 to 7/2$^-$.
614.80 *5*	(9/2)$^+$		A	Jπ: 520.0γ E2 to (11/2)$^+$, 402.5γ to (13/2)$^+$, 614.8γ to 9/2$^+$, E2 from (5/2)$^+$ at 961.5.
615.65[g] *5*	(7/2)$^-$		A	Jπ: 305.0γ E2 to 7/2$^-$, 434.6 γ to 3/2$^-$, 615.7γ to 9/2$^+$.
645.38 *6*	1/2$^-$		A	Jπ: 542γ E0+M1 to 1/2$^-$.
657.40 *7*	(9/2,11/2)$^+$		A	Jπ: 562.5γ M1 to (11/2)$^+$, 657.6γ M1+E2 to 9/2$^+$, 445.1γ to (13/2)$^+$.
659.26 *5*	3/2$^-$		A	Jπ: 348.7γ E2 to 7/2$^-$, 555.9γ M1 to 1/2$^-$.
682.38[a] *8*	(11/2)$^-$		AB	Jπ: 371.8γ E2 to 7/2$^-$, 682.4γ E1 to 9/2$^+$; band structure.
693.05 *5*	(5/2)$^+$		A	Jπ: 693γ E2 to 9/2$^+$. γγ(θ,H) (1985Va07).
699.54 *6*	5/2$^-$		A	Jπ: 518.5γ M1+E2 to 3/2$^-$, 388.8γ M1 to 7/2$^-$.
706.62 *5*	(7/2)$^+$		A	Jπ: 706.6γ M1 to 9/2$^+$, 611.8γ E2 to (11/2)$^+$. γγ(θ,H) (1985Va07).
723.54 *5*	3/2$^-$		A	Jπ: 288.2γ E0+M1 to 3/2$^-$.
728.01 *5*	(5/2)$^-$		A	Jπ: 527.2γ M1+E2 to 5/2$^-$, 547.0γ M1+E2 to 3/2$^-$, γγ(θ,H) (1985Va07).
743.69 *8*	(7/2,9/2,11/2)$^-$		A	Jπ: 433.1γ E2 to 7/2$^-$, 256.9γ M1+E2 to (9/2)$^-$.
746.15 *8*	$^+$		A	Jπ: 651.4γ E2 to (11/2)$^+$, 746.1γ to 9/2$^+$.
746.30[g] *6*	(7/2,9/2)$^-$		A	Jπ: 305.0γ E2 to 7/2$^-$, 434.6 γ to 3/2$^-$, 615.7γ to 9/2$^+$.
752.9[@] *3*	(19/2)$^+$		B	Jπ: 222.3γ (M1+E2) to (17/2)$^+$; band structure.
756.95 *9*	(7/2,9/2)$^-$		A	Jπ: 268.5γ E2 to 5/2$^-$, 305.1γ M1+E2 to (9/2)$^-$.
757.71 *6*	5/2$^-$		A	Jπ: 556.9 γ M1+E0 to 5/2$^-$.
767.74 *7*	$^+$		A	Jπ: 767.7γ E2 to 9/2$^+$, 672.9γ E2 to (11/2)$^+$.

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Adopted Levels, Gammas (continued)

^{185}Pt Levels (continued)

E(level)[i]	Jπ[h]	XREF	Comments
778.51 5	(7/2)⁻	A	Jπ: 343.2γ E2 to 3/2⁻, 187.8γ M1+E2 to 7/2⁻, 291.6γ M1+E2 to (9/2)⁻.
785.41 5	5/2⁻	A	Jπ: 584.5γ E0+M1 to 5/2⁻.
794.30 6	7/2⁺,9/2⁺,11/2⁺	A	Jπ: 794.3γ M1+E2 to 9/2⁺.
800.78 7	(9/2)⁻	A	Jπ: 313.9γ E0+M1 to (9/2)⁻.
816.09 5	(5/2)⁻	A	Jπ: 157.0γ M1 to 3/2⁻, 200.5γ M1+E2 to (7/2)⁻, 505.3γ E2 to 7/2⁻.
817.1[b] 6	(13/2)⁻	B	Jπ: γ to (9/2)⁻; band structure.
846.73 7	(7/2)⁻	A	Jπ: 645.8γ E2 to 5/2⁻, 394.9γ M1+E2 to (9/2)⁻, 665.5γ to 3/2⁻.
874.38 9	(7/2,9/2,11/2)⁻	A	Jπ: 422.6γ M1+E2 to (9/2)⁻.
879.3[&] 4	(13/2)⁻	B	Jπ: 392.8γ (E2) to (9/2)⁻; band structure.
897.55 6	(5/2,7/2,9/2)⁻	A	Jπ: 304.3γ E2 to 5/2⁻, 445.9γ E2(+M1) to (9/2)⁻.
914.22 7	5/2⁻	A	Jπ: 255.1γ M1+E2 to 3/2⁻, 603.7γ M1+E2 to 7/2⁻.
915.60 5	(7/2)⁻	A	Jπ: 427.2γ M1 to 5/2⁻, 428.7γ E2 to (9/2)⁻, 915.5γ to 9/2⁺.
938.5[#] 4	(21/2)⁺	B	Jπ: 185.6γ (M1+E2) to (19/2)⁺; band structure.
942.79 6	(7/2)⁻	A	Jπ: 490.9γ M1 to (9/2)⁻, 761.5γ to 3/2⁻.
954.56 7	(1/2)⁻	A	Jπ: 566.5γ E0 to (1/2)⁻.
955.49 6	(9/2,11/2)⁺	A	Jπ: 248.8γ E2 to (7/2)⁺, 743.4γ to (13/2)⁺.
958.95 6	3/2⁻	A	Jπ: 523.5γ E0+M1 to 3/2⁻.
961.51 6	(5/2)⁺	A	Jπ: 268.3γ E0+M1 to (5/2)⁺, 961.5γ E2 to 9/2⁺.
968.78 7	(5/2,7/2,9/2)⁻	A	Jπ: 544.7γ M1+E2 to (7/2)⁻, 768γ to 5/2⁻.
972.87 11	3/2⁻	A	Jπ: 537.5γ E0 to 3/2⁻.
996.83 6	(5/2)⁻	A	Jπ: 572.9γ M1+E2 to (7/2)⁻, 609.0γ E2 to (1/2)⁻; 508.5γ (E0+M1) to 5/2⁻.
1015.69 11	1/2⁻,3/2⁻,5/2⁻	A	Jπ: 494.4γ M1(+E0) to 3/2⁻.
1021.78 8	7/2⁻	A	Jπ: 711.2γ E0+M1 to 7/2⁻.
1032.05 6	7/2⁻	A	Jπ: 721.4γ E0 to 7/2⁻.
1032.51 6	5/2⁻	A	Jπ: 439.3γ E0+M1 to 5/2⁻.
1039.90 8	+	A	Jπ: 945.2γ E2 to (11/2)⁺.
1058.52 6	3/2⁻	A	Jπ: 623.1γ E0 to 3/2⁻.
1060.72 6	(7/2)⁺	A	Jπ: 367.9γ M1+E2 to (5/2)⁺, 1060.7γ M1+E2 to 9/2⁺.
1065.36 6	7/2⁻	A	Jπ: 474.7γ E0 to 7/2⁻.
1068.32 9	(7/2,9/2)⁻	A	Jπ: 616.5γ M1 to (9/2)⁻, 867.4γ to 5/2⁻.
1083.39 7	(3/2,5/2)⁻	A	Jπ: 562.4γ M1 to 3/2⁻, 633.4γ E2 to (7/2)⁻.
1090.5[a] 4	(15/2)⁻	B	Jπ: γ to (11/2)⁻ and (13/2)⁻ states; band structure.
1097.47 9	⁻	A	Jπ: 645.6γ E2 to (9/2)⁻, 673.7γ to (7/2)⁻.
1116.40 9	5/2⁻,7/2⁻,9/2⁻	A	Jπ: 805.9γ M1+E2 to 7/2⁻.
1123.79 8	(3/2,5/2)⁻	A	Jπ: 602.6γ M1+E2 to 3/2⁻, 673.6γ E2 to (7/2)⁻.
1125.98 8	(1/2,3/2)⁺	A	Jπ: 433.0γ E2 to (5/2)⁺, 738.0γ to (1/2)⁻.
1136.87 9	(7/2,9/2,11/2)⁻	A	Jπ: 685.0γ M1 to (9/2)⁻.
1151.61 11	(1/2,3/2,5/2⁻)	A	Jπ: 763.7γ to (1/2)⁻.
1158.37 12		A	
1159.14 9	(1/2,3/2,5/2⁻)	A	Jπ: γ's to 3/2⁻ and (1/2)⁻ states.
1161.95 11	+	A	Jπ: 468.9γ E2 to (5/2)⁺.
1162.41 11	(1/2,3/2,5/2⁻)	A	Jπ: γ's to (1/2)⁻.
1179.55 9	1/2⁻,3/2⁻,5/2⁻	A	Jπ: 520.3γ M1+E2 to 3/2⁻.
1187.41 7	(3/2,5/2,7/2)⁻	A	Jπ: 459.4γ M1 to (5/2)⁻.
1194.09 11		A	
1195.93 8	(3/2,5/2,7/2)⁺	A	Jπ: 502.9γ M1(+E2) to (5/2)⁺.
1196.61 9		A	
1198.49 7	1/2⁻,3/2⁻,5/2⁻	A	Jπ: 677.1γ M1 to 3/2⁻.
1209.19 9		A	
1209.91 11	(1/2,3/2,5/2⁻)	A	Jπ: γ's to (1/2)⁻.
1211.56 7	(7/2,9/2)⁻	A	Jπ: 723.0γ to 5/2⁻, 724.9γ M1+E2 to (9/2)⁻.
1214.9[@] 4	(23/2)⁺	B	Jπ: 276.4γ (M1+E2) to (21/2)⁺; band structure.
1216.8 4	(3/2,5/2,7/2)⁺	A	Jπ: 523.8γ M1 to (5/2)⁺.
1223.75 7	(5/2,7/2)⁻	A	Jπ: 495.7γ M1 to (5/2)⁻, 799.7γ M1 to (7/2)⁻.
1226.61 6	(3/2)⁻	A	Jπ: 498.5γ M1 to (5/2)⁻, 838.7γ M1 to (1/2)⁻.

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Adopted Levels, Gammas (continued)

^{185}Pt Levels (continued)

E(level)[i]	Jπ[h]	XREF	Comments
1233.30 *11*		A	
1234.18 *11*	(9/2)⁻	A	Jπ: 747.4γ E0+M1 to (9/2)⁻.
1240.80 *12*		A	
1249.60 *7*	(5/2,7/2,9/2)⁺	A	Jπ: 542.9γ M1+E2 to (7/2)⁺.
1255.35 *12*	⁻	A	Jπ: 596.1γ E2 to 3/2⁻.
1256.49 *11*		A	
1273.20 *11*		A	
1273.4[b] *6*	(17/2)⁻	B	Jπ: 456.3γ (E2) to (13/2)⁻; band structure.
1276.47 *11*		A	
1283.80 *7*	(1/2⁻,3/2,5/2⁻)	A	Jπ: γ's to 5/2⁻ and 1/2⁻ states.
1294.20 *11*		A	
1296.50 *8*	(3/2)⁺	A	Jπ: 603.6γ M1 to (5/2)⁺, 1192.9γ to 1/2⁻.
1314.0[&] *5*	(17/2)⁻	B	Jπ: 434.6γ (E2) to (13/2)⁻; band structure. Jπ: 434.6γ (E2) to (13/2)⁻.
1314.05 *9*		A	
1319.80 *11*		A	
1322.69 *7*	(5/2,7/2)⁺	A	Jπ: 616.2γ M1 to (7/2)⁺, 629.6γ M1(+E0) to (5/2)⁺.
1324.62 *9*	(7/2,9/2,11/2)⁻	A	Jπ: 838.0γ M1 to (9/2)⁻.
1335.78 *7*	(1/2⁻,3/2,5/2⁻)	A	Jπ: 742.3γ to 5/2⁻, 948.2γ to (1/2)⁻.
1345.70 *11*		A	
1370.35 *11*	(3/2,5/2,7/2)⁺	A	Jπ: 677.3γ M1 to (5/2)⁺.
1384.48 *12*	(1/2,3/2,5/2⁻)	A	Jπ: 739.1γ to 1/2⁻.
1391.74 *9*	⁻	A	Jπ: 664.2γ E2 to (5/2)⁻.
1406.11 *7*	(3/2,5/2)⁻	A	Jπ: 982.3γ to (7/2)⁻, 1018.1γ to (1/2)⁻.
1412.11 *8*	7/2⁻,9/2⁻	A	Jπ: 821.2γ M1 to 7/2⁻, 1412.3γ to 9/2⁺.
1417.4[#] *4*	(25/2)⁺	B	Jπ: 478.9γ (E2) to (21/2)⁺; band structure.
1442.80 *11*		A	
1446.89 *11*		A	
1450.20 *9*	(3/2⁻,5/2,7/2⁻)	A	Jπ: 859.7γ to 7/2⁻, 1268.9γ to 3/2⁻.
1505.69 *7*		A	
1518.67 *9*	(3/2,5/2,7/2)⁺	A	Jπ: 825.6γ M1 to (5/2)⁺.
1540.88 *11*		A	
1552.0[a] *5*	(19/2)⁻	B	Jπ: γ to (15/2)⁻ and (17/2)⁻ states; band structure.
1564.60 *12*	⁺	A	Jπ: 770.3γ M1 to 7/2⁺, 9/2⁺, 11/2⁺ state.
1567.19 *11*		A	
1582.41 *11*		A	
1667.90 *11*		A	
1726.60 *11*		A	
1733.0[@] *4*	(27/2)⁺	B	Jπ: 315.6γ (M1+E2) to (25/2)⁺; band structure.
1757.70 *11*		A	
1776.28 *21*		A	
1786.4[b] *7*	(21/2)⁻	B	Jπ: γ to (17/2)⁻; band structure.
1805.4[&] *5*	(21/2)⁻	B	Jπ: γ to (17/2)⁻ and (19/2)⁻ states; band structure.
1940.4[#] *5*	(29/2)⁺	B	Jπ: 207.4γ M1(+E2) to (27/2)⁺; band structure.
1961.90 *11*		A	
2048.8[a] *5*	(23/2)⁻	B	Jπ: γ to (19/2)⁻ and (21/2)⁻ states; band structure.
2109.08 *11*		A	
2256.3[b] *8*	(25/2)⁻	B	Jπ: γ to (21/2)⁻; band structure.
2270.9[@] *5*	(31/2)⁺	B	Jπ: 330.5γ (M1+E2) to (29/2)⁺; band structure.
2314.4[&] *5*	(25/2)⁻	B	Jπ: γ to (21/2)⁻ and (23/2)⁻ states; band structure.
2315.84 *9*	(5/2,7/2)⁻	A	Jπ: 1863.9γ to (9/2)⁻, 2134.8γ to 3/2⁻.
2484.39 *12*	(1/2,3/2,5/2⁻)	A	Jπ: 1839.0γ to 1/2⁻.
2489.9[#] *5*	(33/2)⁺	B	Jπ: 219.0γ (M1+E2) to (31/2)⁺; band structure.

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Adopted Levels, Gammas (continued)

^{185}Pt Levels (continued)

E(level)[i]	Jπ[h]	XREF	Comments
2536.63 *11*		A	
2539.77 *7*		A	
2540.35 *8*		A	
2548.3[a] *6*	(27/2)⁻	B	Jπ: γ to (23/2)⁻ and (25/2)⁻ states; band structure.
2549.11 *11*		A	
2559.33 *9*	(3/2⁻,5/2,7/2⁻)	A	Jπ: 2135.2γ to (7/2)⁻, 2378.3γ to 3/2⁻.
2559.96 *7*	(5/2,7/2)⁻	A	Jπ: 1836.3γ to 3/2⁻, 2073.6γ to (9/2)⁻.
2561.48 *7*	(3/2⁻,5/2,7/2⁻)	A	Jπ: 1970.5γ to 7/2⁻, 2126.3γ to 3/2⁻.
2566.98 *6*	(1/2⁻,3/2,5/2⁻)	A	Jπ: 2057.0γ to 5/2⁻, 2463.5γ to 1/2⁻.
2577.65 *12*		A	
2578.43 *7*		A	
2580.89 *8*		A	
2586.74 *7*		A	
2587.97 *7*	(3/2⁻,5/2,7/2⁻)	A	Jπ: 1864.4γ to 3/2⁻, 2164.0γ to (7/2)⁻.
2609.88 *8*		A	
2620.11 *8*	(5/2⁺,7/2,9/2⁻)	A	Jπ: 2005.2γ to (9/2)⁺, 2419.3γ to 5/2⁻.
2625.76 *7*		A	
2649.01 *11*		A	
2673.71 *11*		A	
2726.2[b] *8*	(29/2)⁻	B	Jπ: γ to (25/2)⁻; band structure.
2748.53 *11*		A	
2761.33 *11*	(1/2,3/2,5/2⁻)	A	Jπ: 2657.9γ to 1/2⁻.
2762.31 *11*		A	
2764.93 *9*	(1/2⁻,3/2,5/2⁻)	A	Jπ: 2563.8γ to 5/2⁻, 2661.7γ to 1/2⁻.
2765.74 *9*		A	
2766.45 *12*		A	
2792.99 *7*	(1/2⁻,3/2,5/2⁻)	A	Jπ: 2591.8γ to 5/2⁻, 2689.5γ to 1/2⁻.
2804.69 *7*	(1/2⁻,3/2,5/2⁻)	A	Jπ: 2603.7γ to 5/2⁻, 2701.3γ to 1/2⁻.
2805.9[&] *6*	(29/2)⁻	B	Jπ: γ to (25/2)⁻; band structure.
2831.60 *11*		A	
2833.1[@] *5*	(35/2)⁺	B	Jπ: 343.2γ (M1+E2) to (33/2)⁺; band structure.
3086.8[#] *5*	(37/2)⁺	B	Jπ: 253.7γ (M1+E2) to (35/2)⁺; band structure.
3131.4[†] *5*	(33/2⁻)	B	Jπ: 860.5γ (E1) to (31/2)⁺; band structure.
3287.2[b] *9*	(33/2)⁻	B	Jπ: γ to (29/2)⁻; band structure.
3294.3[‡] *5*	(35/2⁻)	B	Jπ: 804.4γ (E1) to (33/2)⁺; band structure.
3453.5[@] *5*	(39/2)⁺	B	Jπ: 366.7γ (M1+E2) to (37/2)⁺; band structure.
3511.4[†] *5*	(37/2⁻)	B	Jπ: 678.3γ (E1) to (35/2)⁺; band structure.
3725.0[‡] *5*	(39/2⁻)	B	Jπ: 430.7γ (E2) to (35/2⁻); band structure.
3755.5[#] *6*	(41/2)⁺	B	Jπ: 302.0γ (M1+E2) to (39/2)⁺; band structure.
3872.2[b] *9*	(37/2)⁻	B	Jπ: γ to (33/2)⁻; band structure.
3990.7[†] *6*	(41/2⁻)	B	Jπ: γ to (37/2⁻) and (39/2⁻) states; band structure.
4146.7[@] *6*	(43/2)⁺	B	Jπ: γ to (39/2)⁺ and (41/2)⁺ states; band structure.
4263.2[‡] *6*	(43/2⁻)	B	Jπ: γ to (39/2⁻) and (41/2⁻) states; band structure.
4501.1[#] *6*	(45/2)⁺	B	Jπ: γ to (41/2)⁺ and (43/2)⁺ states; band structure.
4564.6[†] *6*	(45/2⁻)	B	Jπ: 573.9γ (E2) to (41/2⁻); band structure.
4902.2[‡] *6*	(47/2⁻)	B	Jπ: γ to (43/2⁻); band structure.
4913.6[@] *6*	(47/2)⁺	B	Jπ: γ to (43/2)⁺ and (45/2)⁺ states; band structure.

[†] Band(A): K^{π}=(33/2⁻) possible three-quasiparticle configuration; α=+1/2.
[‡] Band(a): K^{π}=(33/2⁻) possible three-quasiparticle configuration; α=−1/2.

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Adopted Levels, Gammas (continued)

^{185}Pt Levels (continued)

[#] Band(B): 9/2(624) g.s. rotational band; α=+1/2.
[@] Band(b): 9/2(624) g.s. rotational band; α=−1/2.
[&] Band(C): 7/2(503) rotational band; α=+1/2.
[a] Band(c): 7/2(503) rotational band; α=−1/2.
[b] Band(D): 1/2(521) rotational band; α=+1/2.
[c] Band(d): 1/2(521) rotational band; α=−1/2.
[d] Band(E): 1/2(510) rotational band; α=+1/2.
[e] Band(e): 1/2(510) rotational band; α=−1/2.
[f] Band(F): 7/2(514) rotational band.
[g] Band(G): 5/2(512) rotational band.
[h] J^π assignments are based on γ-ray multipolarities and decay patterns, on $\gamma\gamma(\theta$,H), and on assumed rotational structure. Specific arguments are given with individual levels.
[i] From ^{185}Au ε decay, except for levels populated in ^{173}Yb(^{16}O,4nγ), ^{174}Yb(^{16}O,5nγ) only.

γ(^{185}Pt)

E$_i$(level)	J^π_i	E$_\gamma$[†]	I$_\gamma$[†]	E$_f$	J^π_f	Mult.[‡]	δ[‡]	α[@]
94.79	(11/2)$^+$	94.8 *1*	100	0.0	9/2$^+$	M1+E2	0.50	7.70
181.09	3/2$^-$	77.7 *1*	100	103.41	1/2$^-$	M1+E2	1.7	11.1
200.89	5/2$^-$	19.8 *1*	11 *6*	181.09	3/2$^-$	M1		145
		97.5 *1*	100 *10*	103.41	1/2$^-$	E2		5.53
212.22	(13/2)$^+$	117.4 *1*	100	94.79	(11/2)$^+$	M1		4.37
310.58	7/2$^-$	109.7 *1*	0.4 *1*	200.89	5/2$^-$	M1+E2	0.65	4.74
		129.5 *1*	0.6 *1*	181.09	3/2$^-$			
		310.6 *1*	100 *10*	0.0	9/2$^+$	E1		0.0241
373.2	(15/2)$^+$	161.1[#]	100[#] *7*	212.22	(13/2)$^+$	(M1+E2)	−0.30 *7*	1.68
		278.3[#]	100[#] *15*	94.79	(11/2)$^+$	(E2)		0.125
387.91	(1/2)$^-$	187.1 *1*	3.3 *7*	200.89	5/2$^-$	E2		0.457
		206.9 *1*	100 *10*	181.09	3/2$^-$	M1		0.88
		284.6[&] *1*	≤6.3	103.41	1/2$^-$			
424.09	(7/2)$^-$	223.2 *1*	6.0 *6*	200.89	5/2$^-$	M1+E2	1.7	0.367
		243.1 *1*	100 *10*	181.09	3/2$^-$	E2		0.190
435.39	3/2$^-$	47.4 *1*	0.04 *3*	387.91	(1/2)$^-$	E2		153
		234.5 *1*	3.4 *3*	200.89	5/2$^-$	M1+E2		0.42 *21*
		254.3 *1*	33 *3*	181.09	3/2$^-$	M1		0.497
		332.0 *1*	100 *10*	103.41	1/2$^-$	M1+E2	0.58	0.198
450.17	(7/2)$^-$	139.6 *4*	100	310.58	7/2$^-$	M1		2.66
451.87	(9/2)$^-$	27.8 *1*		424.09	(7/2)$^-$			
		251.1 *1*	100 *10*	200.89	5/2$^-$	E2		0.172
		451.9[&] *1*	3.5 *7*	0.0	9/2$^+$			
486.78	(9/2)$^-$	176.2 *1*	100 *10*	310.58	7/2$^-$	M1+E2	−0.25	1.33
		285.9 *1*	≤1.1	200.89	5/2$^-$			
		392.0 *1*	19.1 *19*	94.79	(11/2)$^+$	E1		0.0141
		486.9 *1*	26 *3*	0.0	9/2$^+$	E1		0.0088
488.41	5/2$^-$	53.0 *1*	1.0 *5*	435.39	3/2$^-$	M1		7.85
		64.2 *1*	1.3 *4*	424.09	(7/2)$^-$	M1+E2	0.50	10.5
		100.4 *1*	0.4 *1*	387.91	(1/2)$^-$	E2		4.90
		287.5 *1*	44 *4*	200.89	5/2$^-$	M1		0.355
		307.4 *1*	22.9 *23*	181.09	3/2$^-$	M1+E2	0.33	0.276
		385.0 *1*	100 *10*	103.41	1/2$^-$	E2		0.0490
510.08	5/2$^-$	122.1 *1*	0.2	387.91	(1/2)$^-$			
		199.4 *1*	3.7 *4*	310.58	7/2$^-$	M1+E2	2.0	0.488
		309.1 *1*	100 *10*	200.89	5/2$^-$	M1+E2	0.33	0.272

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Adopted Levels, Gammas (continued)

$\gamma(^{185}Pt)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ[‡]	α[@]
510.08	5/2⁻	329.1 1	80 8	181.09	3/2⁻	M1+E2	0.58	0.203
		406.7 1	12.1 12	103.41	1/2⁻			
521.29	3/2⁻	85.9 1	1.6 3	435.39	3/2⁻	M1		10.7
		133.4 1	0.9 2	387.91	(1/2)⁻	M1		3.03
		210.8 1	0.9 2	310.58	7/2⁻	E2		0.304
		320.2 1	4.5 9	200.89	5/2⁻	M1		0.265
		340.3 1	30 3	181.09	3/2⁻	M1+E0		
		417.9 1	100 10	103.41	1/2⁻	M1+E2	3.0	0.0484
530.6	(17/2)⁺	157.4[#]	34.9[#] 13	373.2	(15/2)⁺	(M1+E2)	−0.28 6	1.81
		318.5[#]	100.0[#] 21	212.22	(13/2)⁺	(E2)		0.0836
575.89	(9/2)⁻	89.1 1	5.3 11	486.78	(9/2)⁻	M1+E2	1.5	8.5
		125.7 1	9.3 19	450.17	(7/2)⁻	M1+E2	0.33	3.43
		265.3 1	100 10	310.58	7/2⁻	M1+E2	0.42	0.398
		375.0 1	19 4	200.89	5/2⁻			
590.71	7/2⁻	102.3 1	1.8 4	488.41	5/2⁻	M1+E2	0.65	5.90
		155.0 1	1.5 3	435.39	3/2⁻	E2		0.90
		280.1 1	1.8 4	310.58	7/2⁻	M1+E2		0.25 13
		389.8 1	100 10	200.89	5/2⁻	M1+E2	1.1	0.096
593.32	5/2⁻	83.3 1	2.1 4	510.08	5/2⁻			
		158.0 1	1.4 3	435.39	3/2⁻	M1		1.87
		169.2 1	8.9 9	424.09	(7/2)⁻	M1+E2	0.50	1.36
		205.4 1	3.6 7	387.91	(1/2)⁻	E2		0.332
		282.7 1	10.7 11	310.58	7/2⁻	M1+E2	1.0	0.245
		392.5 1	18.9 19	200.89	5/2⁻	M1+E0		
		412.3 1	78 8	181.09	3/2⁻	E2		0.0408
		490.0 1	100 10	103.41	1/2⁻	E2		0.0262
614.80	(9/2)⁺	402.5 1	7.7 15	212.22	(13/2)⁺			
		520.0 1	100 10	94.79	(11/2)⁺	E2		0.0227
		614.8 1	52 5	0.0	9/2⁺			
615.65	(7/2)⁻	105.6 1	22.7 23	510.08	5/2⁻	M1+E2	0.42	5.63
		163.7 1	2.7 5	451.87	(9/2)⁻			
		191.6 1	6.0 12	424.09	(7/2)⁻	M1		1.09
		305.0 1	7.3 15	310.58	7/2⁻	E2		0.095
		414.8 1	100 10	200.89	5/2⁻	M1+E2	0.58	0.109
		434.6 1	4.7 9	181.09	3/2⁻			
		615.7 1	87 9	0.0	9/2⁺			
645.38	1/2⁻	257.4 1	1.1 2	387.91	(1/2)⁻			
		444.5 1	34 3	200.89	5/2⁻	E2		0.0335
		464.3 1	100 10	181.09	3/2⁻	M1		0.098
		542.0 1	≤3	103.41	1/2⁻	E0+M1		
657.40	(9/2,11/2)⁺	445.1 1	27 5	212.22	(13/2)⁺			
		562.5 1	42 8	94.79	(11/2)⁺	M1		0.0597
		657.6 1	100 10	0.0	9/2⁺	M1+E2		0.027 14
659.26	3/2⁻	138.2 1	4.5 9	521.29	3/2⁻	M1		2.73
		235.1 1	0.5 1	424.09	(7/2)⁻			
		348.7 1	16.4 16	310.58	7/2⁻	E2		0.0644
		458.3 1	19.1 19	200.89	5/2⁻	M1+E2		0.07 4
		478.2 1	63 6	181.09	3/2⁻	M1		0.091
		555.9 4	100 10	103.41	1/2⁻	M1		0.0615
682.38	(11/2)⁻	195.6 1	44 9	486.78	(9/2)⁻	M1+E2	0.33	0.97
		371.8 1	41 8	310.58	7/2⁻	E2		0.0539
		682.4 1	100 10	0.0	9/2⁺	E1		0.00439
693.05	(5/2)⁺	693.0 1	100	0.0	9/2⁺	E2		0.0118
699.54	5/2⁻	178.2 1	7.1 14	521.29	3/2⁻	M1+E2	0.33	1.26
		311.6 1	11.4 23	387.91	(1/2)⁻	E2		0.089

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Adopted Levels, Gammas (continued)

γ(^{185}Pt) (continued)

E$_i$(level)	J^π_i	E$_γ$†	I$_γ$†	E$_f$	J^π_f	Mult.‡	δ‡	α@
699.54	5/2−	388.8 1	2.1 4	310.58	7/2−	M1		0.157
		498.7 1	18.6 19	200.89	5/2−	E2		0.0251
		518.5 1	59 6	181.09	3/2−	M1+E2	0.65	0.0587
		596.2 1	100 10	103.41	1/2−	(E2)		0.0165
706.62	(7/2)+	611.8 1	28 10	94.79	(11/2)+	E2		0.0156
		706.6 1	100 10	0.0	9/2+	M1		0.0331
723.54	3/2−	202.2 1	2.9 6	521.29	3/2−	M1		0.94
		288.2 1	1.2 2	435.39	3/2−	E0+M1		
		299.4 1	5.2 10	424.09	(7/2)−	E2		0.100
		335.4 1	5.2 10	387.91	(1/2)−	M1+E2		0.15 8
		542.4 1	100 10	181.09	3/2−	E0+M1		
		620.1 1	9.2 18	103.41	1/2−			
728.01	(5/2)−	340.1 1	0.5 1	387.91	(1/2)−			
		527.2 1	100 10	200.89	5/2−	M1+E2	1.2	0.0415
		547.0 1	39 4	181.09	3/2−	M1+E2		0.042 22
		624.7 1	22.8 23	103.41	1/2−			
743.69	(7/2,9/2,11/2)−	256.9 1	100 20	486.78	(9/2)−	M1+E2		0.32 17
		433.1 1	67 13	310.58	7/2−	E2		0.0358
746.15	+	651.4 1	100 10	94.79	(11/2)+	E2		0.0135
		746.1 1	22 4	0.0	9/2+			
746.30	(7/2,9/2)−	130.6 1	100 20	615.65	(7/2)−	M1+E2	0.50	2.91
		155.6 1	27 5	590.71	7/2−	E2		0.89
		236.3 1	93 19	510.08	5/2−	E2		0.209
		294.4 1	73 15	451.87	(9/2)−	M1		0.333
		322.2 1	33 7	424.09	(7/2)−	M1+E2		0.17 9
752.9	(19/2)+	222.3#	41.8# 11	530.6	(17/2)+	(M1+E2)	−0.33 8	0.675 21
		379.7#	100.0# 21	373.2	(15/2)+	(E2)		0.0509
756.95	(7/2,9/2)−	268.5 1	100 10	488.41	5/2−	E2		0.139
		305.1 1	62 6	451.87	(9/2)−	M1+E2	0.73	0.230
757.71	5/2−	236.4 1	3 1	521.29	3/2−	M1+E2		0.41 20
		322.5 1	8 2	435.39	3/2−	M1		0.260
		333.5 1	15 1	424.09	(7/2)−	M1		0.237
		369.8 1	5 1	387.91	(1/2)−	E2		0.0547
		556.9 1	100 10	200.89	5/2−	M1+E0		
		576.7 1	36 4	181.09	3/2−			
		654.2 1	54 5	103.41	1/2−	E2		0.0134
767.74	+	672.9 1	100 10	94.79	(11/2)+	E2		0.0126
		767.7 1	81 8	0.0	9/2+	E2		0.0095
778.51	(7/2)−	185.4 1	6 1	593.32	5/2−	E2		0.472
		187.8 1	8 2	590.71	7/2−	M1+E2	0.33	1.08
		257.2 1	11 2	521.29	3/2−	E2		0.159
		290.3 1	70 7	488.41	5/2−	M1+E2	0.65	0.276
		291.6 1	6 1	486.78	(9/2)−	M1+E2		0.22 12
		326.6 1	10 2	451.87	(9/2)−	M1+E2		0.16 9
		343.2 1	35 4	435.39	3/2−	E2		0.0674
		354.5 1	67 7	424.09	(7/2)−	M1+E2	1.0	0.131
		467.9 1	8 2	310.58	7/2−	E2(+M1)		0.06 4
		577.5 1	39 4	200.89	5/2−	M1+E2		0.037 19
		597.2 1	100 10	181.09	3/2−	E2		0.0164
785.41	5/2−	126.1 1	6 1	659.26	3/2−	M1+E2	0.65	3.08
		264.3 1	21 2	521.29	3/2−	M1		0.447
		275.4 1	13 3	510.08	5/2−	M1+E2	0.65	0.319
		297.0 1	3 1	488.41	5/2−	M1		0.325
		298.6 1	7 1	486.78	(9/2)−	E2		0.101
		350.0 1	10 2	435.39	3/2−	M1		0.208

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Adopted Levels, Gammas (continued)

γ(^{185}Pt) (continued)

E$_i$(level)	J$^\pi_i$	E$_\gamma$†	I$_\gamma$†	E$_f$	J$^\pi_f$	Mult.‡	δ‡	α@
785.41	5/2⁻	361.4 *1*	12 *2*	424.09	(7/2)⁻	M1+E2	1.0	0.125
		474.8 *1*	20 *2*	310.58	7/2⁻	E2		0.0283
		584.5 *4*	36 *4*	200.89	5/2⁻	E0+M1		
		604.3 *4*	100 *10*	181.09	3/2⁻	E2		0.0160
794.30	7/2⁺,9/2⁺,11/2⁺	794.3 *1*	100	0.0	9/2⁺	M1+E2		0.017 *8*
800.78	(9/2)⁻	224.8 *1*	≤1	575.89	(9/2)⁻	E0		
		313.9 *1*	11 *2*	486.78	(9/2)⁻	E0+M1		
		350.7 *1*	26 *5*	450.17	(7/2)⁻	M1+E2		0.14 *8*
		490.2 *4*	100 *10*	310.58	7/2⁻	M1+E2	2.0	0.0380
816.09	(5/2)⁻	157.0 *1*	7 *1*	659.26	3/2⁻	M1		1.91
		200.5 *1*	21 *2*	615.65	(7/2)⁻	M1+E2		0.7 *3*
		222.8 *1*	10 *2*	593.32	5/2⁻	M1+E2	0.58	0.599
		364.2 *1*	5 *1*	451.87	(9/2)⁻	E2		0.0570
		380.7 *1*	13 *3*	435.39	3/2⁻	M1+E2		0.11 *6*
		391.9 *1*	13 *3*	424.09	(7/2)⁻	E2		0.0467
		428.1 *1*	5 *1*	387.91	(1/2)⁻	E2		0.0369
		505.3 *1*	12 *2*	310.58	7/2⁻	E2		0.0244
		615.3 *1*	55 *6*	200.89	5/2⁻	E2		0.0154
		635.1 *1*	100 *10*	181.09	3/2⁻	E2		0.0143
		712.6 *4*	30 *15*	103.41	1/2⁻			
817.1	(13/2)⁻	366.2#	100	451.87	(9/2)⁻			
846.73	(7/2)⁻	394.9 *1*	11 *1*	451.87	(9/2)⁻	M1+E2	1.7	0.0721
		422.8 *1*	11 *1*	424.09	(7/2)⁻	M1+E2		0.08 *5*
		645.8 *1*	100 *10*	200.89	5/2⁻	E2		0.0138
		665.5 *1*	5 *1*	181.09	3/2⁻			
874.38	(7/2,9/2,11/2)⁻	283.6 *1*	67 *13*	590.71	7/2⁻	E2		0.118
		422.6 *1*	100 *20*	451.87	(9/2)⁻	M1+E2	2.0	0.0558
879.3	(13/2)⁻	197.6#	35# *5*	682.38	(11/2)⁻			
		392.8#	100# *4*	486.78	(9/2)⁻	(E2)		0.0464
897.55	(5/2,7/2,9/2)⁻	304.3 *1*	91 *9*	593.32	5/2⁻	E2		0.095
		307.0 *1*	30 *6*	590.71	7/2⁻	M1+E2	1.7	0.144
		445.9 *1*	30 *6*	451.87	(9/2)⁻	E2(+M1)		0.07 *4*
		473.4 *1*	57 *11*	424.09	(7/2)⁻	E2		0.0286
		696.2 *1*	100 *10*	200.89	5/2⁻	E2		0.0117
914.22	5/2⁻	255.1 *1*	13 *3*	659.26	3/2⁻	M1+E2	1.5	0.262
		526.1 *1*	2	387.91	(1/2)⁻			
		603.7 *1*	100 *10*	310.58	7/2⁻	M1+E2		0.033 *17*
915.60	(7/2)⁻	187.5 *1*	7 *1*	728.01	(5/2)⁻	M1		1.16
		322.3 *1*	47 *9*	593.32	5/2⁻	M1		0.260
		427.2 *1*	19 *4*	488.41	5/2⁻	M1		0.122
		428.7 *1*	44 *9*	486.78	(9/2)⁻	E2		0.0368
		463.7 *1*	33 *7*	451.87	(9/2)⁻	E2		0.0301
		480.5 *1*	16 *3*	435.39	3/2⁻	E2		0.0275
		491.5 *1*	100 *10*	424.09	(7/2)⁻	M1+E2	2.0	0.0377
		915.5 *1*	51 *5*	0.0	9/2⁺			
938.5	(21/2)⁺	185.6#	15.3# *9*	752.9	(19/2)⁺	(M1+E2)	−0.26 *8*	1.14 *3*
		407.9#	100.0# *23*	530.6	(17/2)⁺	(E2)		0.0420
942.79	(7/2)⁻	456.3 *1*	6 *1*	486.78	(9/2)⁻			
		490.9 *1*	10 *2*	451.87	(9/2)⁻	M1		0.085
		518.8 *1*	100 *10*	424.09	(7/2)⁻	M1+E2		0.05 *3*
		632.2 *1*	9 *2*	310.58	7/2⁻	M1(+E0)		
		741.8 *1*	49 *5*	200.89	5/2⁻			
		761.5 *1*	27 *3*	181.09	3/2⁻			
954.56	(1/2)⁻	231.2 *1*	83 *17*	723.54	3/2⁻	M1		0.646

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Adopted Levels, Gammas (continued)

$\gamma(^{185}Pt)$ (continued)

E_i(level)	J^π_i	E_γ†	I_γ†	E_f	J^π_f	Mult.‡	δ‡	α@
954.56	(1/2)$^-$	519.2 *1*	100 *20*	435.39	3/2$^-$	M1+E2		0.05 *3*
		566.5 *1*	≤8	387.91	(1/2)$^-$	E0		
955.49	(9/2,11/2)$^+$	248.8 *1*	12 *2*	706.62	(7/2)$^+$	E2		0.177
		340.6 *1*	8 *2*	614.80	(9/2)$^+$	M1		0.224
		743.4 *1*	33 *7*	212.22	(13/2)$^+$			
		860.6 *1*	47 *5*	94.79	(11/2)$^+$	E2		0.00747
		955.4 *1*	100 *10*	0.0	9/2$^+$	M1+E2		0.011 *5*
958.95	3/2$^-$	299.8 *1*	30 *6*	659.26	3/2$^-$	M1+E2		0.21 *11*
		313.5 *1*	28 *6*	645.38	1/2$^-$	M1+E2	1.7	0.136
		365.8 *1*	35 *7*	593.32	5/2$^-$	M1		0.185
		523.5 *1*	43 *9*	435.39	3/2$^-$	E0+M1		
		570.9 *1*	35 *7*	387.91	(1/2)$^-$	M1+E2	1.5	0.0300
		855.2& *1*	100 *10*	103.41	1/2$^-$	E2		0.00758
961.51	(5/2)$^+$	255.0 *1*	84 *8*	706.62	(7/2)$^+$	M1+E2	0.42	0.444
		268.3 *1*	9 *2*	693.05	(5/2)$^+$	E0+M1		
		346.8 *1*	40 *8*	614.80	(9/2)$^+$	E2		0.0654
		961.5 *1*	100 *10*	0.0	9/2$^+$	E2		0.00598
968.78	(5/2,7/2,9/2)$^-$	378.0 *1*	6 *1*	590.71	7/2$^-$	E2		0.0515
		516.9 *1*	100 *10*	451.87	(9/2)$^-$	E2		0.0231
		544.7 *1*	12 *8*	424.09	(7/2)$^-$	M1+E2		0.043 *23*
		768.0 *1*	17 *3*	200.89	5/2$^-$			
972.87	3/2$^-$	537.5 *1*	100	435.39	3/2$^-$	E0		
996.83	(5/2)$^-$	268.7 *1*	5 *1*	728.01	(5/2)$^-$	M1		0.427
		508.5 *1*	32 *15*	488.41	5/2$^-$	(E0+M1)		
		572.9 *1*	35 *3*	424.09	(7/2)$^-$	M1+E2		0.037 *20*
		609.0 *1*	24 *5*	387.91	(1/2)$^-$	E2		0.0157
		795.8 *1*	71 *7*	200.89	5/2$^-$			
		815.7 *1*	100 *10*	181.09	3/2$^-$	M1+E2		0.016 *8*
1015.69	1/2$^-$,3/2$^-$,5/2$^-$	494.4 *1*	100	521.29	3/2$^-$	M1(+E0)		
1021.78	7/2$^-$	535.0 *1*	24 *5*	486.78	(9/2)$^-$	E2		0.0212
		711.2 *1*	100 *10*	310.58	7/2$^-$	E0+M1		
1032.05	7/2$^-$	304.1 *1*	15 *3*	728.01	(5/2)$^-$	E2		0.096
		580.1 *1*	16 *3*	451.87	(9/2)$^-$	M1+E2		0.036 *19*
		596.8 *1*	56 *6*	435.39	3/2$^-$	E2		0.0165
		607.8 *1*	29 *6*	424.09	(7/2)$^-$	E0+M1		
		721.4 *1*	≤11	310.58	7/2$^-$	E0		
		831.1 *1*	96 *10*	200.89	5/2$^-$	M1+E2		0.015 *7*
		851.1 *1*	100 *10*	181.09	3/2$^-$	E2		0.00765
1032.51	5/2$^-$	308.9 *1*	25 *5*	723.54	3/2$^-$	E2		0.091
		387.1 *1*	23 *5*	645.38	1/2$^-$	E2		0.0483
		439.3 *1*	21 *4*	593.32	5/2$^-$	E0+M1		
		441.8 *1*	10 *2*	590.71	7/2$^-$	M1+E2	1.0	0.0730
		522.5 *1*	100 *10*	510.08	5/2$^-$	M1+E2		0.047 *25*
		928.8 *1*	48 *5*	103.41	1/2$^-$			
1039.90	+	945.2 *1*	100 *10*	94.79	(11/2)$^+$	E2		0.00618
		1039.8 *1*	33 *3*	0.0	9/2$^+$			
1058.52	3/2$^-$	399.2 *1*	52 *10*	659.26	3/2$^-$	M1+E2		0.10 *6*
		413.3 *1*	29 *6*	645.38	1/2$^-$	E2		0.0405
		467.7 *1*	19 *4*	590.71	7/2$^-$	E2		0.0294
		537.2 *1*	14 *3*	521.29	3/2$^-$	E0		
		548.4 *1*	100 *10*	510.08	5/2$^-$	M1+E2		0.042 *22*
		623.1 *1*	≤5	435.39	3/2$^-$	E0		
		670.7 *1*	57 *11*	387.91	(1/2)$^-$	M1		0.0379
		747.9& *1*	62 *12*	310.58	7/2$^-$			
1060.72	(7/2)$^+$	292.9 *1*	9 *2*	767.74	+	M1+E2		0.22 *12*

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Adopted Levels, Gammas (continued)

$\gamma(^{185}Pt)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[†]	E_f	J^π_f	Mult.[‡]	δ[‡]	α[@]
1060.72	(7/2)+	354.0 *1*	11 *2*	706.62	(7/2)+	M1+E2		0.13 *7*
		367.9 *1*	16 *3*	693.05	(5/2)+	M1+E2		0.12 *7*
		965.9 *1*	36 *7*	94.79	(11/2)+			
		1060.7 *1*	100 *10*	0.0	9/2+	M1+E2		0.008 *4*
1065.36	7/2−	449.8 *1*	64 *13*	615.65	(7/2)−	M1(+E2)		0.07 *4*
		474.7 *1*	≤14	590.71	7/2−	E0		
		555.3 *1*	100 *20*	510.08	5/2−	M1+E2		0.041 *22*
		641.2 *1*	86 *17*	424.09	(7/2)−			
		864.5 *1*	86 *17*	200.89	5/2−			
		884.2 *1*	86 *17*	181.09	3/2−			
1068.32	(7/2,9/2)−	616.5 *1*	100 *10*	451.87	(9/2)−	M1		0.0470
		867.4 *1*	48 *10*	200.89	5/2−			
1083.39	(3/2,5/2)−	562.2 *1*	33 *7*	521.29	3/2−	M1		0.0597
		633.4 *1*	31 *6*	450.17	(7/2)−	E2		0.0144
		695.6 *1*	13 *3*	387.91	(1/2)−			
		979.5 *1*	100 *10*	103.41	1/2−			
1090.5	(15/2)−	211.2[#]		879.3	(13/2)−			
		408.8[#]		682.38	(11/2)−			
1097.47	−	645.6 *1*	100 *20*	451.87	(9/2)−	E2		0.0138
		673.7 *1*	35 *7*	424.09	(7/2)−			
1116.40	5/2−,7/2−,9/2−	666.1 *1*	45 *9*	450.17	(7/2)−	M1		0.0385
		805.9 *1*	100 *10*	310.58	7/2−	M1+E2		0.016 *8*
1123.79	(3/2,5/2)−	602.6 *1*	94 *19*	521.29	3/2−	M1+E2		0.033 *17*
		673.6 *1*	100 *20*	450.17	(7/2)−	E2		0.0126
		735.8 *1*	47 *9*	387.91	(1/2)−			
1125.98	(1/2,3/2)+	433.0 *1*	100 *20*	693.05	(5/2)+	E2		0.0358
		738.0 *1*	40 *8*	387.91	(1/2)−			
1136.87	(7/2,9/2,11/2)−	685.0 *1*	62 *12*	451.87	(9/2)−	M1		0.0359
		712.8 *1*	100 *20*	424.09	(7/2)−			
1151.61	(1/2,3/2,5/2−)	763.7 *1*	100	387.91	(1/2)−			
1158.37		708.2 *1*	100	450.17	(7/2)−			
1159.14	(1/2,3/2,5/2−)	723.7 *1*	100 *10*	435.39	3/2−			
		771.3 *1*	31 *6*	387.91	(1/2)−			
1161.95	+	468.9 *1*	100	693.05	(5/2)+	E2		0.0292
1162.41	(1/2,3/2,5/2−)	774.5 *1*	100	387.91	(1/2)−			
1179.55	1/2−,3/2−,5/2−	520.3 *1*	100 *20*	659.26	3/2−	M1+E2		0.05 *3*
		691.1 *1*	41 *8*	488.41	5/2−			
1187.41	(3/2,5/2,7/2)−	459.4 *1*	22 *13*	728.01	(5/2)−	M1		0.101
		876.7 *1*	78 *16*	310.58	7/2−	E2		0.00720
		986.6 *1*	96 *10*	200.89	5/2−			
		1006.4 *1*	100 *10*	181.09	3/2−			
1194.09		1099.3 *1*	100	94.79	(11/2)+			
1195.93	(3/2,5/2,7/2)+	489.3 *1*	100 *20*	706.62	(7/2)+	E2		0.0263
		502.9 *1*	33 *7*	693.05	(5/2)+	M1(+E2)		0.05 *3*
1196.61		708.0 *1*	57 *11*	488.41	5/2−			
		995.9 *1*	100 *20*	200.89	5/2−			
1198.49	1/2−,3/2−,5/2−	677.1 *1*	60 *12*	521.29	3/2−	M1		0.0369
		710.0 *1*	50 *10*	488.41	5/2−			
		1017.6 *1*	100 *20*	181.09	3/2−			
1209.19		699.0 *1*	31 *6*	510.08	5/2−			
		773.9 *1*	100 *20*	435.39	3/2−			
1209.91	(1/2,3/2,5/2−)	822.0 *1*	100	387.91	(1/2)−			
1211.56	(7/2,9/2)−	635.7 *1*	46 *9*	575.89	(9/2)−	E2		0.0143
		723.0 *1*	17 *3*	488.41	5/2−			
		724.9 *1*	100 *10*	486.78	(9/2)−	M1+E2	1.2	0.0189

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Adopted Levels, Gammas (continued)

$\gamma(^{185}Pt)$ (continued)

E_i(level)	J^π_i	E_γ †	I_γ †	E_f	J^π_f	Mult. ‡	δ ‡	α @
1214.9	(23/2)+	276.4#	24.0# 9	938.5	(21/2)+	(M1+E2)	−0.36 10	0.365 16
		462.0#	100# 4	752.9	(19/2)+	(E2)		0.0304
1216.8	(3/2,5/2,7/2)+	523.8 1	100	693.05	(5/2)+	M1		0.0718
1223.75	(5/2,7/2)−	495.7 1	73 15	728.01	(5/2)−	M1		0.0827
		735.4 1	64 13	488.41	5/2−			
		788.3 1	100 20	435.39	3/2−			
		799.7 1	91 18	424.09	(7/2)−	M1		0.0241
1226.61	(3/2)−	498.5 1	14 3	728.01	(5/2)−	M1		0.0815
		738.1 1	24 5	488.41	5/2−			
		838.7 1	38 8	387.91	(1/2)−	M1		0.0214
		1025.7 1	100 10	200.89	5/2−			
		1045.7 1	72 7	181.09	3/2−			
1233.30		1138.5 1	100	94.79	(11/2)+			
1234.18	(9/2)−	747.4 1	100	486.78	(9/2)−	E0+M1		
1240.80		626.0 1	100	614.80	(9/2)+			
1249.60	(5/2,7/2,9/2)+	455.3 1	100 10	794.30	7/2+,9/2+,11/2+	M1+E2	0.82	0.0745
		542.9 1	62 12	706.62	(7/2)+	M1+E2	1.2	0.0386
		556.6 1	21 4	693.05	(5/2)+			
1255.35	−	596.1 1	100	659.26	3/2−	E2		0.0165
1256.49		1075.4 1	100	181.09	3/2−			
1273.20		1072.3 1	100	200.89	5/2−			
1273.4	(17/2)−	456.3#	100#	817.1	(13/2)−	(E2)		0.0313
1276.47		841.1 1	100	435.39	3/2−			
1283.80	(1/2−,3/2,5/2−)	773.7 1	100 10	510.08	5/2−			
		848.4 1	62 12	435.39	3/2−			
		895.9 1	29 6	387.91	(1/2)−			
		1180.4 1	95 19	103.41	1/2−			
1294.20		1093.3 1	100	200.89	5/2−			
1296.50	(3/2)+	603.6 1	12 2	693.05	(5/2)+	M1		0.0497
		1192.9 1	100 10	103.41	1/2−			
1314.0	(17/2)−	223.4#		1090.5	(15/2)−			
		434.6#	100# 3	879.3	(13/2)−	(E2)		0.0355
1314.05		825.8 1	64 13	488.41	5/2−			
		878.6 1	100 20	435.39	3/2−			
1319.80		1225.0 1	100	94.79	(11/2)+			
1322.69	(5/2,7/2)+	528.3 1	75 15	794.30	7/2+,9/2+,11/2+	M1+E2		0.046 25
		616.2 1	100 20	706.62	(7/2)+	M1		0.0471
		629.6 1	50 10	693.05	(5/2)+	M1(+E0)		
1324.62	(7/2,9/2,11/2)−	838.0 1	88 18	486.78	(9/2)−	M1		0.0214
		874.3 1	100 20	450.17	(7/2)−			
1335.78	(1/2−,3/2,5/2−)	612.2 1	100	723.54	3/2−			
		742.3 1	92 18	593.32	5/2−			
		900.5 1	77 15	435.39	3/2−			
		948.2 1	46 9	387.91	(1/2)−			
1345.70		1250.9 1	100	94.79	(11/2)+			
1370.35	(3/2,5/2,7/2)+	677.3 1	100	693.05	(5/2)+	M1		0.0369
1384.48	(1/2,3/2,5/2−)	739.1 1	100	645.38	1/2−			
1391.74	−	664.2 1	100 20	728.01	(5/2)−	E2		0.0129
		904.5 1	57 11	488.41	5/2−			
1406.11	(3/2,5/2)−	982.3 1	31 6	424.09	(7/2)−			
		1018.1 1	38 8	387.91	(1/2)−			
		1224.9 1	100 20	181.09	3/2−			
1412.11	7/2−,9/2−	821.2 1	25 5	590.71	7/2−	M1		0.0226
		1412.3 1	100 10	0.0	9/2+			

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Adopted Levels, Gammas (continued)

γ(^{185}Pt) (continued)

E_i(level)	J^π_i	E_γ†	I_γ†	E_f	J^π_f	Mult.‡	δ‡	α@
1417.4	$(25/2)^+$	202.5#	10.0# 4	1214.9	$(23/2)^+$	(M1+E2)	−0.17 3	0.915
		478.9#	100# 3	938.5	$(21/2)^+$	(E2)		0.0279
1442.80		1348.0 1	100	94.79	$(11/2)^+$			
1446.89		1265.8 1	100	181.09	$3/2^-$			
1450.20	$(3/2^-,5/2,7/2^-)$	859.7 1	40 8	590.71	$7/2^-$			
		1268.9 1	100 20	181.09	$3/2^-$			
1505.69		782.2 1	8 2	723.54	$3/2^-$			
		1070.3 1	37 4	435.39	$3/2^-$			
		1304.8 1	27 3	200.89	$5/2^-$			
		1324.6 1	100 10	181.09	$3/2^-$			
1518.67	$(3/2,5/2,7/2)^+$	724.4 1	100 20	794.30	$7/2^+,9/2^+,11/2^+$	E2		0.0107
		825.6 1	75 15	693.05	$(5/2)^+$	M1		0.0223
1540.88		1054.1 1	100	486.78	$(9/2)^-$			
1552.0	$(19/2)^-$	238.1#		1314.0	$(17/2)^-$			
		461.5#		1090.5	$(15/2)^-$			
1564.60	$^+$	770.3 1	100	794.30	$7/2^+,9/2^+,11/2^+$	M1		0.0266
1567.19		1256.6 1	100	310.58	$7/2^-$			
1582.41		1381.5 1	100	200.89	$5/2^-$			
1667.90		1243.8 1	100	424.09	$(7/2)^-$			
1726.60		1302.5 1	100	424.09	$(7/2)^-$			
1733.0	$(27/2)^+$	315.6#	35# 4	1417.4	$(25/2)^+$	(M1+E2)	−0.15 3	0.271
		518.1#	100# 3	1214.9	$(23/2)^+$	(E2)		0.0229
1757.70		1556.8 1	100	200.89	$5/2^-$			
1776.28		1289.5 1	100	486.78	$(9/2)^-$			
1786.4	$(21/2)^-$	513.0#	100#	1273.4	$(17/2)^-$			
1805.4	$(21/2)^-$	253.4#		1552.0	$(19/2)^-$			
		491.5#		1314.0	$(17/2)^-$			
1940.4	$(29/2)^+$	207.4#	8.2# 10	1733.0	$(27/2)^+$	M1(+E2)	−0.11 11	0.866
		523.0#	100# 3	1417.4	$(25/2)^+$	(E2)		0.0224
1961.90		1780.8 1	100	181.09	$3/2^-$			
2048.8	$(23/2)^-$	243.4#		1805.4	$(21/2)^-$			
		496.8#		1552.0	$(19/2)^-$			
2109.08		1673.7 1	100	435.39	$3/2^-$			
2256.3	$(25/2)^-$	469.9#	100#	1786.4	$(21/2)^-$			
2270.9	$(31/2)^+$	330.5#	31.0# 21	1940.4	$(29/2)^+$	(M1+E2)	−0.27 8	0.232 7
		537.9#	100# 3	1733.0	$(27/2)^+$	(E2)		0.0210
2314.4	$(25/2)^-$	265.6#		2048.8	$(23/2)^-$			
		509.0#		1805.4	$(21/2)^-$			
2315.84	$(5/2,7/2)^-$	1863.9 1	33 7	451.87	$(9/2)^-$			
		2134.8 1	100 10	181.09	$3/2^-$			
2484.39	$(1/2,3/2,5/2^-)$	1839.0 1	100	645.38	$1/2^-$			
2489.9	$(33/2)^+$	219.0#	12.6# 8	2270.9	$(31/2)^+$	(M1+E2)	−0.18 8	0.736
		549.5#	100# 2	1940.4	$(29/2)^+$	(E2)		0.0199
2536.63		1808.6 1	100	728.01	$(5/2)^-$			
2539.77		1745.5 1	71 7	794.30	$7/2^+,9/2^+,11/2^+$			
		1846.6 1	26 5	693.05	$(5/2)^+$			
		2029.7 1	61 12	510.08	$5/2^-$			
		2229.2 1	100 10	310.58	$7/2^-$			
2540.35		2053.7 1	53 11	486.78	$(9/2)^-$			
		2540.2 1	100 10	0.0	$9/2^+$			

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

$\gamma(^{185}Pt)$ (continued)

E_i(level)	J^π_i	E_γ†	I_γ†	E_f	J^π_f
2548.3	(27/2)$^-$	233.9#		2314.4	(25/2)$^-$
		499.5#		2048.8	(23/2)$^-$
2549.11		2125.0 *1*	100	424.09	(7/2)$^-$
2559.33	(3/2$^-$,5/2,7/2$^-$)	2135.2 *1*	100 *10*	424.09	(7/2)$^-$
		2378.3 *1*	100 *10*	181.09	3/2$^-$
2559.96	(5/2,7/2)$^-$	1836.3 *1*	32 *6*	723.54	3/2$^-$
		2071.3 *1*	51 *10*	488.41	5/2$^-$
		2073.6 *1*	54 *11*	486.78	(9/2)$^-$
		2109.7 *1*	100 *10*	450.17	(7/2)$^-$
2561.48	(3/2$^-$,5/2,7/2$^-$)	1868.5 *1*	37 *7*	693.05	(5/2)$^+$
		1970.5 *1*	27 *5*	590.71	7/2$^-$
		2126.3 *1*	19 *4*	435.39	3/2$^-$
		2360.6 *1*	100 *10*	200.89	5/2$^-$
2566.98	(1/2$^-$,3/2,5/2$^-$)	1843.2 *1*	51 *10*	723.54	3/2$^-$
		1867.4 *1*	32 *6*	699.54	5/2$^-$
		1907.6 *1*	92 *9*	659.26	3/2$^-$
		2057.0 *1*	97 *10*	510.08	5/2$^-$
		2179.3 *1*	35 *7*	387.91	(1/2)$^-$
		2463.5 *1*	100 *10*	103.41	1/2$^-$
2577.65		1809.9 *1*	100	767.74	$^+$
2578.43		1850.3 *1*	55 *11*	728.01	(5/2)$^-$
		2068.0 *1*	58 *12*	510.08	5/2$^-$
		2378.0 *1*	100 *10*	200.89	5/2$^-$
		2397.2 *1*	52 *10*	181.09	3/2$^-$
2580.89		2094.1 *1*	69 *14*	486.78	(9/2)$^-$
		2156.8 *1*	100 *10*	424.09	(7/2)$^-$
2586.74		1993.1 *1*	33 *7*	593.32	5/2$^-$
		2098.2 *1*	53 *11*	488.41	5/2$^-$
		2386.2 *1*	100 *10*	200.89	5/2$^-$
2587.97	(3/2$^-$,5/2,7/2$^-$)	1864.4 *1*	39 *8*	723.54	3/2$^-$
		1894.8 *1*	35 *7*	693.05	(5/2)$^+$
		2164.0 *4*	100 *10*	424.09	(7/2)$^-$
2609.88		1916.6 *1*	83 *17*	693.05	(5/2)$^+$
		2299.5 *1*	100 *20*	310.58	7/2$^-$
2620.11	(5/2$^+$,7/2,9/2$^-$)	2005.2 *1*	100 *10*	614.80	(9/2)$^+$
		2419.3 *1*	41 *4*	200.89	5/2$^-$
2625.76		1897.7 *1*	92 *9*	728.01	(5/2)$^-$
		2115.6 *1*	100 *10*	510.08	5/2$^-$
		2315.3 *1*	79 *16*	310.58	7/2$^-$
2649.01		2224.9 *1*	100	424.09	(7/2)$^-$
2673.71		2472.8 *1*	100	200.89	5/2$^-$
2726.2	(29/2)$^-$	469.9#	100#	2256.3	(25/2)$^-$
2748.53		2155.2 *1*	100	593.32	5/2$^-$
2761.33	(1/2,3/2,5/2$^-$)	2657.9 *1*	100	103.41	1/2$^-$
2762.31		2241.0 *1*	100	521.29	3/2$^-$
2764.93	(1/2$^-$,3/2,5/2$^-$)	2563.8 *1*	100 *20*	200.89	5/2$^-$
		2661.7 *1*	44 *9*	103.41	1/2$^-$
2765.74		2330.4 *1*	44 *9*	435.39	3/2$^-$
		2584.6 *1*	100 *20*	181.09	3/2$^-$
2766.45		2066.9 *1*	100	699.54	5/2$^-$
2792.99	(1/2$^-$,3/2,5/2$^-$)	2405.4 *1*	43 *9*	387.91	(1/2)$^-$
		2591.8 *1*	78 *16*	200.89	5/2$^-$
		2689.5 *1*	100 *10*	103.41	1/2$^-$
2804.69	(1/2$^-$,3/2,5/2$^-$)	2603.7 *1*	82 *16*	200.89	5/2$^-$
		2623.7 *1*	100 *10*	181.09	3/2$^-$

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

$\gamma(^{185}Pt)$ (continued)

E$_i$(level)	J$^\pi_i$	E$_\gamma$†	I$_\gamma$†	E$_f$	J$^\pi_f$	Mult.‡	δ‡	α@
2804.69	(1/2⁻,3/2,5/2⁻)	2701.3 *1*	73 *15*	103.41	1/2⁻			
2805.9	(29/2)⁻	491.5#	100#	2314.4	(25/2)⁻			
2831.60		2321.5 *1*	100	510.08	5/2⁻			
2833.1	(35/2)⁺	343.2#	54.9# *21*	2489.9	(33/2)⁺	(M1+E2)	−0.19 *8*	0.214
		562.2#	100# *3*	2270.9	(31/2)⁺	(E2)		0.0189
3086.8	(37/2)⁺	253.7#	14.2# *7*	2833.1	(35/2)⁺	(M1+E2)	−0.19 *8*	0.489
		596.9#	100# *3*	2489.9	(33/2)⁺	(E2)		0.0165
3131.4	(33/2⁻)	860.5#	100#	2270.9	(31/2)⁺	(E1)		0.00281
3287.2	(33/2)⁻	561.0#	100#	2726.2	(29/2)⁻			
3294.3	(35/2⁻)	162.9#		3131.4	(33/2⁻)			
		804.4#	100# *4*	2489.9	(33/2)⁺	(E1)		0.00319
3453.5	(39/2)⁺	366.7#	58# *3*	3086.8	(37/2)⁺	(M1+E2)	−0.10 *8*	0.183
		620.4#	100# *4*	2833.1	(35/2)⁺	(E2)		0.0151
3511.4	(37/2⁻)	217.1#	69# *4*	3294.3	(35/2⁻)			
		380.0#		3131.4	(33/2⁻)			
		678.3#	100# *4*	2833.1	(35/2)⁺	(E1)		0.00445
3725.0	(39/2⁻)	213.6#	100# *4*	3511.4	(37/2⁻)			
		430.7#	92# *4*	3294.3	(35/2⁻)	(E2)		0.0363
		638.2#		3086.8	(37/2)⁺			
3755.5	(41/2)⁺	302.0#	33.9# *17*	3453.5	(39/2)⁺	(M1+E2)	−0.13 *8*	0.307
		668.7#	100# *3*	3086.8	(37/2)⁺	(E2)		0.0128
3872.2	(37/2)⁻	585.0#	100#	3287.2	(33/2)⁻			
3990.7	(41/2⁻)	265.7#	100# *6*	3725.0	(39/2⁻)			
		479.3#		3511.4	(37/2⁻)			
4146.7	(43/2)⁺	391.2#	84# *9*	3755.5	(41/2)⁺			
		693.2#	100# *11*	3453.5	(39/2)⁺			
4263.2	(43/2⁻)	272.5#		3990.7	(41/2⁻)			
		538.2#		3725.0	(39/2⁻)			
4501.1	(45/2)⁺	354.4#	69# *10*	4146.7	(43/2)⁺			
		745.6#	100# *10*	3755.5	(41/2)⁺			
4564.6	(45/2⁻)	301.4#		4263.2	(43/2⁻)			
		573.9#	100# *3*	3990.7	(41/2⁻)	(E2)		0.0180
4902.2	(47/2⁻)	639.0#	100#	4263.2	(43/2⁻)			
4913.6	(47/2)⁺	412.5#	100# *31*	4501.1	(45/2)⁺			
		766.9#	76# *14*	4146.7	(43/2)⁺			

† From ^{185}Au ε decay, unless otherwise specified.

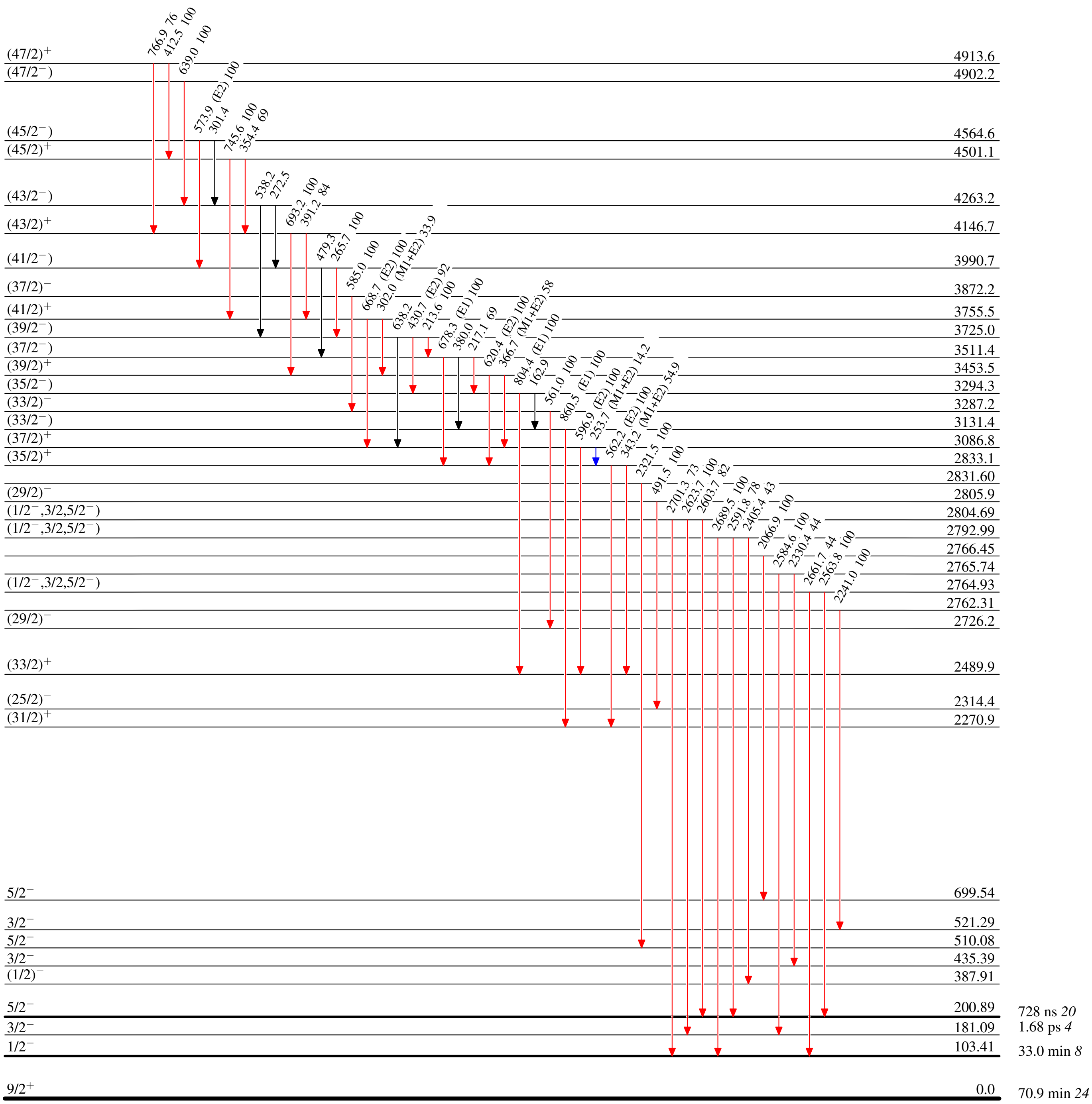
‡ From ce data in ^{185}Au ε decay, and γ-ray angular distributions in ^{173}Yb(^{16}O,4nγ).

From ^{173}Yb(^{16}O,4nγ).

@ Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

& Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

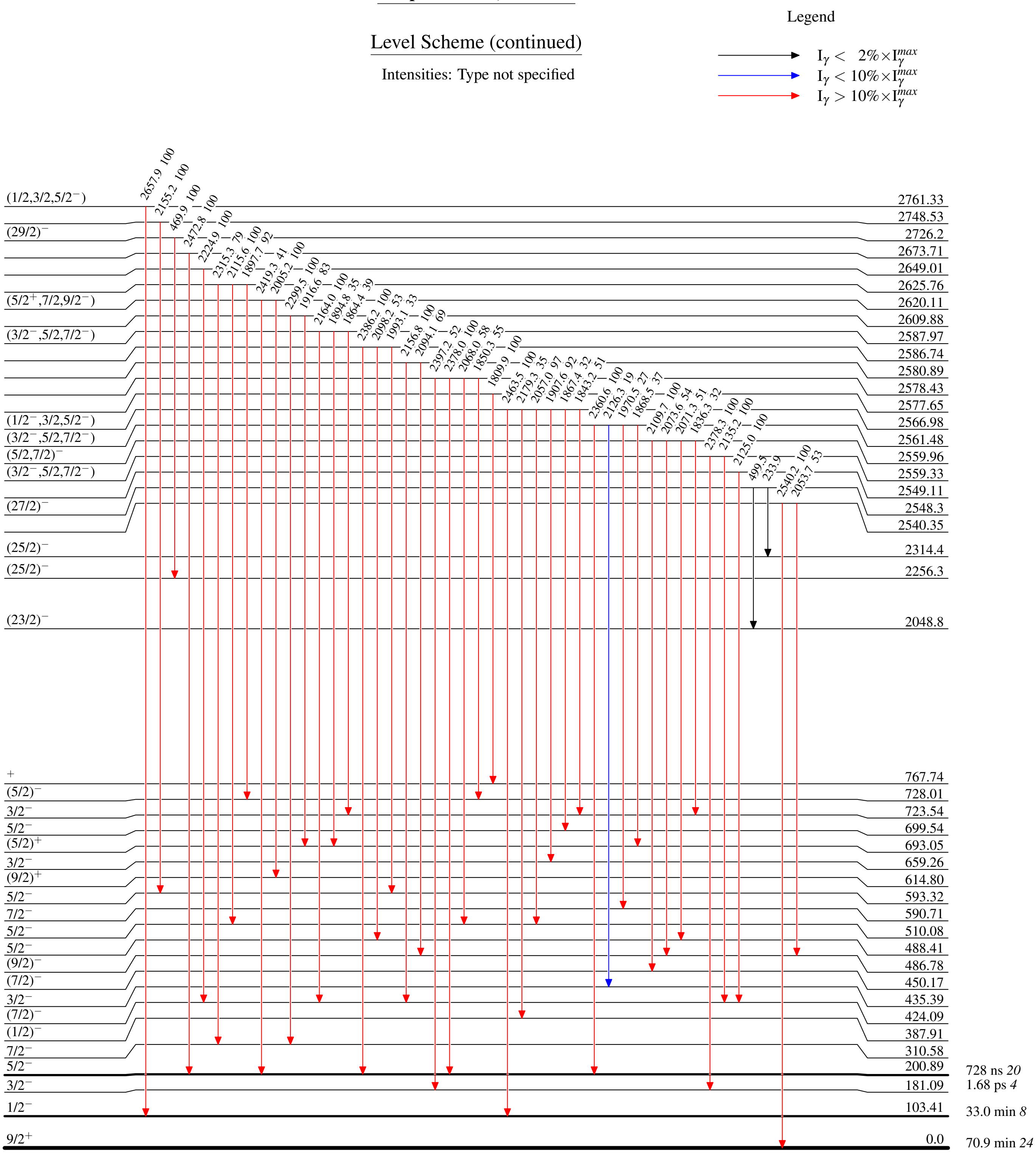


$^{185}_{78}Pt_{107}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

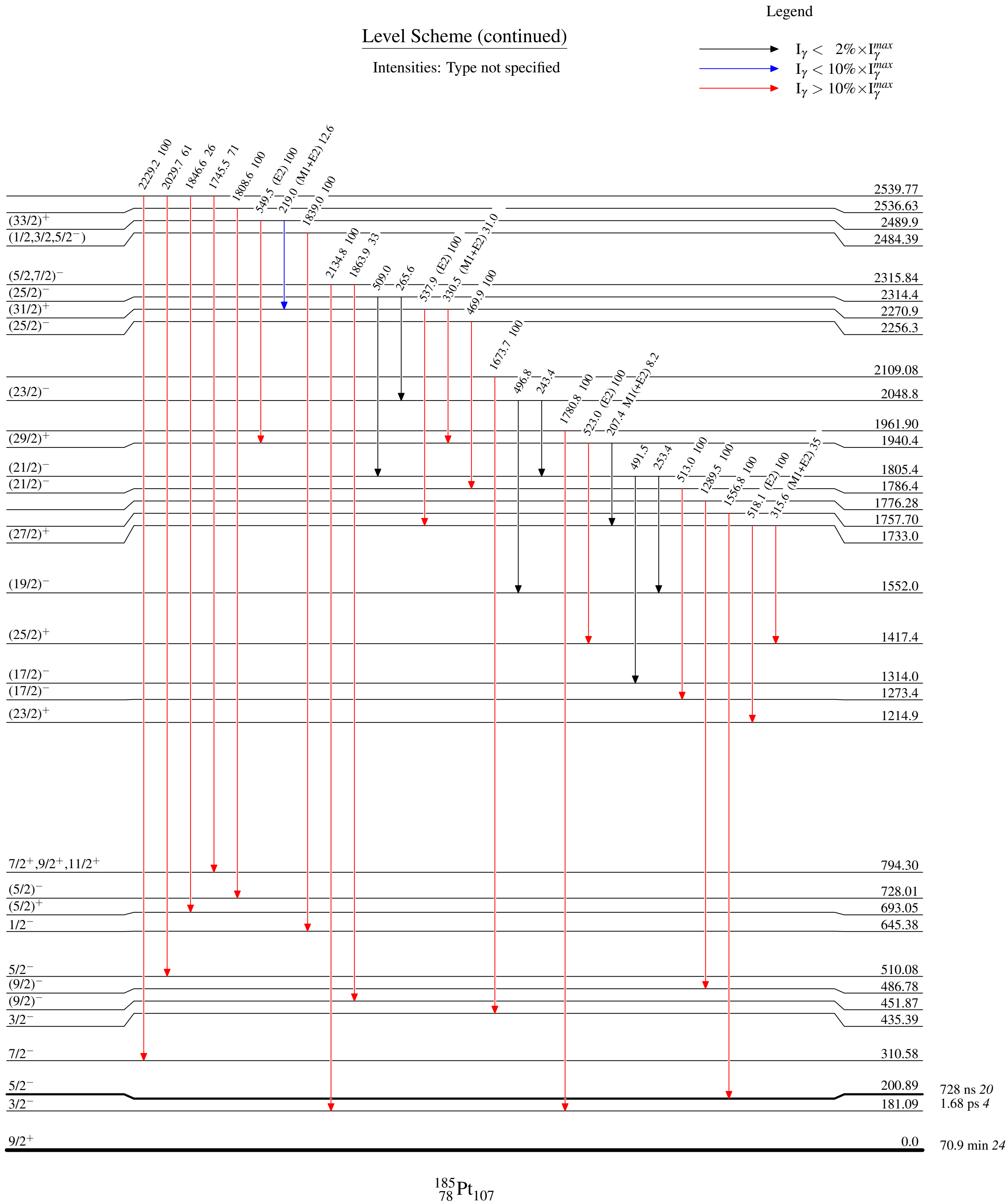


$^{185}_{78}Pt_{107}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



Adopted Levels, Gammas

Level Scheme (continued)

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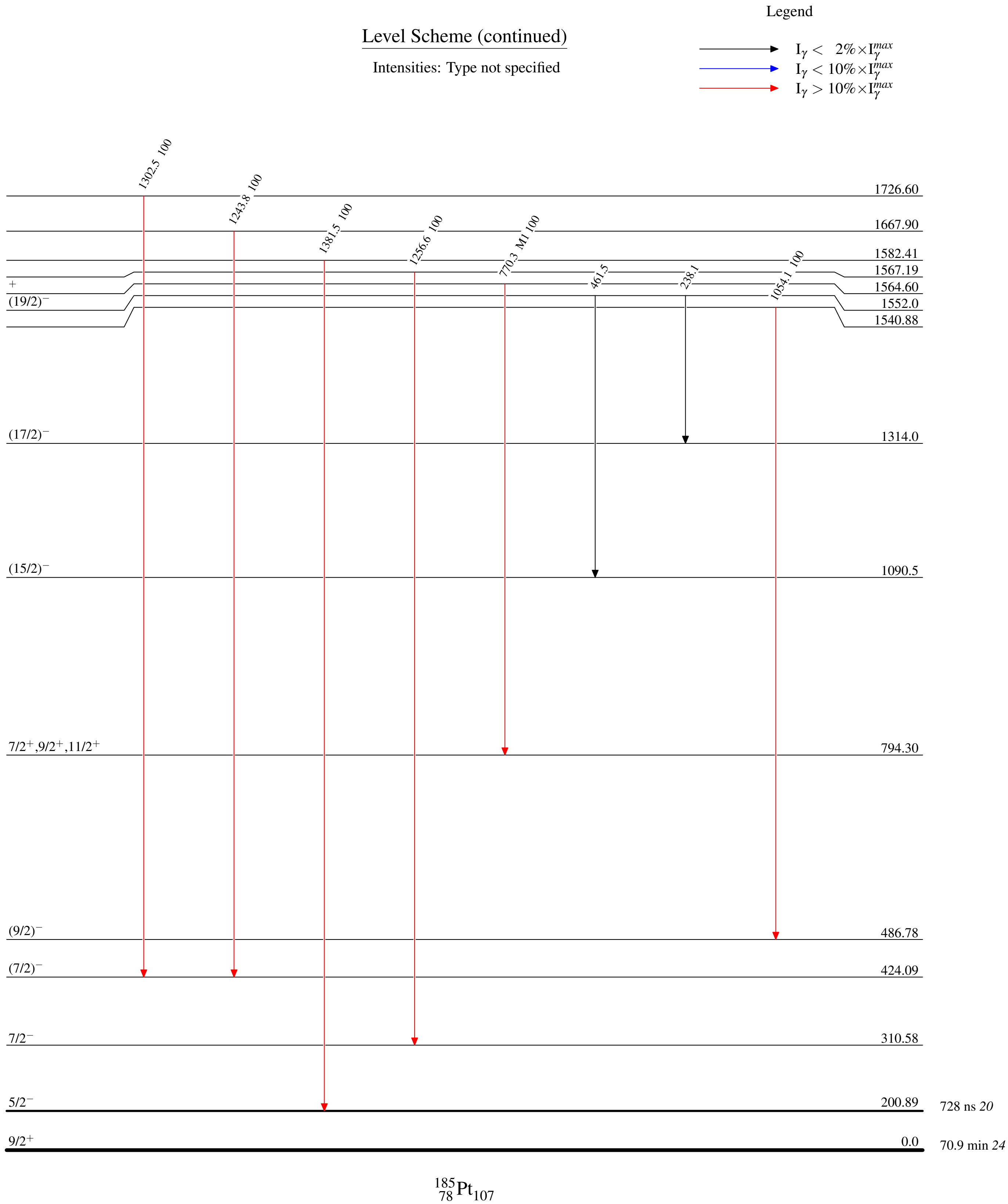
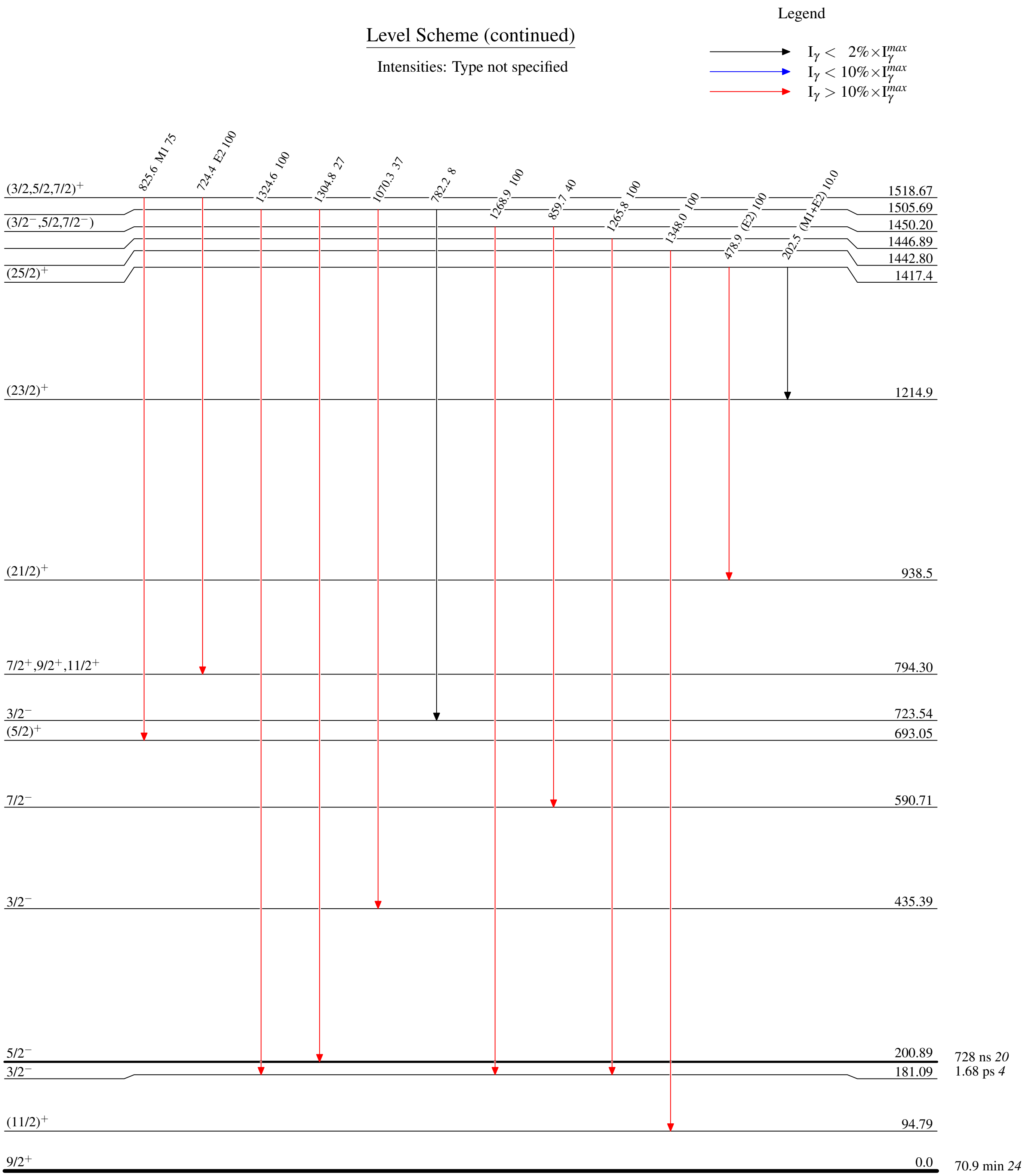


Adopted Levels, Gammas

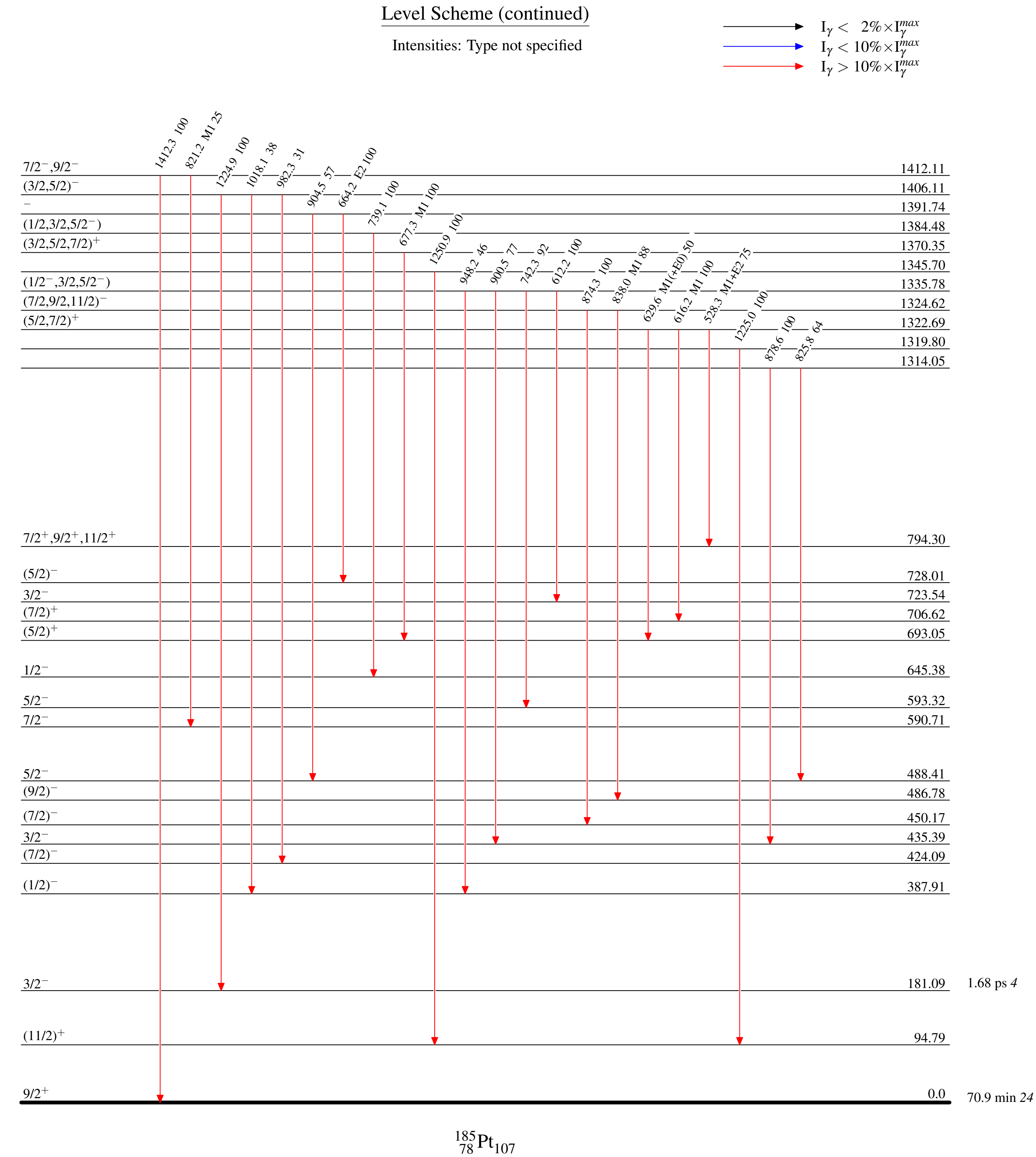
Level Scheme (continued)

Intensities: Type not specified



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

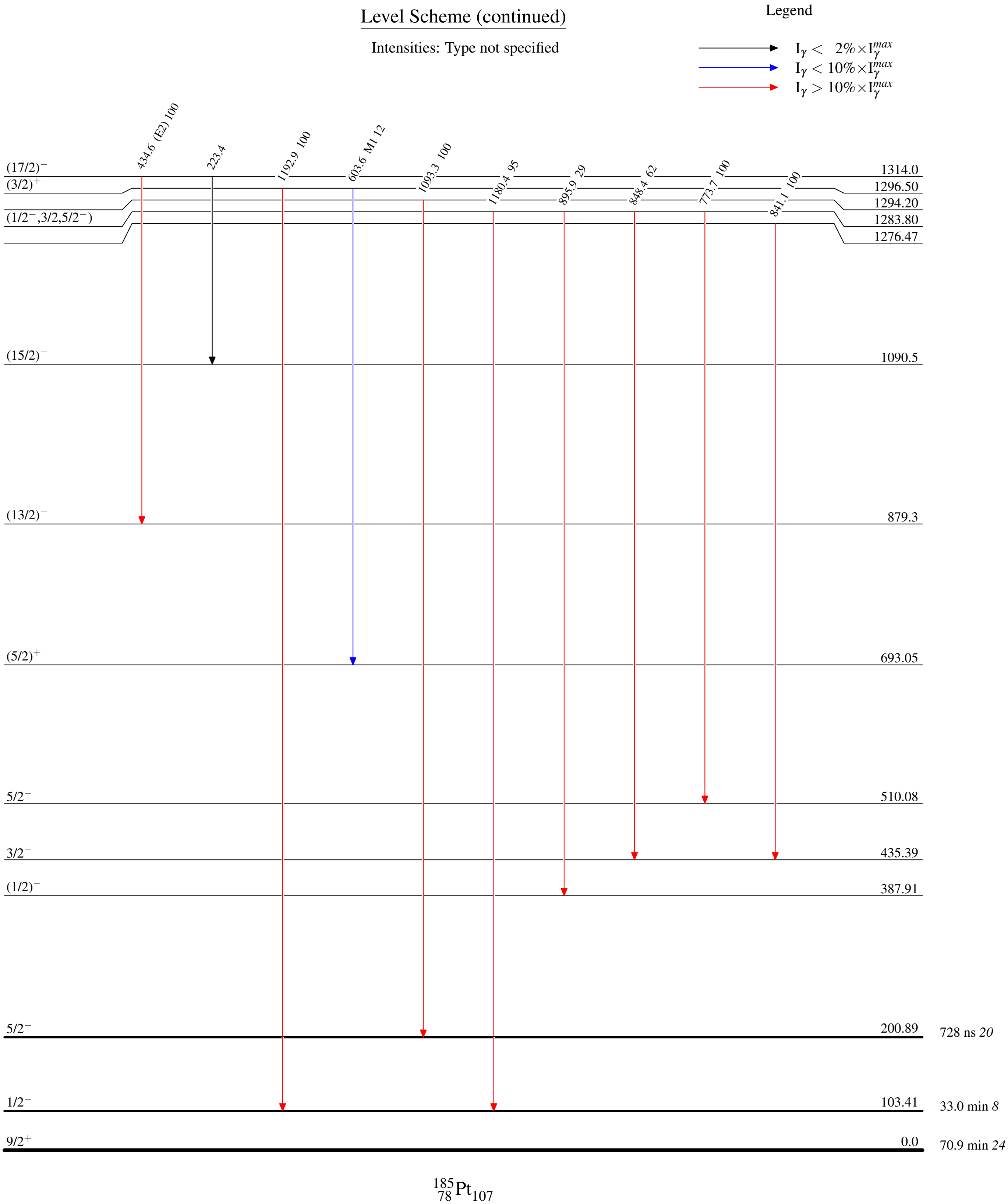
Adopted Levels, Gammas



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



Adopted Levels, Gammas

Level Scheme (continued)

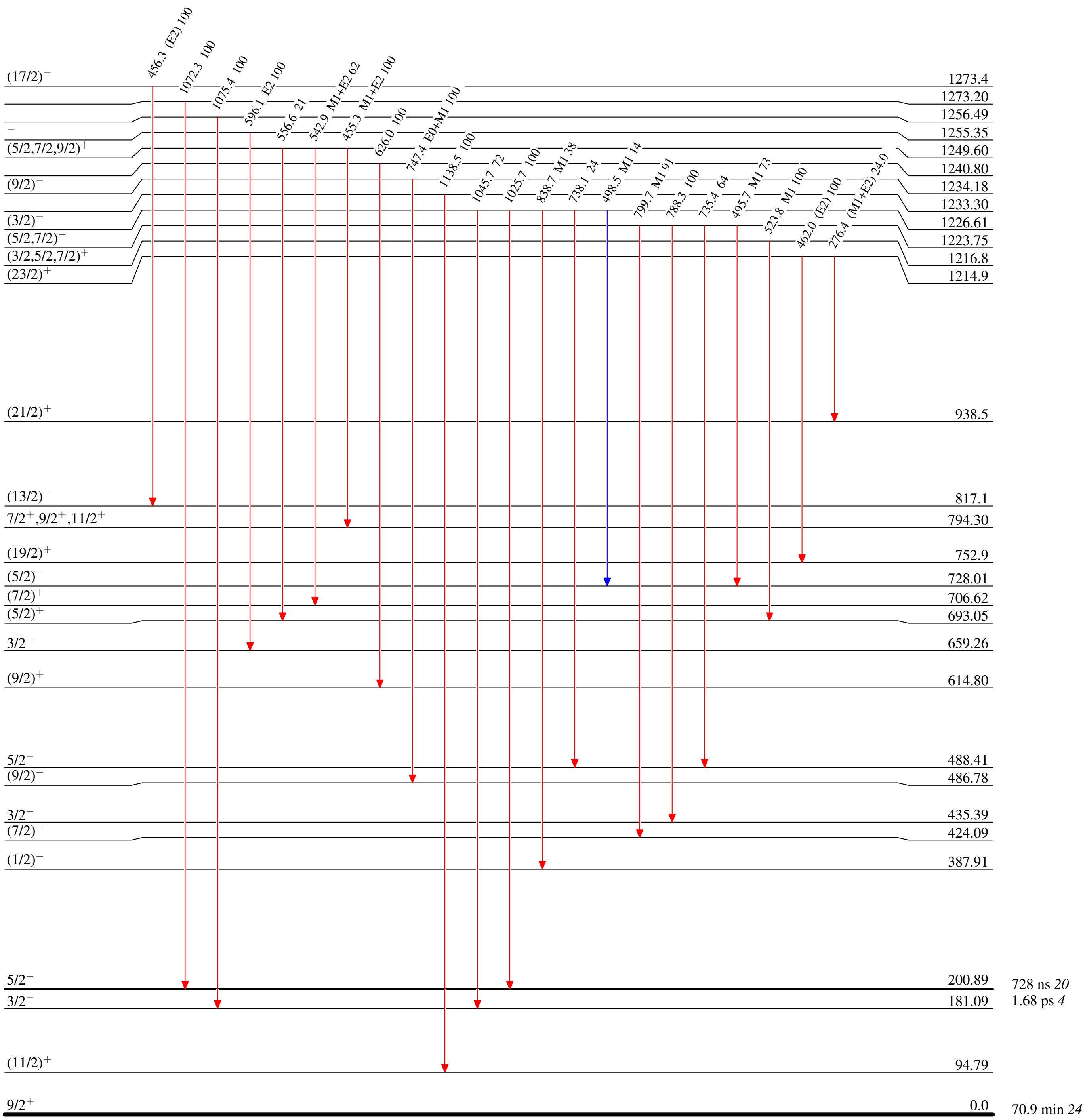
Intensities: Type not specified

Legend

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

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

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

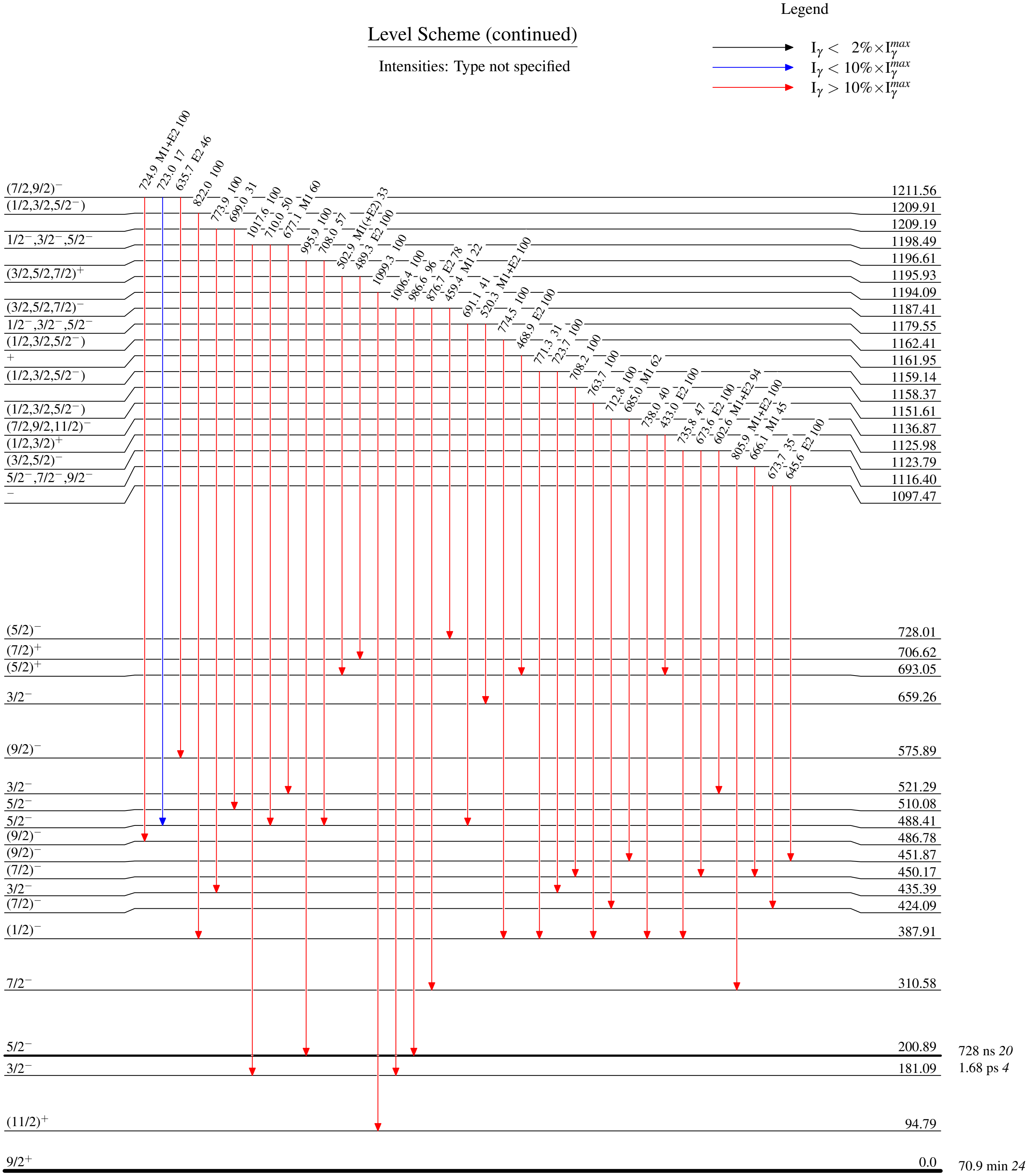


$^{185}_{78}Pt_{107}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



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

Adopted Levels, Gammas

Legend

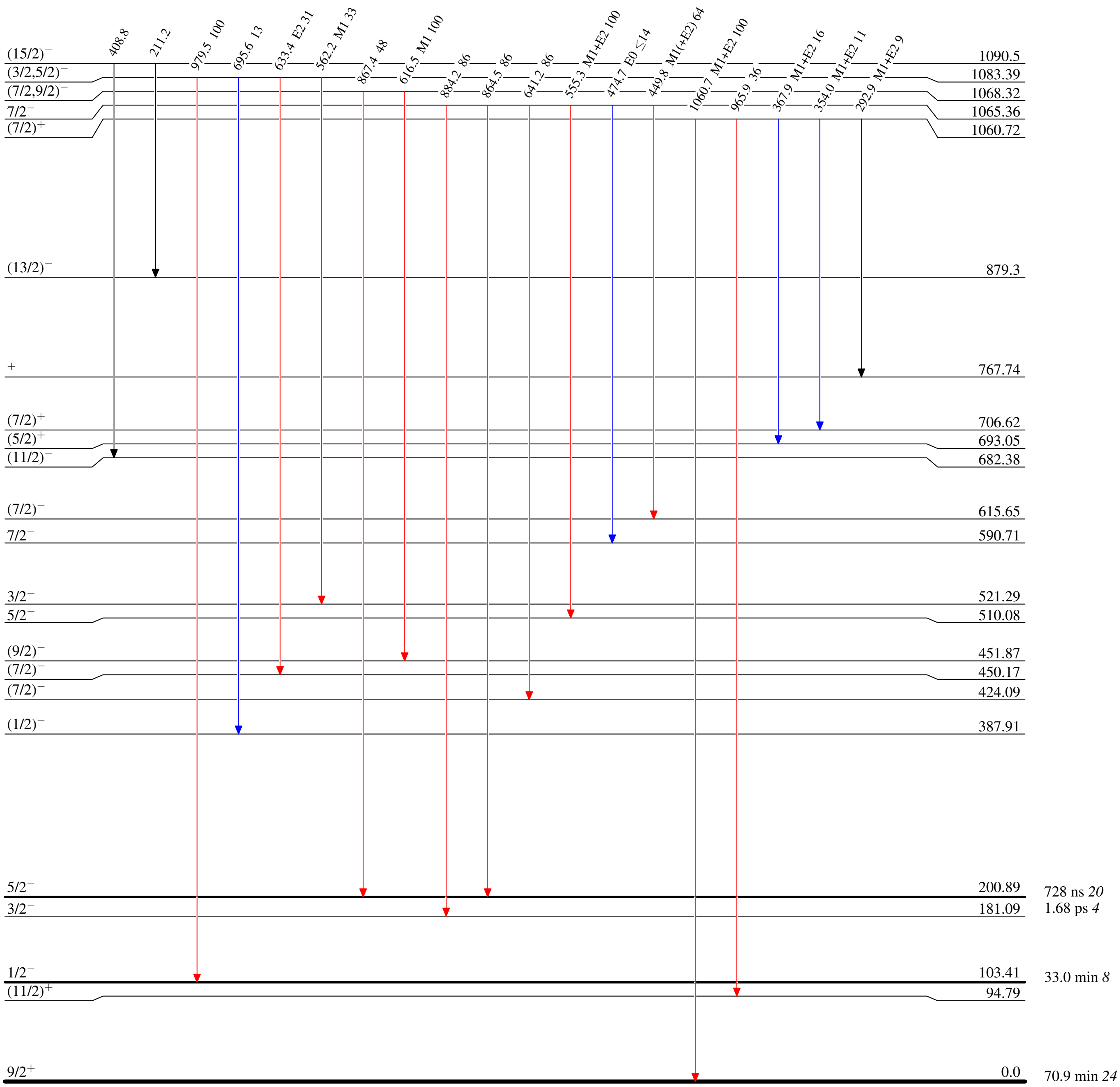
$I_\gamma < 2\% \times I_\gamma^{max}$

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

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

Level Scheme (continued)

Intensities: Type not specified

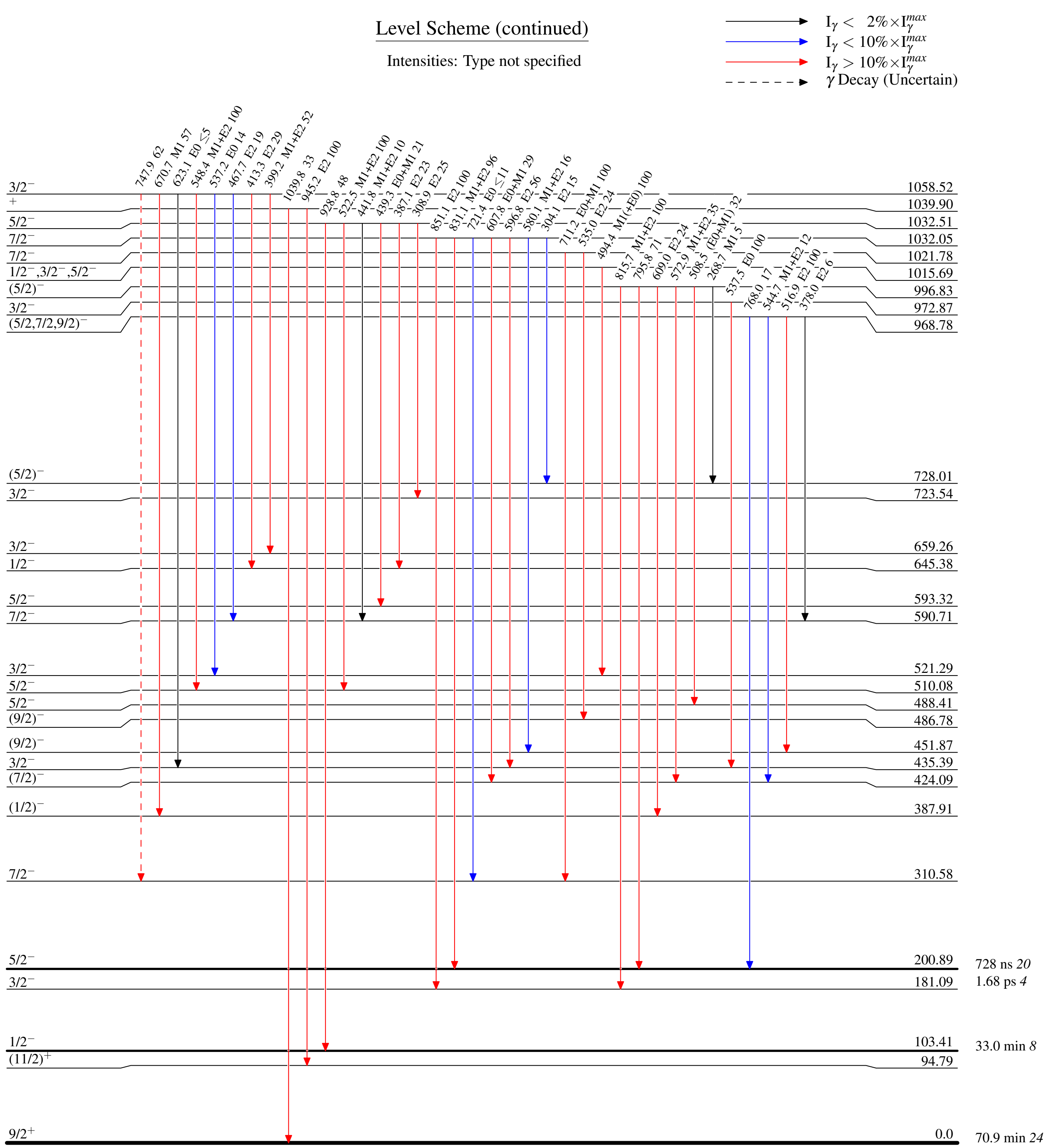


$^{185}_{78}Pt_{107}$

Adopted Levels, Gammas

Level Scheme (continued)

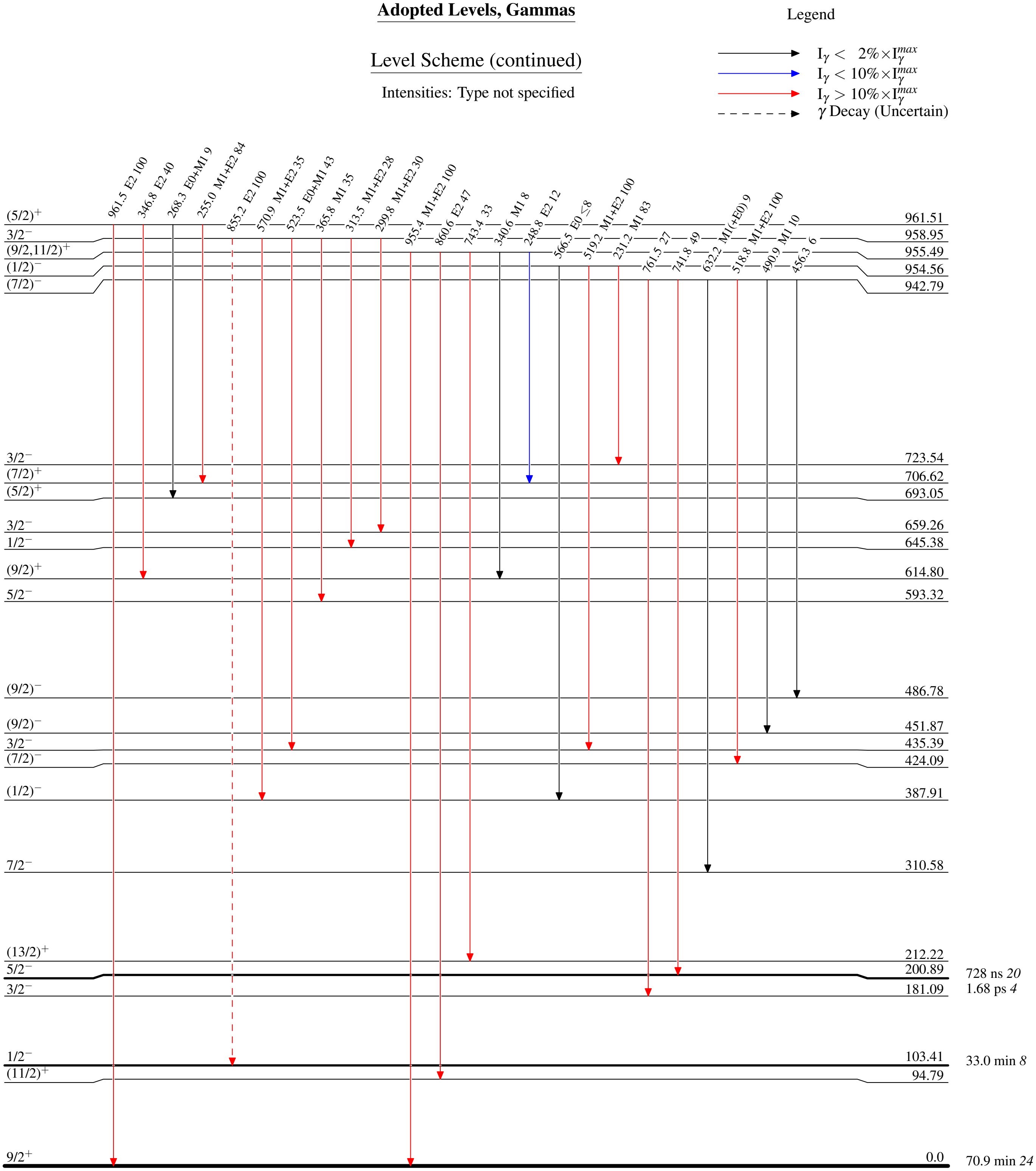
Intensities: Type not specified



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



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

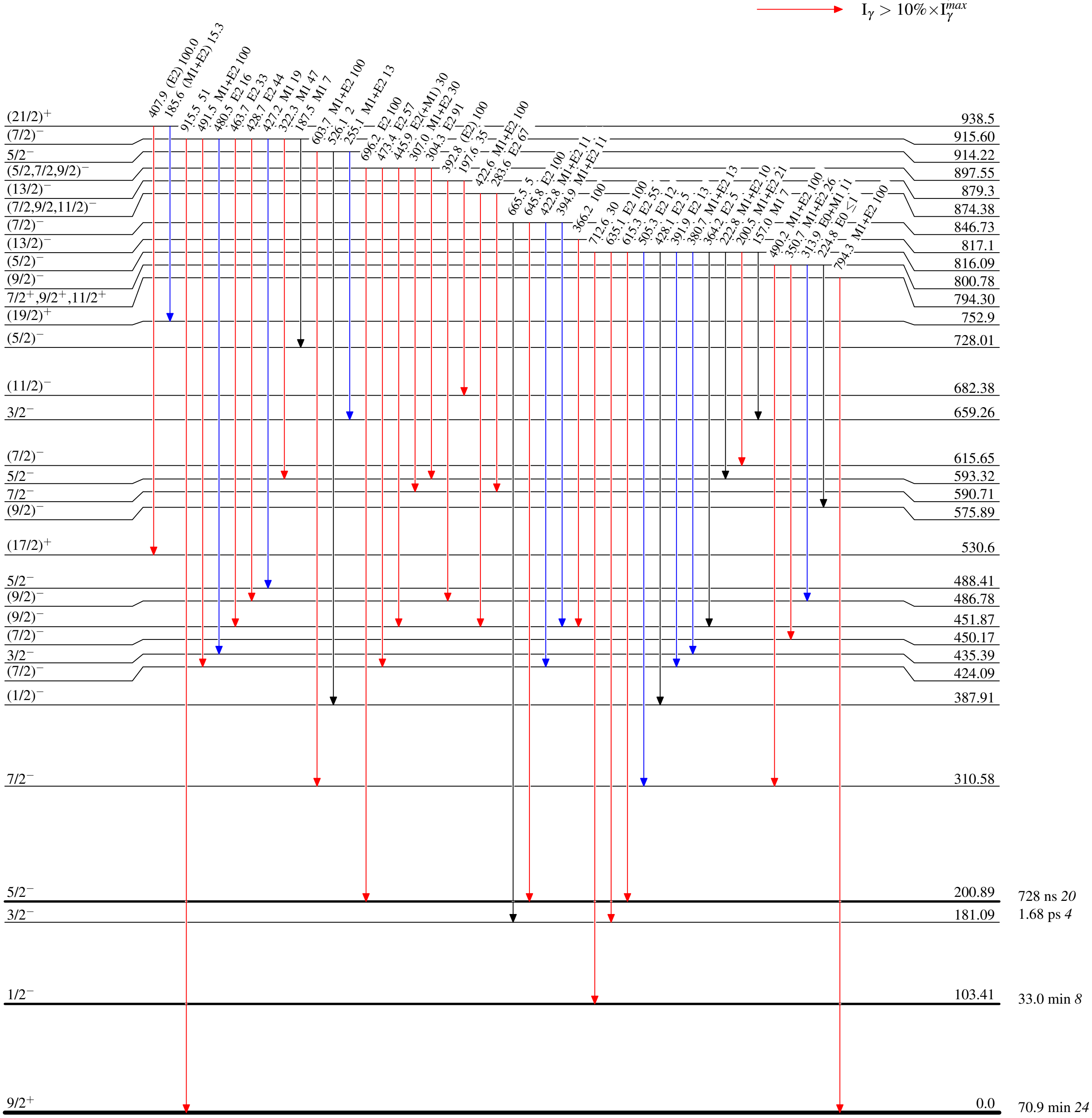
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

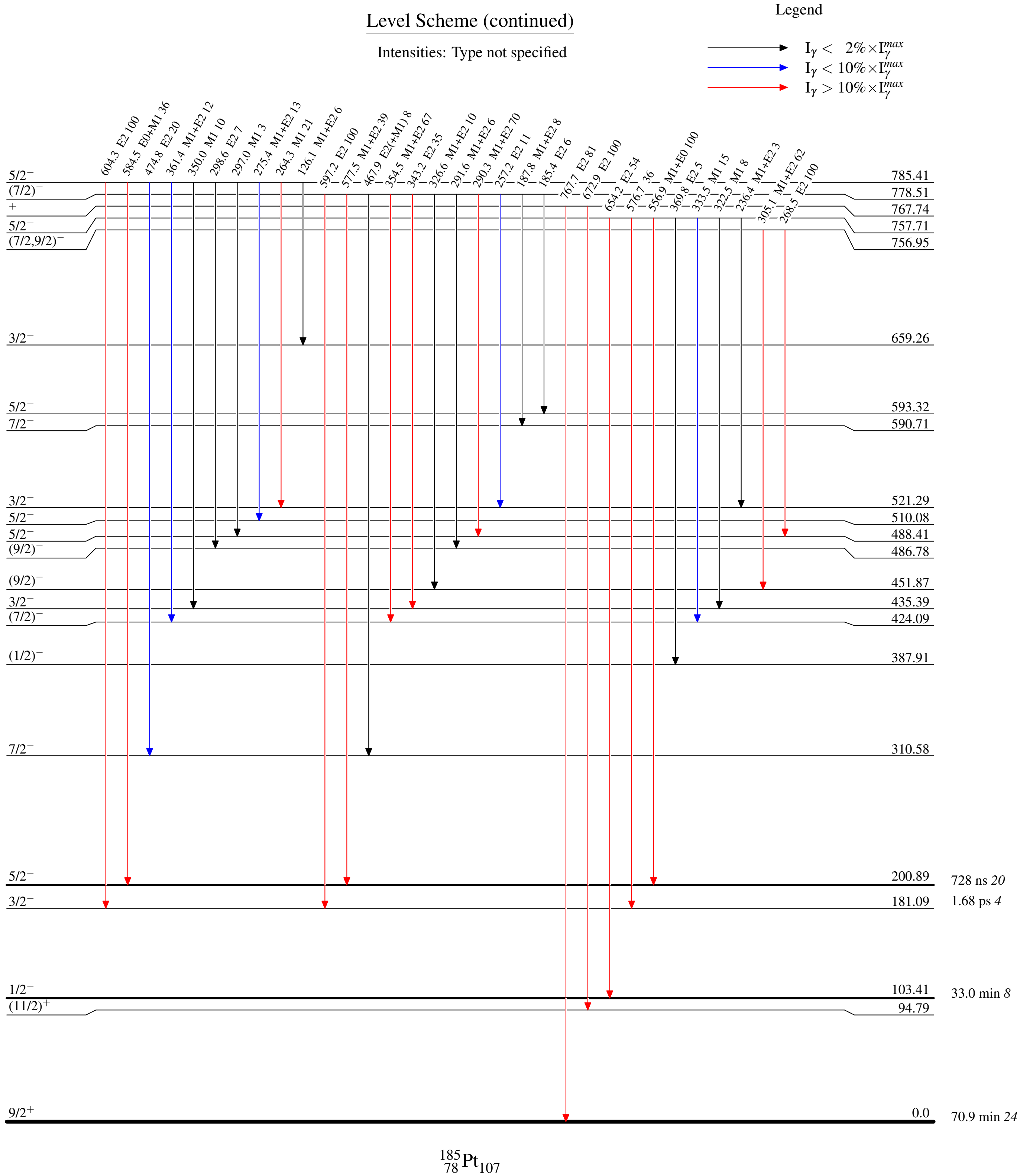
Legend

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



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

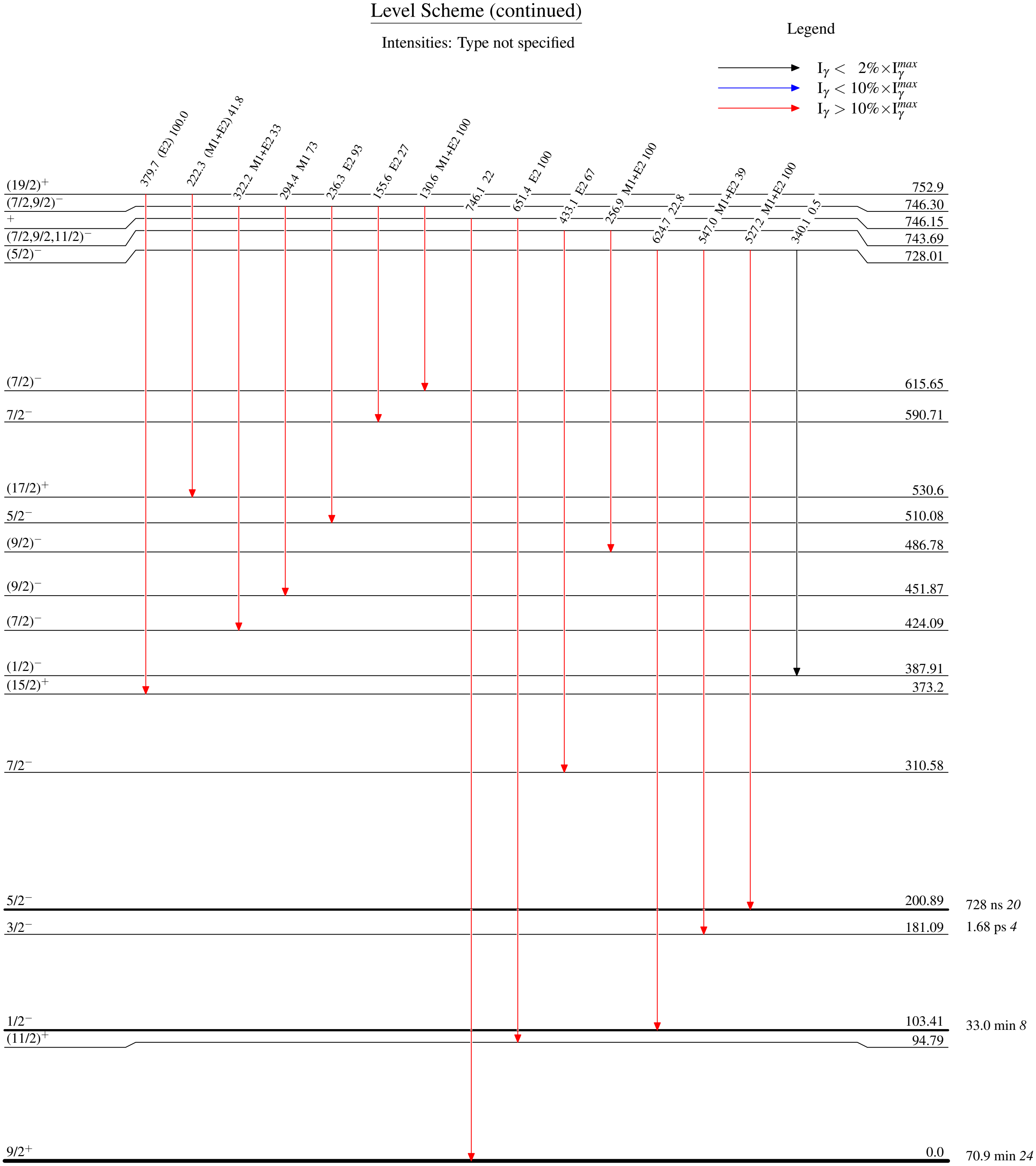
Adopted Levels, Gammas



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

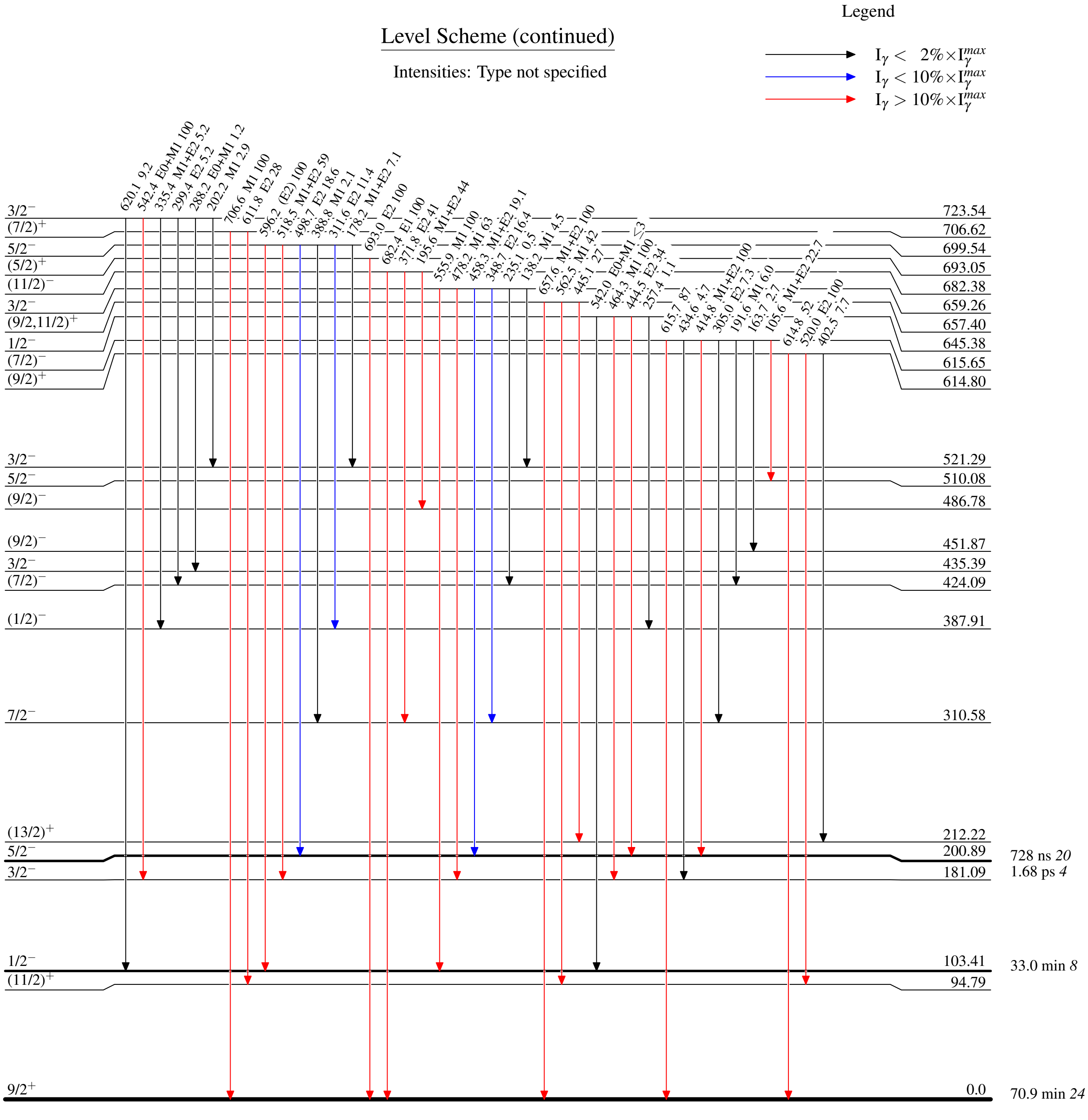


$^{185}_{78}Pt_{107}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



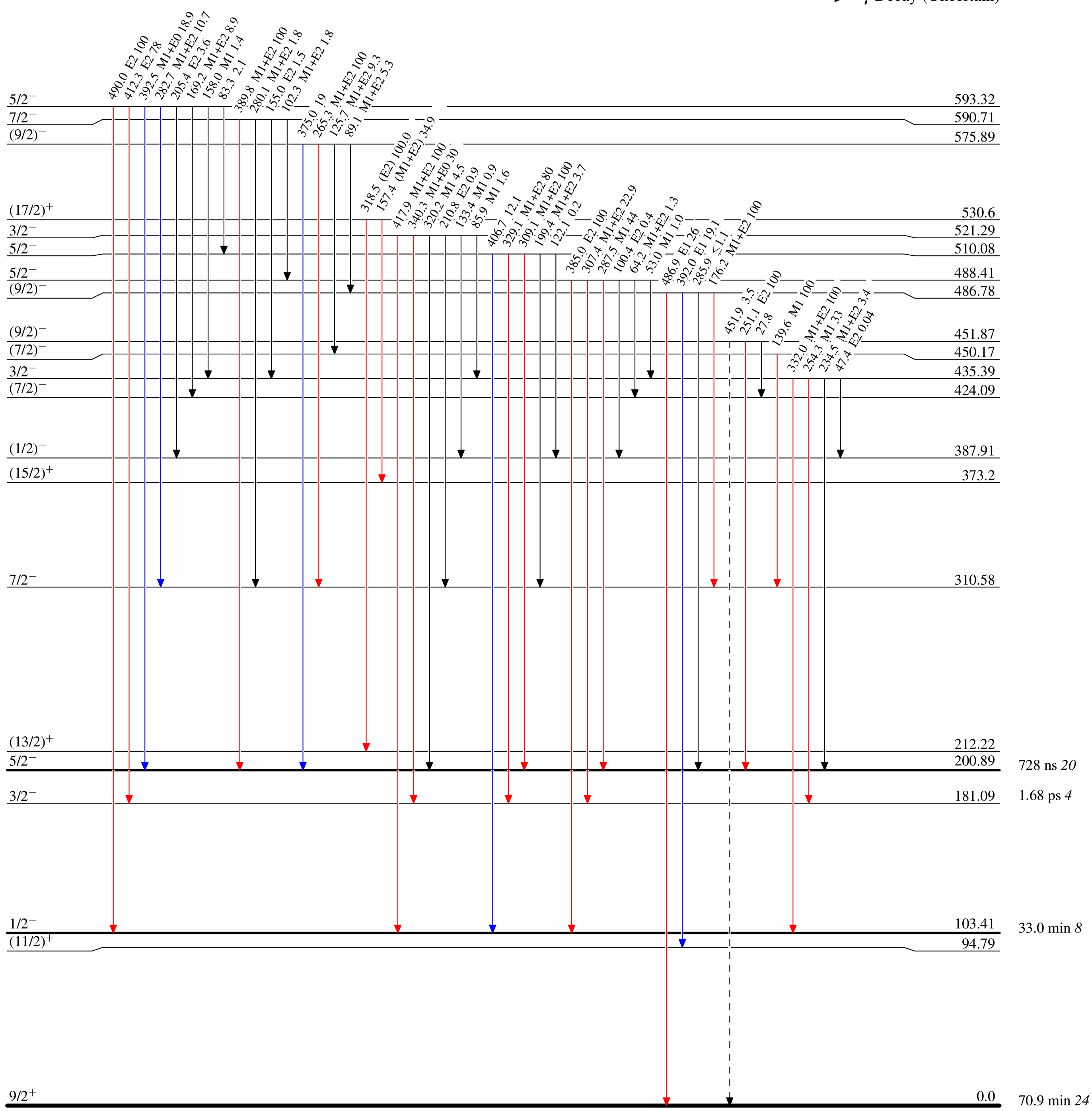
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

Legend

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



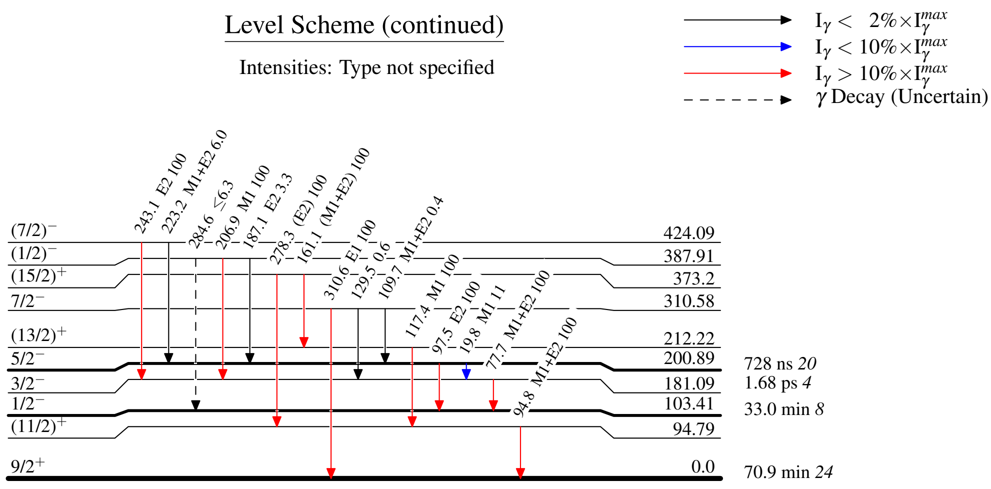
$^{185}_{78}Pt_{107}$

Adopted Levels, Gammas

Level Scheme (continued)

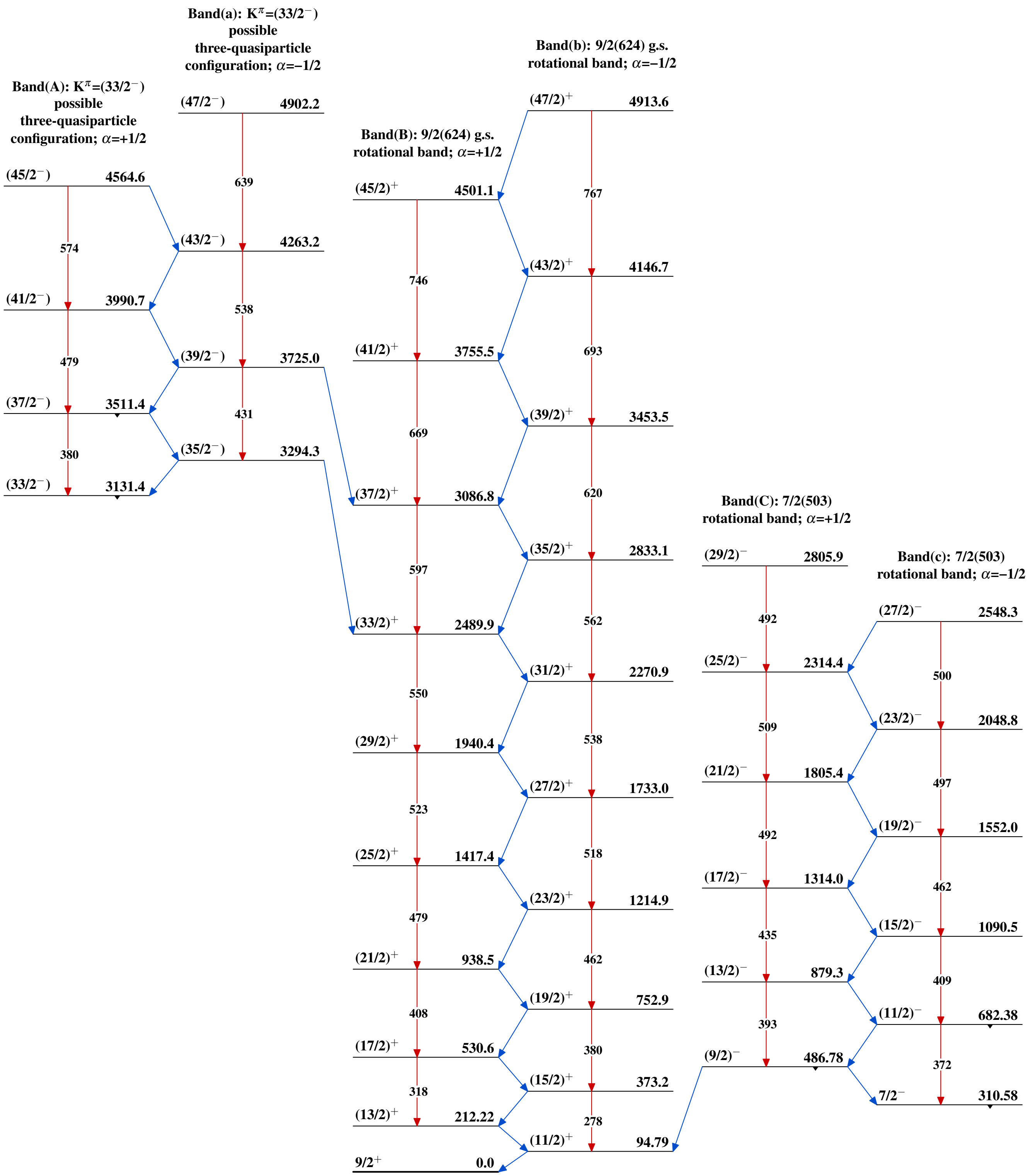
Intensities: Type not specified

Legend



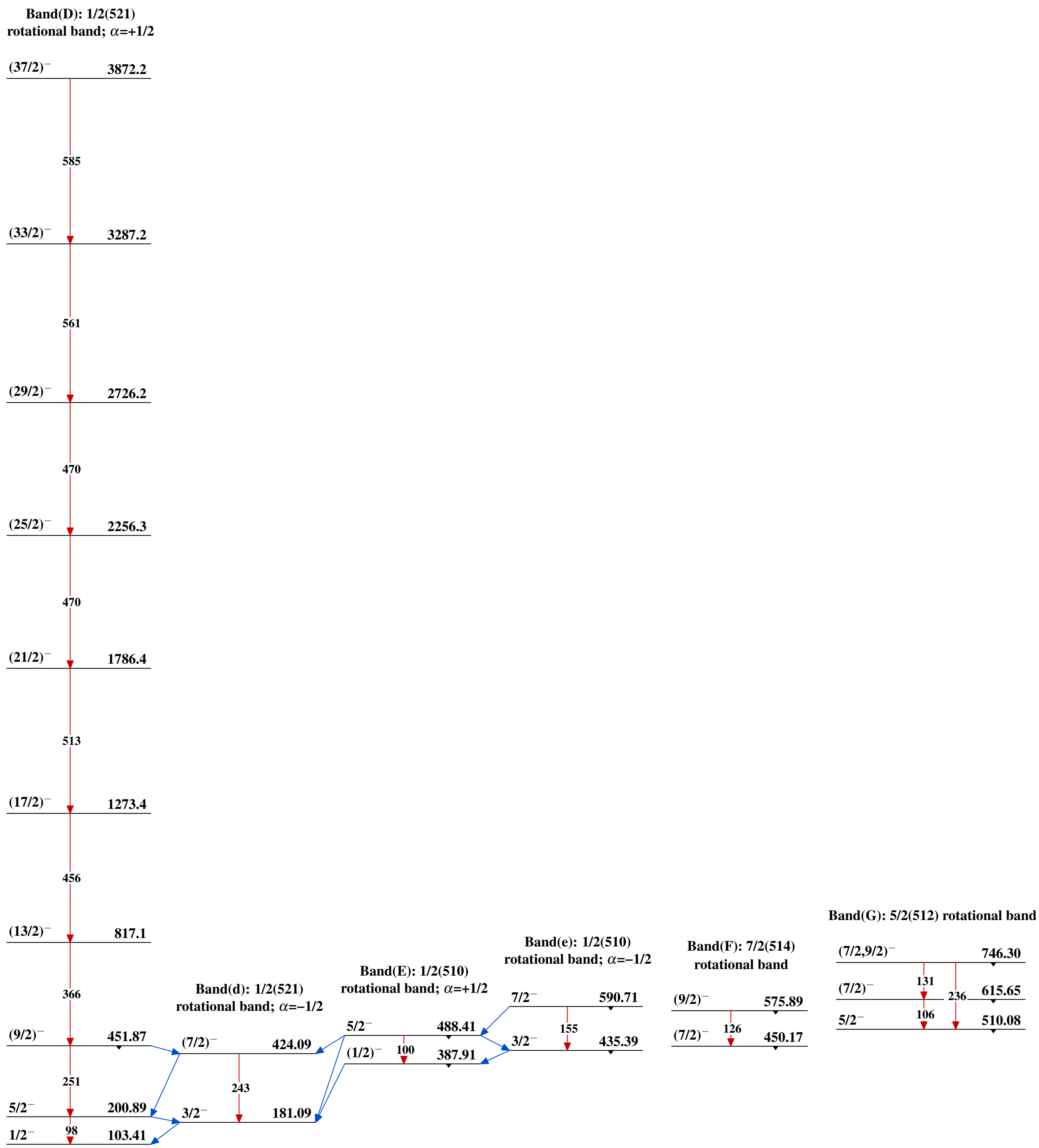
$^{185}_{78}Pt_{107}$

Adopted Levels, Gammas



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

Adopted Levels, Gammas (continued)



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