Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113,1871 (2012)	15-Jun-2012

Q(β^-)=−3516 *16*; S(n)=8662 *4*; S(p)=6870.3 *24*; Q(α)=2422 *3* 2012Wa38
Note: Current evaluation has used the following Q record −3516 16 *8662* 3 *6870.3* *24* 2422.2 *26* 2003Au03,2011AuZZ.
S(n), S(p), Q(α) from 2011AuZZ (cf. 8666 *3*, 6875.4 *19*, 2418.6 *22* from 2003Au03).

Other Reactions:

^{196}Pt(n,5nγ) (2001Ta31): E(n)=1-250 MeV from spallation n source; observed known 317γ, 468γ, 581γ and 589γ; measured prompt γ production cross sections.
^{180}Hf(^{12}C,X), E=65 MeV (2009Ma24, 2011Ma12): sum spin spectrometer in 4π configuration; measured high-energy GDR γ spectrum (4-6 fold gated using spin spectrometer) and γ anisotropy (θ(lab)=135°, 90°); searched for shape-phase transition; data analysis is ongoing.
See, e.g., 1987Ne09, 1988Bo31, 1988Le22, and 1990Hi08 for hfs and isotope shift data.
Theory (partial list only):
Interacting boson model calculation of ^{192}Pt level scheme: 2011No01, 2009Ga15.
Calculation of β and γ band energies using Bohr Hamiltonian with Morse potential: 2010Bo25.
Relativistic energy density functional calculation of low-lying level energies and B(E2) values (2011Ni07).
Density-dependent cluster model calculation of α decay $T_{1/2}$ (9x10^{22} y; 2011Qi12).
Interacting-boson-model calculation of collective structural evolution: 2011No15.

^{192}Pt Levels

Cross Reference (XREF) Flags

A	^{192}Ir β^- decay (73.829 d)	E	^{192}Pt(α,α')	I	^{186}W(^{11}B,p4nγ)
B	^{192}Ir β^- decay (1.45 min)	F	Coulomb excitation	J	^{198}Pt(^{136}Xe,Xγ)
C	^{192}Au ε decay	G	^{193}Ir(p,2nγ)	K	^{192}Os(^{82}Se,Xγ)
D	^{190}Os(α,2nγ), ^{192}Os(α,4nγ)	H	^{194}Pt(p,t)		

E(level)[†]	J$^\pi$[‡]	$T_{1/2}$	XREF	Comments
0.0[&]	0+[#]	stable	ABCDEFGHIJK	$T_{1/2}(\alpha)$>6x10^{16} y (specific activity measurements, 1966Ka23). $T_{1/2}(\alpha)$>1.3x10^{17} to ^{188}Os(2$^+$, 155) and $T_{1/2}(\alpha)$>2.6x10^{17} to ^{188}Os(4$^+$, 478) (2011Be08). Others: 1956Po16, 1961Pe23, 1963Gr08. Calculated value: 9.05x10^{22} y (2011Qi12; density-dependent cluster model). <r^2>$^{1/2}$(charge)=5.418 *9* (2004An14).
316.50645[&] *15*	2+[#]	43.7 ps *9*	ABCDEFGHIJK	μ=+0.590 *18*; Q=+0.55 *21* μ: Weighted average of following data after adjustment for consistency with adopted $T_{1/2}$: +0.559 *45* if $T_{1/2}$=43.0 ps (IPAC; 1989Ra17, from 1975Ka42), +0.574 *34* if $T_{1/2}$=44.4 ps (IPAC, 1992Al21 and 1992Bo20), +0.636 *34* if $T_{1/2}$=43.0 ps (transient field IPAC, 1992Br03), +0.594 *34* if $T_{1/2}$=43.0 ps (transient field IPAC, 1995An15). Additional information 1. Q: Coulomb excitation reorientation (1989Ra17, from 1987Gy01). Other value: +0.62 *6* (Coulomb excitation reorientation, 1989Ra17 from unpublished report referenced in 1987Gy01). J$^\pi$: E2 γ to 0$^+$. $T_{1/2}$: deduced from B(E2) in Coulomb excitation and adopted γ-ray properties. Other value (Coulomb excitation): 48.5 ps *5* (Doppler-shift recoil-distance measurements, 1977Jo05). Other values (^{192}Ir β^- decay (73.829 d)): 27 ps *4* ($\gamma\gamma$(t), 1962De14), 35 ps *3* ($\gamma\gamma$(t), 1966Sc06), 34 ps *5* (γce(t), 1970Be08), 42.8 ps *15* ($\beta\gamma\gamma$(t), 1973Sm01), 33 ps *4* (cece(t), 1976Bu20). Other: 1965Bu06 (<29 ps).

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{192}Pt Levels (continued)

E(level)[†]	Jπ[‡]	$T_{1/2}$	XREF	Comments
612.46318[a] *18*	2+[@]	26.5 ps *15*	ABCDEFGH	μ=+0.61 *8* μ: weighted average of +0.72 *14* (IPAC, 1989Ra17 from 1975Ka42) and +0.56 *9* (transient field IPAC, 1992Br03). Jπ: E2 γ to 0+. $T_{1/2}$: βγγ(t) in ^{192}Ir β− decay (73.829 d) (1973Sm01). Other values (^{192}Ir β− decay (73.829 d)): 24 ps *13* (cece(t), 1965Bu06), 20.1 ps *21* (γce(t), 1970Be08), 26.0 ps *26* (cece(t), 1976Bu20). Other value (Coulomb excitation): 31 ps *6* (deduced from B(E2)).
784.5759[&] *4*	4+[#]	4.2 ps *2*	A CDEFGHIJK	μ=+1.12 *12* μ: From transient field IPAC (1992Br03; relative to ^{194}Pt(328) or ^{196}Pt(356)). Other: +1.6 *11* (IPAC, 1989Ra17; datum of 1969Ke11 recalculated for consistency with adopted $T_{1/2}$). B(E4)=0.041 from (α,α′). Jπ: E2 468γ to 2+; g.s. band member. $T_{1/2}$: Doppler-shift recoil-distance measurements in Coulomb excitation (1977Jo05). Other values (^{192}Ir β− decay (73.829 d)): 11.8 ps *21* (βγ(t) and βγγ(t), 1966Sc06), 5 ps *4* (cece(t), 1975Aw01), 13 ps *10* (cece(t) and βce(t), 1976Bu20), 6.0 ps *17* (βce(t), 1978Bu02).
920.91852[a] *22*	3+[@]	21.3 ps *21*	A CD FG	Jπ: M1+E2 136γ to 4+ 785; M1+E2 208γ to 2+ 612. $T_{1/2}$: βce(t) in ^{192}Ir β− decay (73.829 d) (1978Bu02) (if $T_{1/2}$(612.5 level)=26.5 ps *15*). Other values (^{192}Ir β− decay (73.829 d)): 26 ps *4* (cece(t) and βce(t), 1976Bu20), <24 ps (cece(t), 1965Bu06).
1195.169 *18*	0+		C H	Jπ: E0 transition to 0+.
1201.0452[a] *5*	4+[@]		A CDEFGH	B(E4)≈0.1 from (α,α′). Jπ: M1+E2 416γ to 4+ 785; E2 intraband 589γ to 2+ 612.
1365.40[&] *6*	6+[#]	1.8 ps *7*	D FGHIJK	Jπ: E2 581γ to 4+ 785; g.s. band member. $T_{1/2}$: Doppler-shift recoil-distance measurements in Coulomb excitation (1977Jo05).
1378.046 *18*	3−	41 ps *9*	A CDEFGH	XREF: E(1390). Jπ: E1+M2 593γ to 4+ 785; E1(+M2) 1062γ to 2+ 316. $T_{1/2}$: deduced from B(E3) in Coulomb excitation and adopted γ-ray properties.
1383.95[d] *7*	(5)−		A CD GH J	Jπ: E1 599γ to 4+ 785; J=5 from band assignment.
1406.35 *4*	3+		A CD GH J	Jπ: M1+E2 1090γ to 2+ 317; 485γ to 3+ 921; log *ft*=8.8 from 4+.
1439.263 *20*	2+		C GH	Jπ: M1+E2+E0 827γ to 2+ 612; 1439γ to 0+ g.s.; 655γ to 4+ 785.
1481.78[a] *8*	5+[@]		D FG	Jπ: E2 561γ to 3+ 921; band assignment.
1518.35[d] *8*	(7)−	1.85 ns *17*	D GH J	μ=+3.4 *8* (2006Le06) Jπ: E2 134γ to (5)− 1384; band assignment. $T_{1/2}$: γγ(t) in ^{190}Os(α,2nγ), ^{192}Os(α,4nγ) (average value). μ: Based on g−factor=+0.48 *12* in (α,2nγ) from IPAD.
1546.93 *4*	(0+)		C H	Jπ: L(p,t)=(0);
1576.368 *17*	2+		C GH	Jπ: E2 1576γ to 0+ g.s.; M1+E2+E0 1260γ to 2+ 317.
1629.30 *6*	0+		C H	Jπ: L(p,t)=0. Consistent with E2 1313γ to 2+ 317; however α(K)exp for 1017γ to 2+ 612 exceeds α(K)(M1).
1666.63 *5*	(2,3,4)		CD G	Jπ: 746γ to 3+ 921; 289γ to 3− 1378; log *ft*=9.4 from 1−.
1739.431 *15*	(1)−		C G	Jπ: E1 1423γ to 2+ 317; 1739γ to 0+ g.s.
1746.41[c] *11*	(6)−		D G	Jπ: M1+E2 γ to (5)− 1384; band assignment.
1766.09 *4*	(2,3)+		C	Jπ: E2(+M1) 1450γ to 2+ 317; 565γ to 4+ 1201; log *ft*=9.0 from 1−.
1793.503 *24*	(2)+		C H	XREF: H(1792.3). Jπ: M1+E2+E0 1477γ to 2+ 317.
1800.3 *1*			H	

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{192}Pt Levels (continued)

E(level)[†]	Jπ[‡]	$T_{1/2}$	XREF	Comments
1857.4 *1*			H	
1869[a]	6+[@]		F	Jπ: assignment to γ band.
1880.02 *4*	3+		C H	XREF: H(1878.6). Jπ: M1 1564γ to 2+ 317; M1+E2 1095γ to 4+ 785.
1881.5 *3*	0+		H	Jπ: L(p,t)=0.
1894.478 *20*	(2,3)−		C	Jπ: E1 1282γ to 2+ 612; 974γ to 3+ 921; log *ft*=8.4 from 1−.
1897.7 *1*			H	
1934.7 *1*	(4+)		H	Jπ: L(p,t)=3,4; analogy with ^{194}Pt and ^{196}Pt.
1964.51[c] *13*	(8)−		D G J	Jπ: M1+E2 446γ to (7)− 1518; band assignment.
1972.5 *1*			H	
1976.25 *4*	(2)+		C	Jπ: M1 1660γ to 2+ 317; L(p,t)=(2).
1981.5 *1*			H	
2017.0 *2*			H	
2018.37[&] *13*	8+[#]		D FG I K	Jπ: E2 653γ to 6+ 1365; g.s. band member.
2041.81 *3*	(2−,3−)		C H	Jπ: 1429γ to 2+ 612; 1257γ to 4+ 785; log *ft*=9.1 from 1−. M1 1114γ from π=− 3155; M1 917γ from π=− 2958. However, α(K)exp favors E2 for 1257γ to π=+ 612.
2047.89 *4*	(2)+		C	Jπ: M1 1731γ to 2+ 317; 2048γ to 0+ g.s.; 1263γ to 4+.
2068.4 *3*			H	
2073.95 *4*	2+		C H	Jπ: E2 2074γ to 0+ g.s.
2096.9 *3*			H	
2103.22[d] *11*	(9)−		D G	Jπ: E2 585γ to (7)− 1518; band assignment.
2110.9 *1*	0+		H	Jπ: L(p,t)=0.
2113.20[a] *20*	7+[@]		D FG	
2120.21 *5*	(2+)		C	Jπ: 2120γ to 0+ g.s.; 1199γ to 3+ 921; 742γ to 3− 1378.
2129.52 *3*	(1−)		C H	XREF: H(2128.9). Jπ: E1 2130γ to 0+ g.s.; 752γ to 3− 1378. However, multipolarities of 1517γ and 1813γ may not be consistent with that of 2130γ.
2136.2 *1*			H	
2142.96 *4*	(3)−		C	Jπ: M1 765γ to 3− 1378; 1530γ to 2+ 612; 1358γ to 4+ 785. log *ft*=9.1 from 1−.
2149.385 *23*	1+		C H	XREF: H(2149.7). Jπ: M1 2149γ to 0+ g.s.; M1 1833γ to 2+ 317.
2161.64 *4*			C	Jπ: 1549γ to 2+ 612, 2141γ to 3+ 921 so *J*π=(1+,2,3,4+).
2162.7 *1*			H	
2171.36 *4*	2+		C	Jπ: M1+E2+E0 1855γ to 2+ 317; E2 1388γ to 4+ 785; M1(+E2) 1250γ to 3+ 921.
2172.37[f] *13*	(10)−	272 ns *23*	D J	μ=−0.012 *10* (2006Le06) Jπ: M1 γ to (9)− 2103; bandhead assignment, with probable configuration ν 9/2[505]+ν 11/2[615], consistent with measured g-factor and analogous structure in ^{190}Os (2006Le06). $T_{1/2}$: weighted average of 250 ns *30* (1976Cu02) and 310 ns *30* (1976Hj01) from γγ(t) in ^{190}Os(α,2nγ), ^{192}Os(α,4nγ) and 235 ns *47* from fragment-γγ(t) in ^{198}Pt(^{136}Xe,Xγ) using 317γ-468γ pair as double γ-ray gate (2004Va03, 2004Re11). μ: Based on g-factor=−0.0012 *10* in (α,2nγ) from IPAD. Other: 0.10 *6* from g-factor=0.010 *6* from 2001Ko41.
2183.2 *2*			H	
2191.30 *4*	(2+,3−)		C	Jπ: 1406γ to 4+ 785; 452γ to (1)− 1739.
2199.3 *1*			H	
2208.7 *3*			H	
2217.12 *6*	(2)+		C	Jπ: M1 1605γ to 2+ 612; 1433γ to 4+ 785; 478γ to (1)− 1739.
2236.82 *3*	(1,2)+		C	Jπ: M1 1624γ to 2+ 612; 1296γ to (0+) 1547.
2237.52 *4*	(2)+		C	Jπ: M1 1921γ to 2+ 317; M1+E2 1317γ to 3+ 921; 2237γ to 0+ g.s.;

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{192}Pt Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
			1037γ to 4+ 1201.
2257.26 *3*	(2)−	C	Jπ: E1 1941γ to 2+ 317; E1 1336γ to 3+ 921; log *ft*=7.4 from 1−. However, adopted Jπ implies M2 multipolarity for 2257γ.
2264.9 *1*		H	
2287.3 *2*		H	
2296.06 *4*	(1,2)+	C	Jπ: M1 1980γ to 2+ 317; 1101γ to 0+ 1195; log *ft*=7.8 (log $f^{1u}t$≤8.5) from 1−.
2300.9 *1*		H	
2313.5 *6*	(8,9,10)	D	Jπ: D 210γ to (9)− 2103.
2319.11 *3*	1+	C	Jπ: M1 2336γ to 0+ g.s.; M1 1707γ to 2+ 612.
2321.1 *2*		H	
2335.464 *19*	1+	C	Jπ: M1 2335.5γ to 0+ g.s.
2343.1 *3*		H	
2349.5 *1*		H	
2366.4 *3*		H	
2375.392 *25*	(1,2)+	C	Jπ: M1 2059γ to 2+ 317; M1 225γ to 1+ 2149.
2378.0 *2*		H	
2385.6 *3*		H	
2394.3 *2*		H	
2399.270 *24*	(1,2)+	C	Jπ: M1 2083γ to 2+ 317; M1 250γ to 1+ 2149.
2402.6 *2*		H	
2408.34 *3*	(2)+	C	Jπ: M1 2092γ to 2+ 317; M1 1487γ to 3+ 921; (E2) 2408γ to 0+ g.s.
2415.4 *2*		H	
2420.3 *2*		H	
2422.78 *4*	(1,2)+	C	Jπ: M1 2106γ to 2+ 317; M1,E2 2423γ to 0+ g.s.
2435.37 *6*	3+	C H	Jπ: M1 1823γ to 2+ 612; M1+E2+E0 1514γ to 3+ 921. log $f^{1u}t$>8.5.
2453.43 *8*	2+	C	Jπ: M1+E2+E0 1840γ to 2+ 612; M1 2137γ to 2+ 317.
2456.1 *1*		H	
2469.5 *2*		H	
2472.27 *5*	2+	C	Jπ: M1 2156γ to 2+ 317; M1+E2+E0 1860γ to 2+ 612.
2477.9 *1*		H	
2483.64 *5*	≤3	C	Jπ: log *ft*=8.4 from 1−. 2167γ to 2+ 317 makes Jπ=0+ unlikely; log *ft* rules out 3−.
2486.29 *4*	(2)−	C	Jπ: M1 747γ to (1)− 1739; M1 1108γ to 3− 1378.
2491.4 *2*	0+	H	Jπ: L(p,t)=0.
2500.2 *3*	0+	H	Jπ: L(p,t)=0.
2508.84 *6*	(2,3)+	C	Jπ: M1 1588γ to 3+ 921; log *ft*=8.2 (log $f^{1u}t$=8.7) from 1−.
2511.75[g] *23*	(11)−	D	Jπ: M1+E2 339γ to (10)− 2172; band assignment.
2512.3 *2*		H	
2518.99[b] *16*	(10)+	D F I K	Jπ: E2 501γ to 8+ 2018; band assignment.
2523.37 *16*	(10+)	I	
2530.3[c] *6*	(10−)	D	
2532.46 *5*	1+	C H	Jπ: M1 2533γ to 0+ g.s.; M1 2216γ to 2+ 317.
2537.5 *1*		H	
2546.5 *2*		H	
2549.42 *7*	(2)+	C	Jπ: M1,E2 1937γ to 2+ 612; 1171γ to 3− 1378; 810γ to (1)− 1739.
2557.5 *2*		H	
2560.15 *5*	(1+,2)	C	Jπ: 1639γ to 3+ 921; 821γ to (1)− 1739; log *ft*=8.2 from 1−.
2562.96 *5*	(2)+	C	Jπ: M1 1950γ to 2+ 612; 1778γ to 4+ 785; log *ft*=7.6 log $f^{1u}t$<8.5) from 1−.
2565.0 *3*		H	
2573.5 *2*		H	
2583.37[e] *21*	(10+)	D F	
2585.23 *5*	(2)+	C	Jπ: M1 1664γ to 3+ 921; 2585γ to 0+ g.s.; 1800γ to 4+ 785.
2591[a]	8+[@]	F H	XREF: H(2590.8). Jπ: band assignment in Coulomb excitation.
2602.97 *4*	(2)+	C	Jπ: M1 2286γ to 2+ 317; 2603γ to 0+ g.s.; 1225γ to 3− 1378.
2604.76 *4*	(1,2)−	C	Jπ: M1 865γ to (1)− 1739; 1227γ to 3− 1378.

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{192}Pt Levels (continued)

E(level)[†]	Jπ[‡]	$T_{1/2}$	XREF	Comments
2607.1 *1*			H	
2614.29 *9*	(2+)		C	Jπ: E2 2614γ to 0+ g.s.; M1 1693γ to 3+ 921.
2623.72[b] *18*	(12)+	2.62 ns *18*	D F I K	μ=−2.2 *11* (2006Le06) Jπ: E2 105γ to (10)+ 2519; band structure. $T_{1/2}$: in-beam direct timing of conversion electrons in ^{190}Os(α,2nγ), ^{192}Os(α,4nγ) (1978Ti02). Other values from (α,xnγ): 3.5 ns *5* (1976Cu02), 2.6 ns *5* (1976Hj01). μ: From g-factor=−0.18 *9* (2006Le06) in (α,2nγ) from IPAD.
2626.5 *1*			H	
2626.64[f] *24*	(12)−		D	Jπ: E2 454γ to (10)− 2172; band assignment.
2629.24 *4*	2+		C	Jπ: M1+E2+E0 2017γ to 2+ 612; 2629γ to 0+ g.s.
2635.23 *6*	1+		C	Jπ: M1 2635γ to 0+ g.s.
2641.1 *3*	(12+)		I	
2645.4 *2*			H	
2647.32 *6*	(2)−		C	Jπ: E1 2035γ to 2+ 612; 1726γ to 3+ 921; log *ft*=7.6 from 1−.
2653.2 *2*			H	
2658.46 *9*	(1,2)+		C	Jπ: Δπ=no 2658γ to 0+ g.s.; 2342γ to 2+ 317.
2674.2 *2*			H	
2683.9 *1*			H	
2703.3 *2*			H	
2709.1[d] *3*	(11)−		D	Jπ: E2 606γ to (9)− 2103; band assignment.
2709.3 *1*			H	
2721.4 *2*			H	
2729.4[&]	10+[#]		F	
2730.73 *6*	(2)−		C	Jπ: M1 1352γ to 3− 1378; M1 991γ to (1)− 1739.
2732.2 *2*			H	
2743.0 *1*	(0+)		H	Jπ: L(p,t)=(0).
2757.4 *2*			H	
2764.0 *2*			H	
2770.7[i] *7*	(13+)		I	
2775.21 *6*			C H	Jπ: 2459γ to 2+ 317; 1036γ to (1)− 1739; log *ft*=8.3 from 1−.
2784.1 *2*			H	
2793.4 *2*			H	
2794.25 *7*	(≤2)		C	Jπ: 1054γ to (1)− 1739; 2182γ to 2+ 612; log *ft*=8.5 from 1−.
2800.5 *2*			H	
2812.2 *1*			H	
2832.89 *7*	(1,2,3)+		C	Jπ: M1 2220γ to 2+ 612; log *ft*=7.7 from 1−.
2834.60 *6*	(2+)		C	Jπ: 1639γ to 0+ 1195; 1913γ to 3+ 921; 1634γ to 4+ 1201.
2841.7 *2*			H	
2856.13 *5*	(2)−		C	Jπ: M1 1117γ to (1)− 1739; 2244γ to 2+ 612; log *ft*=7.7 from 1−.
2857.07 *5*	(2−)		C	Jπ: E1 2541γ to 2+ 317; 1936γ to 3+ 921; log *ft*=7.6 from 1−.
2890.93 *4*	(2)−		C	Jπ: E1 2575 to 2+ 317; 1152γ to (1)− 1739; 1970γ to 3+ 921; log *ft*=7.4 from 1−.
2933.03? *23*	(12)+		D	Jπ: E2 414γ to (10)+ 2519.
2936.37[e] *25*	(12+)		D F	
2945.90 *24*	(11)+		D	Jπ: M1+E2 427γ to (10)+ 2519.
2947.00 *5*	(2−)		C	Jπ: M1 1053γ to (1−) 1894; 2026γ to 3+ 921.
2950.2? *4*			D	
2950.43 *9*	(1,2+)		C	Jπ: E2 1511γ to (2+) 1439; 1755γ to 0+ 1195.
2958.75 *4*	(2,3)−		C	Jπ: M1 1580γ to 3− 1378; 1219γ to (1)− 1739; 2038γ to 3+ 921.
2998.24[b] *21*	(14)+		D F I K	Jπ: E2 375γ to (12)+ 2624; band assignment.
3022.26[g] *25*	(13−)		D	
3027.38 *5*	(2,3)−		C	Jπ: M1 1288γ to (1)− 1739; 2106γ to 3+ 921; 1649γ to 3− 1378.
3031.00 *7*	(≤3)		C	Jπ: 1291γ to (1)− 1739.

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{192}Pt Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
3068.4 *3*	(14⁺)	I	
3080.1? *3*	(14⁺)	D	
3082.4[c] *6*	(12⁻)	D	Jπ: Q intraband 552γ to (10⁻) 2530.
3127.19 *4*	(1⁻,2⁻)	C	Jπ: M1 998γ to (1⁻) 2130; 674γ to 2⁺ 2453.
3137.4 *4*	(12⁺)	I	
3155.74 *4*	(2,3)⁻	C	Jπ: M1,E2 1416γ to (1)⁻ 1739; E1 2543γ to 2⁺ 612; 2235γ to 3⁺ 921.
3184.7[i] *9*	(15⁺)	I	
3189.52 *7*	(2,3⁻)	C	Jπ: 2269γ to 3⁺ 921; 1450γ to (1)⁻ 1739; 1811γ to 3⁻ 1378.
3225.5 *3*	(13⁺)	D	
3357.5[d] *6*	(13⁻)	D	
3400.0? *5*		D	Jπ: possible 320γ to (14⁺) 3080 suggests J=(12 to 16).
3504.7[h] *7*	(16⁺)	I	
3542.1[b] *3*	(16)⁺	D F I K	Jπ: E2 543γ to (14)⁺ 2998; band assignment.
3569.3? *4*		D	
3673.8? *5*		D	Jπ: D+Q 274γ to 3400.
3674.1[i] *10*	(17⁺)	I	
3695.3[g] *3*	(15)⁻	D	Jπ: E1 697γ to (14)⁺ 2998; band assignment.
3778.7[h] *7*	(18⁺)	I	
3883.3 *4*		D	Jπ: D+Q 188γ to (15)⁻ 3695 so J=(14,15,16).
3923.6[g] *3*	(17⁻)	D	
4160.4[f] *4*		D	Jπ: intraband 237γ to (17⁻) 3923 is probably ΔJ=1. If so, Jπ=(18⁻).
4199.7[h] *8*	(20⁺)	I	
4204.2[b] *4*	(18)⁺	D F I K	Jπ: E2 662γ to (16)⁺ 3542; band assignment.
4320.5? *4*		D	
4950.7[b] *6*	(20⁺)	D F I K	

† From least-squares fit to adopted Eγ for levels with known γ deexcitation; from cross referenced datasets otherwise.
‡ From γ-ray multipolarities, coincidence data, and band structure in ^{190}Os(α,2nγ), ^{192}Os(α,4nγ) and Coulomb excitation, except where noted; continuing Jπ patterns established.
# Based on smooth progression of level energies and independently established Jπ(g.s.) and mult(317γ), definite Jπ has been assigned to all members of the g.s. band.
@ Based on smooth progression of level energies and independently established Jπ(612) and mult(308γ), definite Jπ has been assigned to all members of the γ vibration band.
& Band(A): Kπ=0⁺ g.s. band.
a Band(B): Kπ=2⁺ quasi-γ vibration band.
b Band(C): neutron superband (1976Hj01,1976Cu02).
c Band(D): Kπ=(5)⁻, α=1 band (1976Hj01,1976Cu02). Semidecoupled band; primarily a two-proton excitation including π $h_{11/2}$ coupled with π $d_{3/2}$ or π $s_{1/2}$ (2006Le06).
d Band(d): Kπ=(5)⁻, α=0 band (1976Hj01,1976Cu02). See comment on signature partner band.
e Band(E): Aligned proton band (1976Hj01,1976Cu02). Proton superband (1981HuZV).
f Band(F): Kπ=(10)⁻, α=0 band (1976Hj01,1976Cu02). Built on 2172-keV 10⁻ isomer; probable configuration=((ν 9/2[505])+(ν 11/2[615]) (2006Le06).
g Band(f): Kπ=(10)⁻, α=1 band (1976Hj01,1976Cu02). See comment on signature partner band.
h Band(G): π=+, α=0 band fragment. Built on (16⁺) 3505 level.
i Band(H): π=+, α=1 band fragment. Built on (13⁺) 2271 level.

$\gamma(^{192}Pt)$

E_i(level)	J^π_i	E_γ†	I_γ‡	E_f	J^π_f	Mult.†	δ†	αd	$I_{(\gamma+ce)}$	Comments
316.50645	2+	316.50618# 17	100#	0.0	0+	E2#		0.0841		B(E2)(W.u.)=57.2 12
612.46318	2+	295.95650 15	100.00 23	316.50645	2+	M1+E2	+10.0 4	0.1047		B(M1)(W.u.)=2.45×10^{-4} 24; B(E2)(W.u.)=109 7 I_γ: from β^- decay (73.829 d). Other δ: +6 2 in (α,xnγ).
		612.4621 3	19.0 3	0.0	0+	E2		0.01536		B(E2)(W.u.)=0.55 4 I_γ: unweighted average of 19.30 13 from ε decay and 18.61 26 from β^- decay (73.829 d). Others: 14 3 from (α,xnγ), 17.4 15 from (p,2nγ).
784.5759	4+	468.0688# 3	100#	316.50645	2+	E2#		0.0291		B(E2)(W.u.)=89 5
920.91852	3+	136.3# 1	0.67# 8	784.5759	4+	M1+E2#	+3.5# +39−16	1.53 19		B(M1)(W.u.)=0.00015 +31−15; B(E2)(W.u.)=38 10 Other Iγ: 0.52 13 from ε decay.
		308.45507# 17	100.00# 22	612.46318	2+	M1+E2#	+7.20# 3	0.0943		B(M1)(W.u.)=4.8×10^{-4} 5; B(E2)(W.u.)=102 10 δ: other δ: ≥4.5 from α(K)exp in ^{192}Au ε decay; 6.5 +10−7 from α(K)exp (1974Vo13) in β^- decay; +7 2 in (α,xnγ).
		604.41105# 25	27.66# 6	316.50645	2+	M1+E2#	−1.48# 2	0.0258		B(M1)(W.u.)=2.9×10^{-4} 3; B(E2)(W.u.)=0.68 7 Other Iγ: 30.7 5 from ε decay.
1195.169	0+	582.70 3	100.0 15	612.46318	2+	E2		0.01722		
		878.70 4	30.5 7	316.50645	2+	E2				
		1195.26 13		0.0	0+	E0			0.51 9	
1201.0452	4+	280.27# 24	0.18# 9	920.91852	3+	M1(+E2)#	≤5.4#	0.25 12		
		416.4688# 7	14.8# 5	784.5759	4+	M1+E2#	+2.9# 10	0.049 10		Other Iγ: 14.0 13 in ε decay, 39 14 in (α,xnγ), 8.0 15 in Coulomb excitation, 28 3 in (p,2nγ). Other δ: +6 2 in (α,xnγ), 3.9 +7−14 in β^- decay.
		588.5810# 7	100.00# 22	612.46318	2+	E2#		0.01682		
		884.5365# 7	6.45# 15	316.50645	2+	E2#				Other Iγ: 7.9 7 from ε decay, 6.6 16 from (p,2nγ), 8 3 from (α,xnγ).
1365.40	6+	580.83 6	100	784.5759	4+	E2		0.01734		B(E2)(W.u.)=70 30 Eγ: weighted average of 580.80 8 from (p,2nγ), 580.88 12 from (α,2nγ) and 580.9 2 from (^{11}B,p4nγ). Other Eγ: 585 in ^{198}Pt(^{136}Xe,Xγ).

Adopted Levels, Gammas (continued)

$\gamma(^{192}Pt)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[†]	δ[†]	α[d]	Comments
1378.046	3^-	176.95 *4*	10.4 *9*	1201.0452	4^+	[E1]		0.0954	B(E1)(W.u.)=4.8×10^{-5} *12* E_γ: weighted average of 176.98 *4* from β^- decay (73.829 d), 176.84 *8* from ε decay and 176.8 *3* from (p,2nγ). I_γ: weighted average of 8.1 *19* from β^- decay (73.829 d), 11.3 *11* from ε decay and 10 *2* from (p,2nγ).
		593.55 *12*	79.7 *15*	784.5759	4^+	E1+M2	−0.07 *2*		B(E1)(W.u.)=9.6×10^{-6} *22*; B(M2)(W.u.)=0.6 *4* E_γ: unweighted average of 593.38 *5*, 594.0 *3* and 593.5 *3* from β^- decay (73.829 d), 593.46 *4* from ε decay and 593.39 *12* from (p,2nγ) (weighted average is 593.43 *5*). I_γ: weighted average of 79.1 *19* from β^- decay (73.829 d), 81.7 *27* from ε decay and 72 *8* from (p,2nγ). Mult.,δ: from $\gamma\gamma(\theta)$ and γ-ray linear polarization (oriented nuclei) in β^- decay (73.829 d) and α(K)exp in Au ε decay. Other: 0.11 *+5−11* from α(K)exp in ε decay.
		765.67 *15*	2.26 *27*	612.46318	2^+	E1+M2	0.20 *+10−12*		B(E1)(W.u.)=1.2×10^{-7} *4*; B(M2)(W.u.)=0.04 *4* E_γ: weighted average of 765.8 *3* from β^- decay (73.829 d), 765.6 *2* from ε decay and 765.7 *3* from (p,2nγ). I_γ: from ε decay. Others: 2.5 *11* from β^- decay (73.829 d) and 18 *4* from (p,2nγ). Mult.,δ: from β^- decay (73.829 d).
		1061.55[c] *5*	100.0[b] *22*	316.50645	2^+	E1(+M2)[#]	+0.04[#] *+5−3*		B(E1)(W.u.)=2.1×10^{-6} *5*; B(M2)(W.u.)=0.014 *+35−14* E_γ: weighted average of 1061.49 *4* from β^- decay (73.829 d), 1061.62 *4* from ε decay and 1061.46 *15* from (p,2nγ).
		1378.40 *21*	1.51 *27*	0.0	0^+	(E3)		0.00613	B(E3)(W.u.)=11.1 *20* B(E3)(W.u.): from measured B(E3)↑=0.17 *3* in Coulomb excitation. Other B(E3)↑: 0.19 from (α,α'). E_γ: unweighted average of 1378.0 *2*, 1378.2 *3*, 1378.8 *10*, 1378.0 *5*, 1379.0 *5* from β^- decay (73.829 d) and 1378.0 *2* from ε decay (weighted average is 1378.16 *15*). Other Iγ: 2.3 *6* from β^- decay (73.829 d). Mult.: K/L consistent with E3, but α(K)exp favors E2 in ^{192}Ir β^- decay (73.829 d).
1383.95	$(5)^-$	182.92 *14*	3.0[@] *4*	1201.0452	4^+	D+Q			E_γ: weighted average from (α,xnγ) and (p,2nγ). Mult.: from $\gamma(\theta)$ in (α,xnγ).
		599.37 *8*	100[@] *6*	784.5759	4^+	E1			E_γ: weighted average from β^- decay (73.829 d), (α,xnγ), (p,2nγ). Mult.: from (α,xnγ).
1406.35	3^+	485.45 *6*	100 *8*	920.91852	3^+				
		1089.82[c] *8*	24.6[b] *23*	316.50645	2^+	M1+E2[#]	1.8[#] *+14−6*		

From ENSDF

$^{192}_{78}Pt_{114}$-8

γ(^{192}Pt) (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[†]	δ[†]	α[d]	$I_{(\gamma+ce)}$	Comments
1439.263	2+	244.05 *8*	2.9 *3*	1195.169	0+					
		518.28 *10*	28 *4*	920.91852	3+					
		654.68 *9*	3.4 *4*	784.5759	4+					
		826.79 *8*	3.6 *3*	612.46318	2+	M1+E2+E0		0.046 *11*		α: based on α(K)exp.
		1122.80 *5*	100.0 *16*	316.50645	2+	M1(+E2+E0)		0.0155 *25*		α: based on α(K)exp.
		1439.22 *12*	4.8 *5*	0.0	0+					
1481.78	5+	560.86[@] *8*	100	920.91852	3+	E2[a]		0.0188		
1518.35	(7)−	134.39[@] *8*	100 *6*	1383.95	(5)−	E2[a]		1.511		B(E2)(W.u.)=39 *5* I_γ: from (α,xnγ).
		152.96[@] *10*	16.5 *15*	1365.40	6+	(E1)[a]		0.1380		B(E1)(W.u.)=1.9×10^{-6} *3* I_γ: from (α,xnγ); I(153γ):I(134γ)=26 *5* in (p,2nγ).
1546.93	(0+)	934.41 *8*	100 *3*	612.46318	2+	[E2]				
		1230.45 *6*	8.3 *8*	316.50645	2+					
		1546.96 *15*		0.0	0+	(E0)			1.00 *11*	$I_{(\gamma+ce)}$: deduced from Ice(K) in ε decay and theoretical K/L ratios for E0 transitions (1969Ha61).
1576.368	2+	375.26 *8*	0.34 *7*	1201.0452	4+					
		381.25 *8*	0.76 *7*	1195.169	0+					
		655.44 *3*	6.83 *24*	920.91852	3+	M1(+E2)	0.5 *+5−6*	0.033 *8*		
		791.6 *2*	0.24 *3*	784.5759	4+					
		963.93 *5*	20.0 *10*	612.46318	2+	M1(+E2+E0)		0.020 *4*		α: estimated from α(K)exp.
		1260.0 *2*	0.56 *12*	316.50645	2+	M1+E2+E0		0.31 *10*		α: estimated from α(K)exp.
		1576.38 *4*	100.0 *24*	0.0	0+	E2				
1629.30	0+	1016.81 *7*	8.9 *11*	612.46318	2+					
		1312.85 *10*	100 *11*	316.50645	2+	E2				
1666.63	(2,3,4)	288.59 *5*	100 *9*	1378.046	3−					
		745.67 *10*	23 *5*	920.91852	3+					Other Iγ: 72 *11* from (p,2nγ).
1739.431	(1)−	192.50 *9*	0.52 *17*	1546.93	(0+)					
		361.33 *5*	6.0 *7*	1378.046	3−					
		544.19 *8*	1.47 *14*	1195.169	0+					
		819[e]	<0.03	920.91852	3+					
		1126.97 *3*	48.6 *16*	612.46318	2+	E1				
		1422.91 *3*	100.0 *17*	316.50645	2+	E1				
		1739.49 *10*	6.7 *5*	0.0	0+	(E1)				
1746.41	(6)−	362.45[@] *8*	100	1383.95	(5)−	M1+E2[a]	+0.4 *1*	0.166 *9*		δ: from (α,xnγ).
1766.09	(2,3)+	565.13 *10*	6.0 *8*	1201.0452	4+					
		1449.68 *8*	100 *8*	316.50645	2+	E2(+M1)				
1793.503	(2)+	872.59 *5*	67 *3*	920.91852	3+	E2				
		1181.05 *7*	36 *3*	612.46318	2+	M1,E2				
		1477.00 *10*	100 *6*	316.50645	2+	M1+E2+E0				

$^{192}_{78}Pt_{114}$-9

γ(^{192}Pt) (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[†]	δ[†]	α[d]	Comments
1869	6+	668	100	1201.0452	4+				E_γ: From Coulomb excitation.
1880.02	3+	959.1 *2*	6.3 *10*	920.91852	3+				
		1095.42 *6*	40.0 *25*	784.5759	4+	M1+E2			
		1267.52 *10*	48 *5*	612.46318	2+	M1			
		1563.74 *19*	100 *30*	316.50645	2+	M1			
1894.478	(2,3)−	516.43 *8*	61 *3*	1378.046	3−				
		973.57 *7*	47 *3*	920.91852	3+				
		1281.99 *4*	100 *4*	612.46318	2+	E1			
		1577.95 *5*	61 *4*	316.50645	2+				
1964.51	(8)−	446.20[@] *11*	100	1518.35	(7)−	M1+E2[a]	+0.5 *1*	0.091 *5*	δ: from (α,xnγ).
1976.25	(2)+	1055.3 *2*	12.5 *21*	920.91852	3+				
		1363.79 *9*	100 *7*	612.46318	2+	M1			
		1659.78 *7*	93 *7*	316.50645	2+	M1			
2018.37	8+	652.95[@] *12*	100	1365.40	6+	E2[a]		0.01331	
2041.81	(2−,3−)	663.73 *19*	5.3 *16*	1378.046	3−				
		1121.00 *9*	58 *5*	920.91852	3+				
		1257.22 *6*	74 *5*	784.5759	4+				Mult.: α(K)exp in ε decay suggests E2, contrary to adopted J^π(2041).
		1429.34 *7*	100 *5*	612.46318	2+				
		1724.95 *21*	6.3 *16*	316.50645	2+				
2047.89	(2)+	669.77 *10*	2.64 *25*	1378.046	3−				
		1127.02 *8*	9.9 *8*	920.91852	3+				
		1263.31 *6*	6.3 *7*	784.5759	4+				Mult.: α(K)exp in ε decay suggests M1 but ce line may be contaminated. Level scheme requires E2.
		1435.39 *6*	36.4 *17*	612.46318	2+	M1			
		1731.4 *1*	100 *4*	316.50645	2+	M1			
		2047.8 *3*	1.2 *3*	0.0	0+				
2073.95	2+	634.69 *8*	38 *5*	1439.263	2+				
		695.8 *3*	15 *4*	1378.046	3−				
		1153.02 *7*	21 *4*	920.91852	3+				
		1757.7 *4*	13 *5*	316.50645	2+				
		2073.7 *3*	100 *10*	0.0	0+	E2			
2103.22	(9)−	584.85[@] *9*	100	1518.35	(7)−	E2[a]		0.01707	
2113.20	7+	631.42[@] *18*	100	1481.78	5+				
2120.21	(2+)	742.15 *13*	15 *5*	1378.046	3−				
		1199.29 *8*	71 *10*	920.91852	3+				
		1507.75 *9*	41 *10*	612.46318	2+				
		2120.1 *2*	100 *10*	0.0	0+				
2129.52	(1−)	235.09 *10*	4.6 *11*	1894.478	(2,3)−				
		335.97 *9*	4.9 *11*	1793.503	(2)+				
		690.20 *8*	9.3 *11*	1439.263	2+				

$^{192}_{78}Pt_{114}$-10

Adopted Levels, Gammas (continued)

$\gamma(^{192}Pt)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[†]	δ[†]	α[d]	Comments
2129.52	(1⁻)	751.50 *9*	9.9 *11*	1378.046	3⁻				
		934.35 *7*	58 *6*	1195.169	0⁺				
		1517.05 *9*	46 *4*	612.46318	2⁺				Mult.: α(K)(E1)<α(K)exp<α(K)(E2) in ε decay. E2 inconsistent with mult(2130γ) from same level.
		1813.00 *7*	100 *4*	316.50645	2⁺				Mult.: α(K)exp in ε decay favors E2 (inconsistent with mult(2130γ)).
		2129.57 *10*	63 *6*	0.0	0⁺	E1			
2142.96	(3)⁻	736.61 *8*	36 *5*	1406.35	3⁺				
		764.91 *5*	100 *10*	1378.046	3⁻	M1		0.0259	
		1222.10 *7*	45 *6*	920.91852	3⁺				
		1358.33 *10*	27 *3*	784.5759	4⁺				
		1530.4 *1*	49 *6*	612.46318	2⁺				
2149.385	1⁺	355.93 *10*	0.26 *11*	1793.503	(2)⁺				
		573.05 *10*	1.26 *11*	1576.368	2⁺				
		1536.91 *4*	17.7 *6*	612.46318	2⁺	M1			
		1832.83 *4*	100 *6*	316.50645	2⁺	M1			
		2149.4 *2*	1.53 *17*	0.0	0⁺	M1			
2161.64		1240.67 *8*	44 *4*	920.91852	3⁺				
		1549.24 *8*	100 *12*	612.46318	2⁺				
2171.36	2⁺	1250.47 *6*	20.6 *13*	920.91852	3⁺	M1(+E2)	0.6 *+5−6*		
		1386.75 *5*	44.4 *19*	784.5759	4⁺	E2			
		1559.0 *2*	100 *6*	612.46318	2⁺	E2(+M1)	≤1.6		
		1855.0 *3*	12.5 *13*	316.50645	2⁺	M1+E2+E0		0.039 *8*	α: estimated from α(K)exp.
		2171.5 *3*	75 *13*	0.0	0⁺	[E2]			
2172.37	(10)⁻	69.12[a] *10*	80 *7*	2103.22	(9)⁻	M1[a]		3.47	B(M1)(W.u.)=4.0×10^{-5} *6* I_γ: from (α,xnγ).
		207.93[a] *15*	100 *9*	1964.51	(8)⁻	(E2)[a]		0.315	B(E2)(W.u.)=0.0166 *24* I_γ: from (α,xnγ).
2191.30	(2⁺,3⁻)	451.89 *12*	6.5 *22*	1739.431	(1)⁻				
		813.2 *2*	17.4 *26*	1378.046	3⁻				
		1270.33 *6*	100 *9*	920.91852	3⁺				
		1406.75 *5*	23.5 *26*	784.5759	4⁺				
2217.12	(2)⁺	477.69 *10*	17 *4*	1739.431	(1)⁻				
		1296.0 *3*	51 *8*	920.91852	3⁺				
		1432.55 *8*	66 *7*	784.5759	4⁺				
		1604.67 *13*	100 *10*	612.46318	2⁺	M1			
2236.82	(1,2)⁺	356.77 *15*	0.39 *12*	1880.02	3⁺				
		443.33 *8*	0.61 *9*	1793.503	(2)⁺				
		689.88 *6*	10.3 *3*	1546.93	(0⁺)				
		1624.35 *3*	100 *3*	612.46318	2⁺	M1			
2237.52	(2)⁺	661.0 *3*	0.61[@] *11*	1576.368	2⁺				

From ENSDF

$^{192}_{78}Pt_{114}$-11

Adopted Levels, Gammas (continued)

γ(^{192}Pt) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[†]	α[d]	Comments
2237.52	(2)$^+$	798.2 *3*	0.73 *10*	1439.263	2$^+$			
		1036.5 *1*	0.94 *11*	1201.0452	4$^+$			
		1042.2 *2*	0.43 *8*	1195.169	0$^+$			
		1316.56 *7*	7.1 *4*	920.91852	3$^+$	M1+E2		
		1921.05 *6*	58.8 *25*	316.50645	2$^+$	M1		
		2237.3 *2*	100 *6*	0.0	0$^+$			
2257.26	(2)$^-$	817.95 *10*	2.0 *4*	1439.263	2$^+$			
		879.28 *6*	5.4 *8*	1378.046	3$^-$			
		1336.31 *4*	37.5 *17*	920.91852	3$^+$	E1		
		1644.77 *6*	42 *4*	612.46318	2$^+$	E1		
		1940.80 *10*	100 *8*	316.50645	2$^+$	E1		
		2257	2.5	0.0	0$^+$			
2296.06	(1,2)$^+$	401.60 *16*	1.2 *4*	1894.478	(2,3)$^-$			
		556.59 *8*	4.9 *6*	1739.431	(1)$^-$			
		856.83 *8*	2.5 *4*	1439.263	2$^+$			
		1100.94 *9*	2.2 *5*	1195.169	0$^+$			
		1683.34 *25*	16.9 *15*	612.46318	2$^+$	M1		
		1979.58 *8*	100 *15*	316.50645	2$^+$	M1		
2313.5	(8,9,10)	210.3[a] *5*	100	2103.22	(9)$^-$	D		Mult.: from $\gamma(\theta)$ in (α,xnγ).
2319.11	1$^+$	879.96 *8*	1.7 *5*	1439.263	2$^+$			
		1398.16 *9*	2.21 *24*	920.91852	3$^+$	(E2)		Mult.: some M1 admixture allowed by α(K)exp in ε decay but not permitted by level scheme.
		1706.63 *3*	100 *3*	612.46318	2$^+$	M1		
		2002.54 *8*	36 *5*	316.50645	2$^+$			
		2319.35 *25*	64 *6*	0.0	0$^+$	M1		
2335.464	1$^+$	186.1 *1*	0.43 *8*	2149.385	1$^+$			
		261.50 *5*	0.67 *12*	2073.95	2$^+$			
		359.23 *8*	0.62 *10*	1976.25	(2)$^+$			
		440.91 *7*	0.53 *8*	1894.478	(2,3)$^-$			
		759.10 *5*	47.5 *8*	1576.368	2$^+$	M1	0.0264	
		896.20 *6*	7.5 *5*	1439.263	2$^+$	M1	0.01728	
		1140.32 *4*	75.0 *17*	1195.169	0$^+$	M1		
		1414.49 *5*	8.5 *7*	920.91852	3$^+$	E2		
		1723.00 *4*	100 *5*	612.46318	2$^+$	M1		
		2018.8 *2*	40 *5*	316.50645	2$^+$	M1		
		2335.5 *2*	42 *5*	0.0	0$^+$	M1		
2375.392	(1,2)$^+$	225.97 *8*	22.3 *8*	2149.385	1$^+$	M1	0.665	
		495.36 *9*	4.1 *5*	1880.02	3$^+$			
		581.89 *8*	3.5 *4*	1793.503	(2)$^+$			
		799.05 *7*	10.8 *8*	1576.368	2$^+$	M1+E2	0.016 *8*	
		936.14 *5*	53.9 *23*	1439.263	2$^+$	E2		
		1762.90 *4*	100 *15*	612.46318	2$^+$	E2(+M1)		

Adopted Levels, Gammas (continued)

$\gamma(^{192}Pt)$ (continued)

E_i(level)	J_i^π	E_γ [†]	I_γ [‡]	E_f	J_f^π	Mult. [†]	δ [†]	α [d]	Comments
2375.392	(1,2)$^+$	2058.9 *1*	29 *6*	316.50645	2$^+$	M1			
		2375.71 *25*		0.0	0$^+$				Observed only in ce spectrum in ε decay.
2399.270	(1,2)$^+$	249.83 *7*	27.6 *14*	2149.385	1$^+$	M1		0.504	
		519.25 *9*	8.3 *7*	1880.02	3$^+$				
		822.90 *5*	55 *3*	1576.368	2$^+$	E2			
		960.02 *6*	24.8 *21*	1439.263	2$^+$	E2(+M1)	≥1.8		
		1204.8[e] *5*		1195.169	0$^+$				E_γ: reported in ce spectrum only in ε decay.
		1786.79 *4*	100 *8*	612.46318	2$^+$	(E2)			
		2082.79 *6*	83 *7*	316.50645	2$^+$	M1			
		2399.74[e] *25*		0.0	0$^+$				E_γ: reported in ce spectrum only in ε decay.
2408.34	(2)$^+$	668.91 *5*	100 *11*	1739.431	(1)$^-$				
		968.93 *15*	32 *5*	1439.263	2$^+$	M1		0.01418	
		1001.96 *8*	16 *4*	1406.35	3$^+$				
		1207.28 *9*	100 *11*	1201.0452	4$^+$				
		1487.38 *8*	72 *11*	920.91852	3$^+$	M1			
		1795.75 *20*	33 *5*	612.46318	2$^+$	M1(+E2)			
		2091.90 *7*	100 *11*	316.50645	2$^+$	M1			
		2408.4 *2*	100 *17*	0.0	0$^+$	(E2)			
2422.78	(1,2)$^+$	683.32 *8*	6.1 *6*	1739.431	(1)$^-$				
		1227.6 *1*	1.7 *4*	1195.169	0$^+$				
		1810.39 *9*	4.2 *4*	612.46318	2$^+$				
		2106.25 *5*	72 *11*	316.50645	2$^+$	M1			
		2422.9 *3*	100 *11*	0.0	0$^+$	M1,E2			
2435.37	3$^+$	1057.3 *2*	10.9 *19*	1378.046	3$^-$				
		1514.44 *11*	9.1 *25*	920.91852	3$^+$	M1+E2+E0			
		1822.90 *8*	100 *6*	612.46318	2$^+$	M1			
		2118.9 *2*	26 *3*	316.50645	2$^+$				
2453.43	2$^+$	1840.94 *10*	37 *7*	612.46318	2$^+$	M1+E2+E0			
		2137.0 *3*	100 *10*	316.50645	2$^+$	M1			
2472.27	2$^+$	1551.39 *8*	9 *3*	920.91852	3$^+$				
		1687.61 *9*	9.6 *22*	784.5759	4$^+$				
		1859.82 *9*	37 *4*	612.46318	2$^+$	M1+E2+E0			
		2155.74 *10*	100 *13*	316.50645	2$^+$	M1			
2483.64	≤3	1871.10 *10*	61 *9*	612.46318	2$^+$				
		2167.15 *11*	100 *9*	316.50645	2$^+$				
2486.29	(2)$^-$	591.75 *9*	52 *4*	1894.478	(2,3)$^-$				
		692.84 *9*	4.4 *6*	1793.503	(2)$^+$				
		746.85 *6*	100 *4*	1739.431	(1)$^-$	M1		0.0275	
		1108.26 *8*	14.6 *15*	1378.046	3$^-$	M1		0.01010	
		1565.39 *7*	94 *4*	920.91852	3$^+$				
		2169.6 *2*	42 *6*	316.50645	2$^+$				

Adopted Levels, Gammas (continued)

γ(^{192}Pt) (continued)

E$_i$(level)	J^π_i	E$_γ$[†]	I$_γ$[‡]	E$_f$	J^π_f	Mult.[†]	δ[†]	α[d]	Comments
2486.29	(2)$^-$	2486.4 3	18.3 21	0.0	0$^+$				
2508.84	(2,3)$^+$	1307.8 2	7.4 11	1201.0452	4$^+$				
		1587.86 9	100 6	920.91852	3$^+$	M1			
		1896.40 8	34 3	612.46318	2$^+$				
2511.75	(11)$^-$	339.37[a] 20	100	2172.37	(10)$^-$	M1+E2[a]	−0.4 1	0.198 10	δ: from (α,xnγ).
2518.99	(10)$^+$	500.62[a] 10	100	2018.37	8$^+$	E2[a]		0.0247	
2523.37	(10$^+$)	505.0[&] 1	100	2018.37	8$^+$				
2530.3	(10$^-$)	565.8[a] 5	100	1964.51	(8)$^-$	[E2]		0.0184	Mult.: E2 for doublet of comparable strength gammas in (α,xnγ).
2532.46	1$^+$	382.9 3	2.3 10	2149.385	1$^+$				
		1093.1 1	11.1 13	1439.263	2$^+$				
		1337.35 8	7.1 7	1195.169	0$^+$				
		1919.95 8	24 3	612.46318	2$^+$				
		2216.05 15	100 6	316.50645	2$^+$	M1			
		2532.8 5	26 4	0.0	0$^+$	M1			
2549.42	(2)$^+$	809.99 11	15.8 26	1739.431	(1)$^-$				
		1171.44 12	12.6 26	1378.046	3$^-$				
		1936.9 1	100 5	612.46318	2$^+$	M1,E2			
2560.15	(1$^+$,2)	665.73 8	24 3	1894.478	(2,3)$^-$				
		680.06 13	4.4 22	1880.02	3$^+$				
		820.71 6	18.7 26	1739.431	(1)$^-$				
		1639.2 2	25 3	920.91852	3$^+$				
		2243.5 2	100 17	316.50645	2$^+$				
2562.96	(2)$^+$	769.45 8	6.1 8	1793.503	(2)$^+$	M1+E2+E0			
		1184.9 3	6.6 9	1378.046	3$^-$				
		1641.91 16	11.4 12	920.91852	3$^+$				
		1778.39 6	18.6 12	784.5759	4$^+$				
		1950.46 13	100.0 23	612.46318	2$^+$	M1			
		2246.55 15	28 5	316.50645	2$^+$				
2583.37	(10$^+$)	411.03[a] 20	73 8	2172.37	(10)$^-$	[E1]			I$_γ$: from (α,xnγ).
		564.9[a] 4	100 30	2018.37	8$^+$	[E2]		0.0185	I$_γ$: from (α,xnγ). Mult.: E2 for doublet of comparable strength gammas in (α,xnγ).
2585.23	(2)$^+$	1008.85 15	6.3 11	1576.368	2$^+$	E2			
		1207.22 10	2.1 7	1378.046	3$^-$				
		1384.00 15	8.3 12	1201.0452	4$^+$				
		1664.2 1	15.4 16	920.91852	3$^+$	M1			
		1800.68 7	6.1 9	784.5759	4$^+$				
		1972.85 15	100 12	612.46318	2$^+$	M1			
		2268.8 3	10.0 16	316.50645	2$^+$				
		2585.3 2	11.4 16	0.0	0$^+$				

$^{192}_{78}Pt_{114}$-14

$\gamma(^{192}Pt)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[†]	α[d]	Comments
2591	8^+	722	100	1869	6^+			E_γ: From Coulomb excitation.
2602.97	$(2)^+$	809.46 7	16 3	1793.503	$(2)^+$			
		836.88 10	28 4	1766.09	$(2,3)^+$			
		1224.9 2	27 6	1378.046	3^-			
		1682.09 9	64 7	920.91852	3^+			
		2286.43 7	100 14	316.50645	2^+	M1		
		2602.8 3	61 7	0.0	0^+			
2604.76	$(1,2)^-$	347.45 15	38 13	2257.26	$(2)^-$			
		443.19 10	14.4 25	2161.64				
		484.53 9	23 3	2120.21	(2^+)			
		710.27 6	88 6	1894.478	$(2,3)^-$	M1	0.0313	
		865.33 6	100 6	1739.431	$(1)^-$	M1	0.0189	
		1226.8 2	15.6 25	1378.046	3^-			
		1992.25 9	100 6	612.46318	2^+			
2614.29	(2^+)	1419.2 2	7.6 11	1195.169	0^+			
		1693.29 24	25.3 27	920.91852	3^+	M1		
		2001.75 15	25.3 27	612.46318	2^+			
		2297.8 2	44.0 13	316.50645	2^+	M1		
		2614.3 2	100 13	0.0	0^+	E2		
2623.72	$(12)^+$	(40.4)	<0.0020	2583.37	(10^+)	[E2]	329	B(E2)(W.u.)≤0.13 I_γ: from (α,2nγ), (α,4nγ). E_γ: 40.4 3 from level energy difference.
		104.73[a] 10	100 8	2518.99	$(10)^+$	E2[a]	4.05	B(E2)(W.u.)=52 7 I_γ: from (α,xnγ).
2626.64	$(12)^-$	454.32[a] 25	100	2172.37	$(10)^-$	E2[a]	0.0314	
2629.24	2^+	479.84 8	3.0 8	2149.385	1^+			
		653.02 8	3.8 6	1976.25	$(2)^+$			
		734.67 15	4.1 6	1894.478	$(2,3)^-$			
		749.24 7	8.8 8	1880.02	3^+			
		889.77 9	21.9 16	1739.431	$(1)^-$			
		2016.81 15	17.2 16	612.46318	2^+	M1+E2+E0		
		2312.8 3	100 5	316.50645	2^+	M1,E2		
		2629.4 4	63 16	0.0	0^+			
2635.23	1^+	841.70 10	2.1 6	1793.503	$(2)^+$			
		1088.35 9	10.6 14	1546.93	(0^+)			
		1440.03 17	3.9 6	1195.169	0^+			
		2318.67 11	23 3	316.50645	2^+			
		2635.1 3	100 17	0.0	0^+	M1		
2641.1	(12^+)	122.1[&] 2	100	2518.99	$(10)^+$			
2647.32	$(2)^-$	1726.35 10	21.7 25	920.91852	3^+			
		2034.87 7	100 17	612.46318	2^+	E1		

$^{192}_{78}Pt_{114}$-15

$\gamma(^{192}Pt)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[†]	α[d]	Comments
2658.46	$(1,2)^+$	2341.94 9	100 7	316.50645	2^+			
		2658.4 3	55 6	0.0	0^+	M1,E2		
2709.1	$(11)^-$	605.92[a] 25	100	2103.22	$(9)^-$	E2[a]	0.01574	
2729.4	10^+	711	100	2018.37	8^+			E_γ: from Coulomb excitation.
2730.73	$(2)^-$	688.88 10	13 3	2041.81	$(2^-,3^-)$			
		991.35 8	80 7	1739.431	$(1)^-$	M1	0.01338	
		1352.60 9	65 6	1378.046	3^-	M1		
		2414.4 2	100 13	316.50645	2^+			
2770.7	(13^+)	147.0[&] 5	100	2623.72	$(12)^+$			
2775.21		880.73 12	15 4	1894.478	$(2,3)^-$			
		895.19 10	19 4	1880.02	3^+			
		1035.75 10	33 5	1739.431	$(1)^-$			
		2458.75 15	100 9	316.50645	2^+			
2794.25	(≤2)	899.70 13	24 6	1894.478	$(2,3)^-$			
		1054.84 7	100 12	1739.431	$(1)^-$			
		2181.8 3	53 7	612.46318	2^+			
2832.89	$(1,2,3)^+$	671.15 15	4.7 12	2161.64				
		1256.7 3	31 6	1576.368	2^+			
		1393.67 14	10.6 19	1439.263	2^+			
		2220.41 10	38 3	612.46318	2^+	M1		
		2516.4 3	100 6	316.50645	2^+			
2834.60	(2^+)	1068.4 2	8.2 14	1766.09	$(2,3)^+$			
		1428.32 14	3.6 7	1406.35	3^+			
		1633.56 8	13.6 21	1201.0452	4^+			
		1639.43 9	9.6 14	1195.169	0^+			
		1913.6 2	19.3 25	920.91852	3^+			
		2518.0 3	100 18	316.50645	2^+			
2856.13	$(2)^-$	961.65 10	28.2 26	1894.478	$(2,3)^-$	M1	0.01445	
		1090.54 15	4.4 10	1766.09	$(2,3)^+$			
		1116.60 6	100 5	1739.431	$(1)^-$	M1		
		2243.74 20	19.5 21	612.46318	2^+			
2857.07	(2^-)	727.60 13	4.6 13	2129.52	(1^-)	M1	0.0294	
		1479.03 5	62 5	1378.046	3^-			
		1936.07 8	8.0 10	920.91852	3^+			
		2541.0 10	100 5	316.50645	2^+	E1		
2890.93	$(2)^-$	761.35 13	5.8 13	2129.52	(1^-)			
		849.12 9	11.8 21	2041.81	$(2^-,3^-)$			
		996.6 2	31.6 26	1894.478	$(2,3)^-$	M1	0.01320	
		1097.6 2	6.1 16	1793.503	$(2)^+$			
		1151.51 8	21.1 24	1739.431	$(1)^-$			
		1512.75 13	24 4	1378.046	3^-			

From ENSDF

Adopted Levels, Gammas (continued)

$\gamma(^{192}Pt)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[†]	δ[†]	α[d]	Comments
2890.93	(2)$^-$	1969.99 *8*	29.0 *26*	920.91852	3$^+$				
		2278.4 *2*	17.4 *21*	612.46318	2$^+$				
		2574.8 *4*	100 *16*	316.50645	2$^+$	E1			
2933.03?	(12)$^+$	414.04[ae] *16*	100	2518.99	(10)$^+$	E2[a]		0.0399	
2936.37	(12$^+$)	353.00[a] *12*	100	2583.37	(10$^+$)	E2[a]		0.0616	
2945.90	(11)$^+$	426.91[a] *18*	100	2518.99	(10)$^+$	M1+E2[a]	+0.5 *1*	0.102 *6*	δ: from (α,xnγ).
2947.00	(2$^-$)	905.2 *2*	14.2 *23*	2041.81	(2$^-$,3$^-$)				
		1052.55 *9*	77 *8*	1894.478	(2,3)$^-$	M1		0.01150	
		1153.42 *16*	5.8 *15*	1793.503	(2)$^+$				
		1180.96 *10*	10.0 *15*	1766.09	(2,3)$^+$				
		1207.50 *10*	6.9 *15*	1739.431	(1)$^-$				
		2026.2 *2*	11.2 *23*	920.91852	3$^+$				
		2630.4 *2*	100 *15*	316.50645	2$^+$				
2950.2?		438.5[ae] *3*	100	2511.75	(11)$^-$				
2950.43	(1,2$^+$)	902.52 *11*	7.9 *17*	2047.89	(2)$^+$				
		1511.11 *20*	23 *4*	1439.263	2$^+$	E2			
		1755.4 *3*	8.0 *13*	1195.169	0$^+$				
		2634.0 *3*	100 *25*	316.50645	2$^+$				
2958.75	(2,3)$^-$	701.47 *9*	3.1 *6*	2257.26	(2)$^-$				
		797.09 *11*	2.0 *6*	2161.64					
		815.79 *8*	22 *3*	2142.96	(3)$^-$	M1		0.0220	
		917.01 *9*	12.5 *16*	2041.81	(2$^-$,3$^-$)	M1		0.01630	
		982.49 *11*	1.1 *3*	1976.25	(2)$^+$				
		1192.49 *15*	2.8 *6*	1766.09	(2,3)$^+$				
		1219.4 *1*	8.0 *13*	1739.431	(1)$^-$				
		1519.43 *12*	6.7 *11*	1439.263	2$^+$				
		1580.64 *8*	100 *5*	1378.046	3$^-$	M1			
		2037.86 *12*	4.4 *8*	920.91852	3$^+$				
		2346.4 *2*	28 *3*	612.46318	2$^+$				
2998.24	(14)$^+$	227.5[&] *3*	29 *4*	2770.7	(13$^+$)				I_γ: from (^{11}B,p4nγ).
		374.51[a] *12*	100 *8*	2623.72	(12)$^+$	E2[a]		0.0523	I_γ: from (^{11}B,p4nγ).
3022.26	(13$^-$)	395.64[a] *20*	27 *4*	2626.64	(12)$^-$	(M1+E2)[a]		0.09 *5*	I_γ: from (α,xnγ).
		510.4[a] *5*	100 *26*	2511.75	(11)$^-$				I_γ: from (α,xnγ).
3027.38	(2,3)$^-$	985.65 *15*	16 *3*	2041.81	(2$^-$,3$^-$)				
		1132.93 *10*	19 *3*	1894.478	(2,3)$^-$				
		1233.95 *15*	12.0 *24*	1793.503	(2)$^+$				
		1261.3 *2*	6.0 *16*	1766.09	(2,3)$^+$				
		1287.7 *2*	60 *4*	1739.431	(1)$^-$	M1			
		1649.32 *8*	100 *12*	1378.046	3$^-$				
		2106.42 *9*	52 *4*	920.91852	3$^+$				
		2415.1 *3*	56 *4*	612.46318	2$^+$				

Adopted Levels, Gammas (continued)

γ(^{192}Pt) (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[†]	α[d]	Comments
3031.00	(≤3)	547.32 *8*	25 *4*	2483.64	≤3			
		901.5 *2*	31 *4*	2129.52	(1^-)			
		1291.60 *9*	100 *7*	1739.431	$(1)^-$			
3068.4	(14^+)	427.3[&] *1*	100	2641.1	(12^+)			
3080.1?	(14^+)	147.07[ae] *12*	100	2933.03?	$(12)^+$	(E2)[a]	1.075	
3082.4	(12^-)	552.1[a] *3*	100	2530.3	(10^-)	Q		Mult.: from γ(θ) in (α,xnγ).
3127.19	(1^-,2^-)	643.56 *8*	14.0 *20*	2483.64	≤3			
		673.76 *11*	9.5 *20*	2453.43	2^+			
		704.4 *1*	10.5 *25*	2422.78	$(1,2)^+$			
		791.65 *8*	17.0 *25*	2335.464	1^+			
		831.18 *9*	14.0 *25*	2296.06	$(1,2)^+$			
		997.68 *5*	100 *10*	2129.52	(1^-)	M1	0.01317	
		1387.78 *9*	39 *5*	1739.431	$(1)^-$			
3137.4	(12^+)	614.0[&] *3*	100	2523.37	(10^+)			
3155.74	$(2,3)^-$	994.10 *10*	4.7 *9*	2161.64				
		1113.93 *8*	18.1 *19*	2041.81	(2^-,3^-)	M1		
		1261.1 *2*	4.0 *8*	1894.478	$(2,3)^-$			
		1362.22 *10*	6.6 *9*	1793.503	$(2)^+$			
		1389.68 *9*	8.3 *9*	1766.09	$(2,3)^+$			
		1416.29 *8*	36 *4*	1739.431	$(1)^-$	M1,E2		
		1579.2 *3*	47 *4*	1576.368	2^+			
		1777.8 *2*	3.6 *8*	1378.046	3^-			
		2234.84 *7*	100 *6*	920.91852	3^+			
		2543.1 *2*	57 *15*	612.46318	2^+	E1		
3184.7	(15^+)	414.0[&] *5*	100	2770.7	(13^+)			
3189.52	(2,3^-)	1147.65 *17*	24 *6*	2041.81	(2^-,3^-)			
		1295.00 *10*	49 *9*	1894.478	$(2,3)^-$			
		1450.0 *2*	100 *13*	1739.431	$(1)^-$			
		1811.57 *15*	55 *7*	1378.046	3^-			
		2268.7 *2*	64 *7*	920.91852	3^+			
3225.5	(13^+)	279.57[a] *18*	100	2945.90	$(11)^+$	(E2)[a]	0.1218	
3357.5	(13^-)	648.4[a] *5*	100	2709.1	$(11)^-$			
3400.0?		319.9[ae] *4*	100	3080.1?	(14^+)			
3504.7	(16^+)	320.0[&] *2*	100	3184.7	(15^+)			
3542.1	$(16)^+$	543.85[a] *20*	100	2998.24	$(14)^+$	E2[a]	0.0202	
3569.3?		489.2[ae] *3*	100	3080.1?	(14^+)	D+Q[a]		
3673.8?		273.83[ae] *18*	100	3400.0?		D+Q		Mult.: from γ(θ) in (α,xnγ).
3674.1	(17^+)	489.4[&] *8*	100	3184.7	(15^+)			
3695.3	$(15)^-$	673.01[a] *25*	100 *10*	3022.26	(13^-)	E2[a]	0.01245	I_γ: from (α,xnγ).

γ(^{192}Pt) (continued)

E_i(level)	J^{π}_i	E_γ[†]	I_γ[‡]	E_f	J^{π}_f	Mult.[†]	α[d]	Comments
3695.3	(15)$^-$	697.0[a] 3	57 7	2998.24	(14)$^+$	E1[a]		I_γ: from (α,xnγ).
3778.7	(18$^+$)	274.0[&] 3	100	3504.7	(16$^+$)			
3883.3		188.03[a] 20	100	3695.3	(15)$^-$	D+Q		Mult.: from $\gamma(\theta)$ in (α,xnγ).
3923.6	(17$^-$)	228.34[a] 15	100 9	3695.3	(15)$^-$	(E2)[a]	0.231	I_γ: from (α,xnγ).
		381.5[a] 3	24 9	3542.1	(16)$^+$			I_γ: from (α,xnγ).
4160.4		236.84[a] 16	100	3923.6	(17$^-$)	D+Q		Mult.: from $\gamma(\theta)$ in (α,xnγ).
4199.7	(20$^+$)	421.0[&] 3	100	3778.7	(18$^+$)			
4204.2	(18)$^+$	662.1[a] 3	100	3542.1	(16)$^+$	E2[a]	0.01291	
4320.5?		160.10[ae] 20	100	4160.4				
4950.7	(20$^+$)	746.5[a] 4	100	4204.2	(18)$^+$			

† From ^{192}Au ε decay, except where noted.
‡ Relative photon branching from each level; values are from ^{192}Au ε decay, except where noted.
# From ^{192}Ir β^- decay (73.829 d).
@ Weighted average from ^{190}Os(α,2nγ), ^{192}Os(α,4nγ) and ^{193}Ir(p,2nγ).
& From (^{11}B,p4nγ).
a From ^{190}Os(α,2nγ), ^{192}Os(α,4nγ).
b Weighted average from ^{192}Ir β^- decay (73.829 d), ^{192}Au ε decay, and ^{193}Ir(p,2nγ).
c Weighted average from ^{192}Ir β^- decay (73.829 d), ^{192}Au Au ε decay, (α,xnγ), ^{193}Ir(p,2nγ).
d 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.
e Placement of transition in the level scheme is uncertain.

$^{192}_{78}$Pt$_{114}$-19

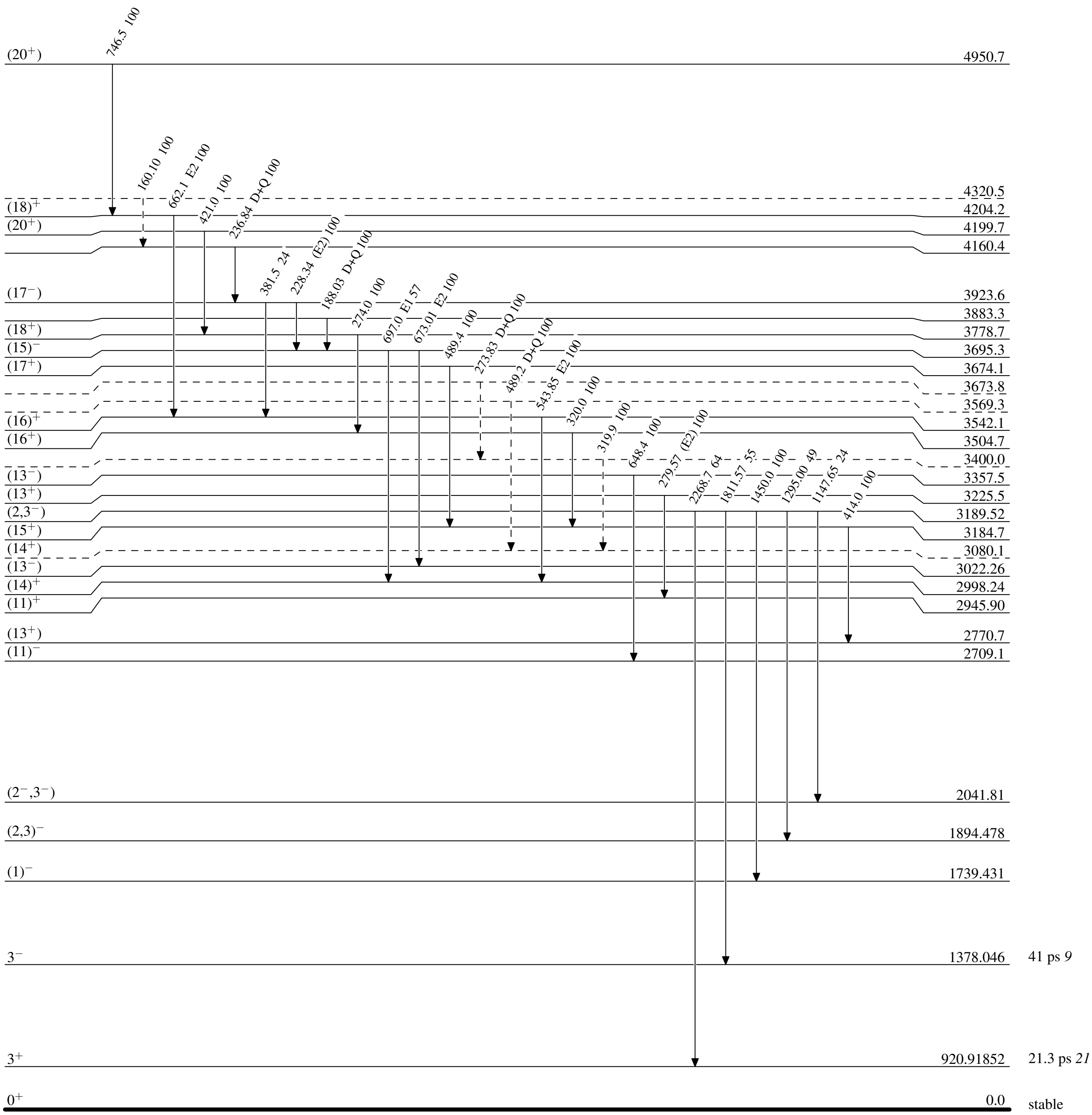
Adopted Levels, Gammas

Legend

Level Scheme

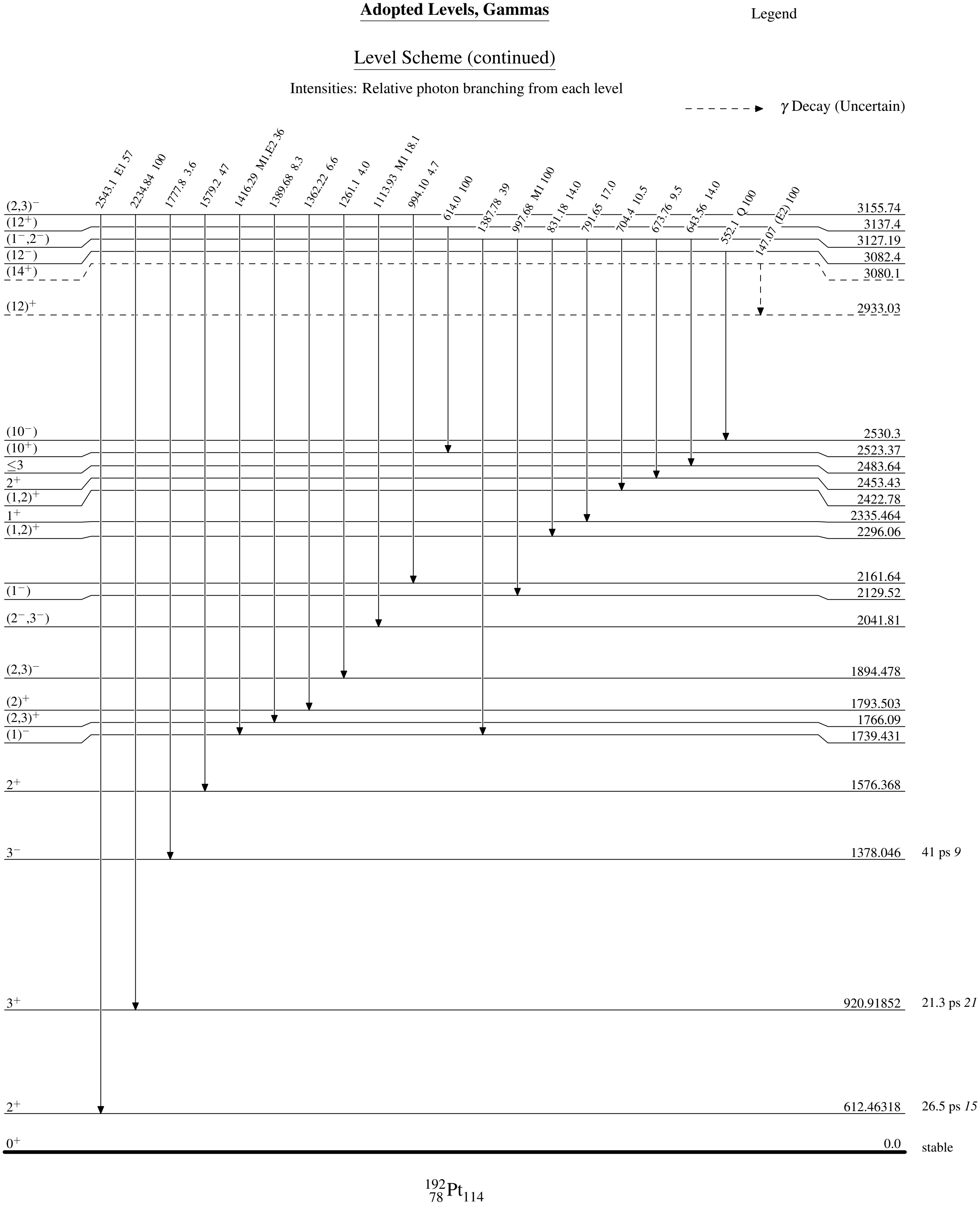
Intensities: Relative photon branching from each level

γ Decay (Uncertain)



$^{192}_{78}Pt_{114}$

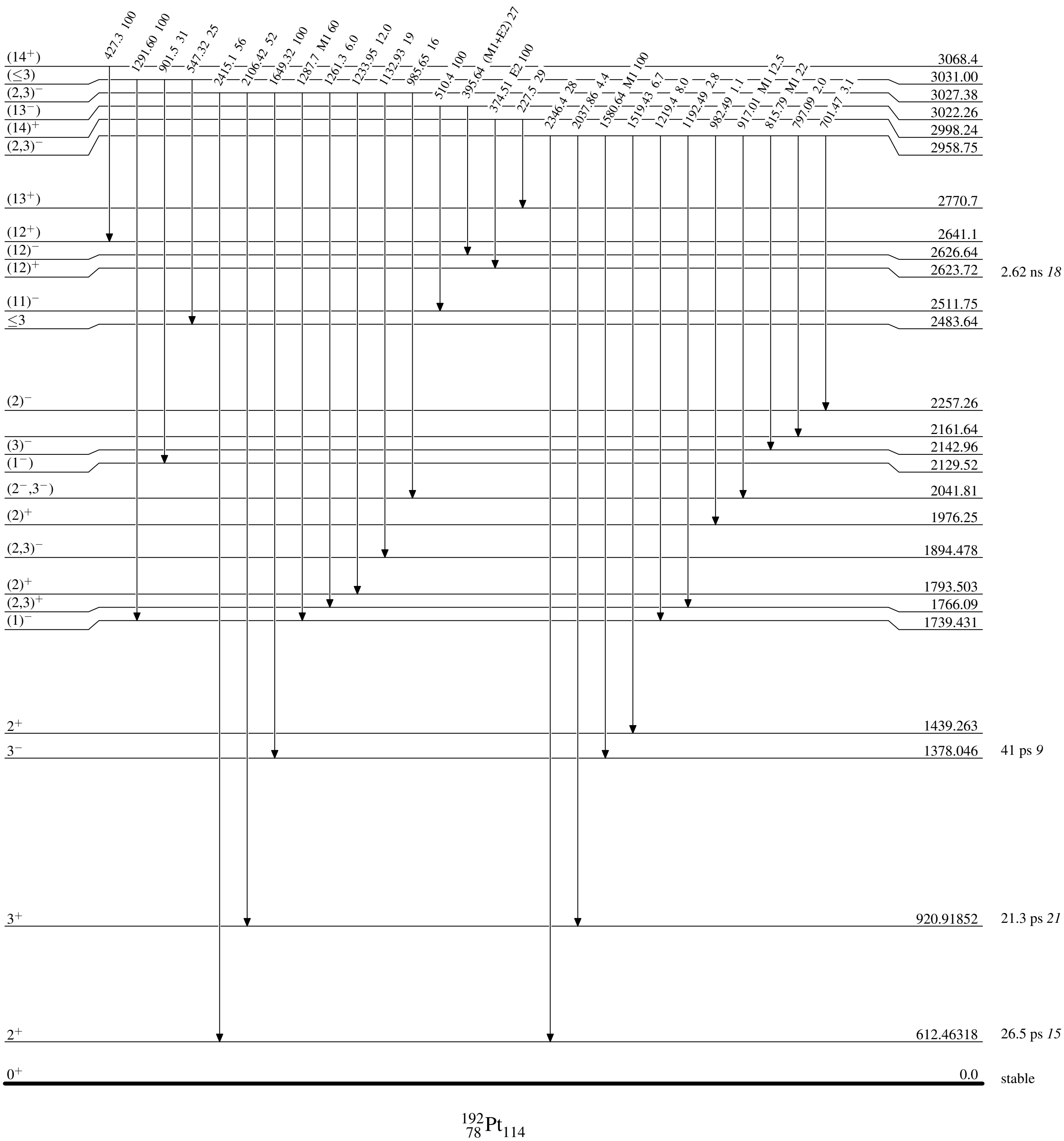
Adopted Levels, Gammas



Adopted Levels, Gammas

Level Scheme (continued)

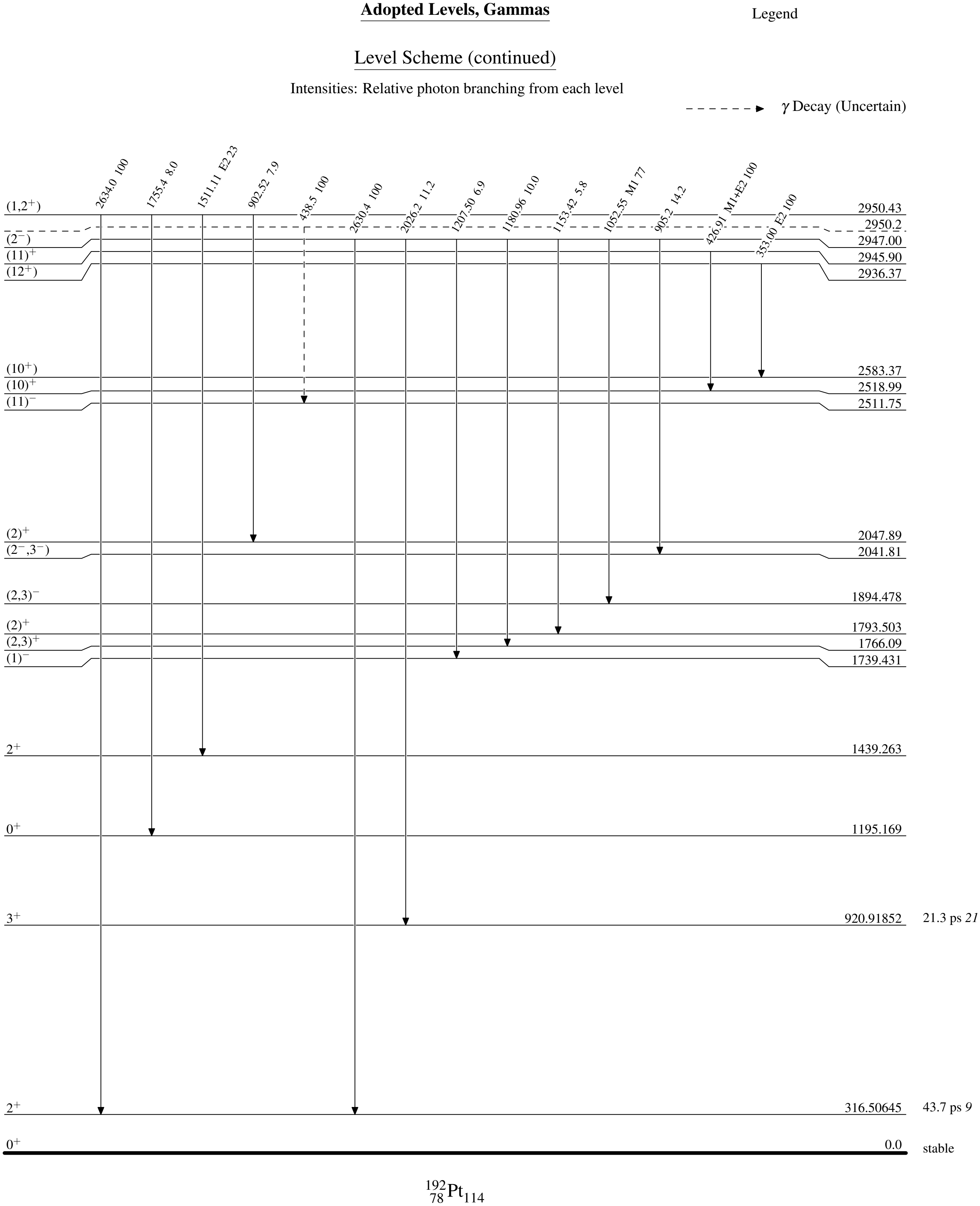
Intensities: Relative photon branching from each level



Adopted Levels, Gammas

Level Scheme (continued)

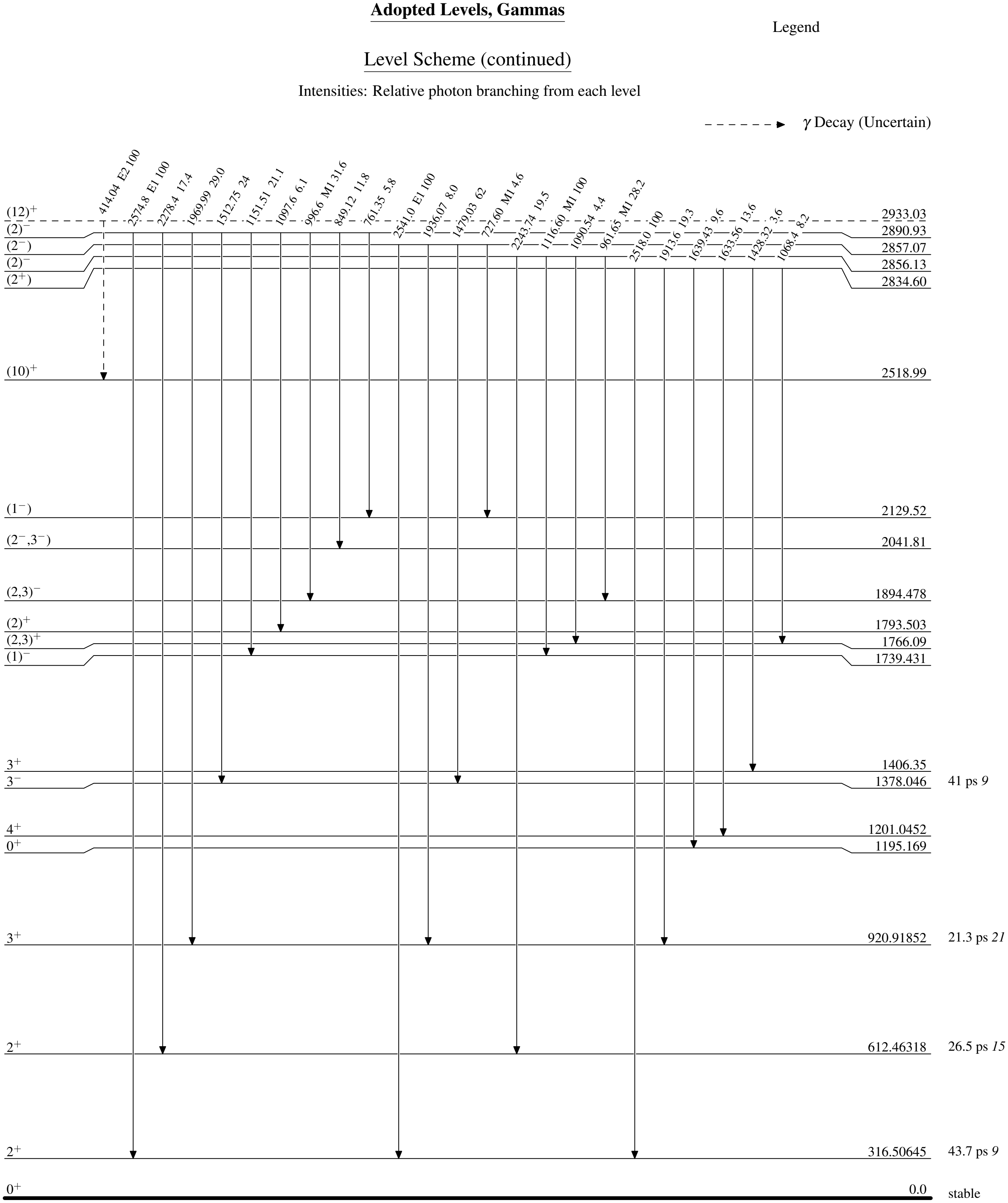
Intensities: Relative photon branching from each level



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

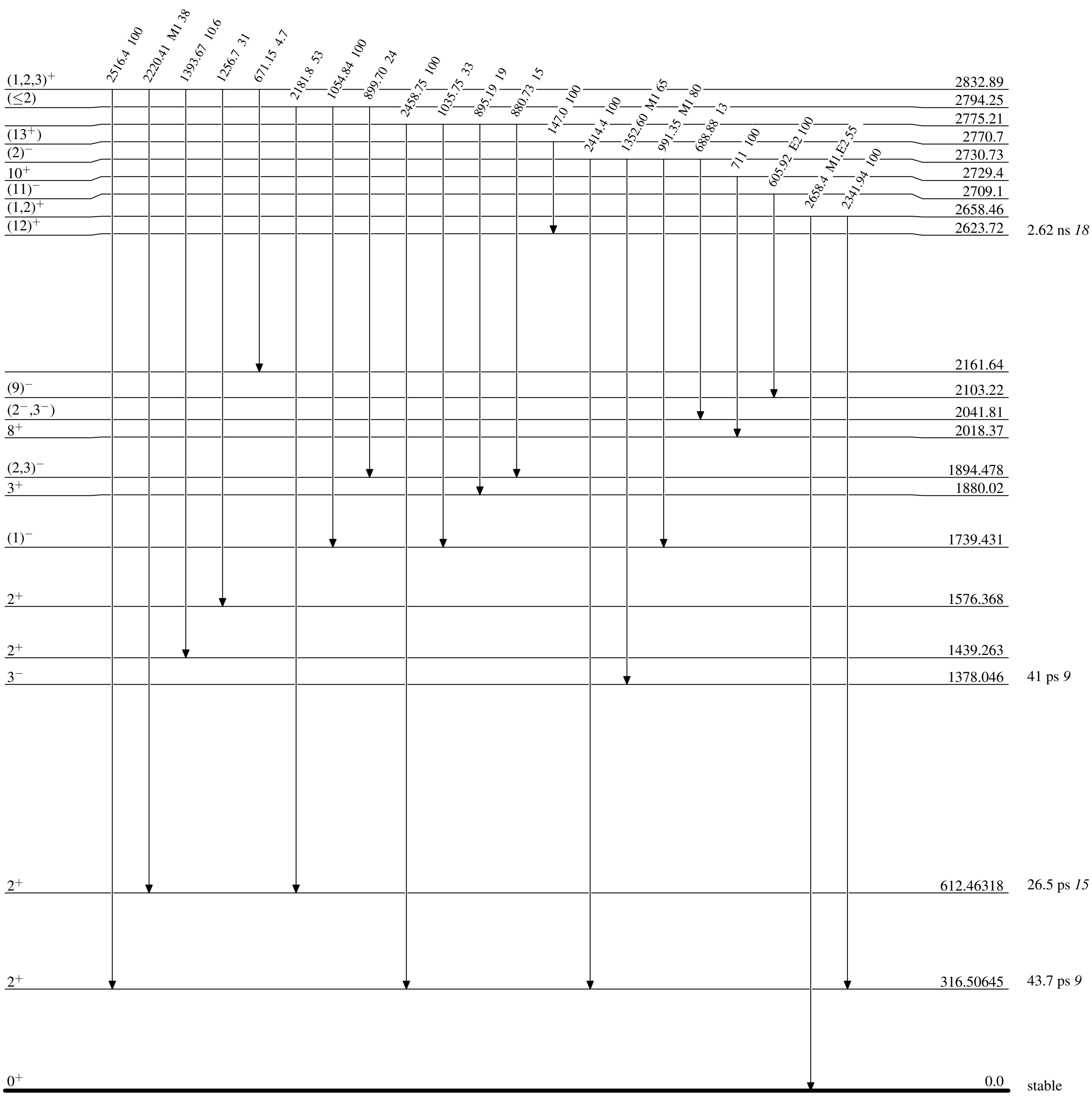


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

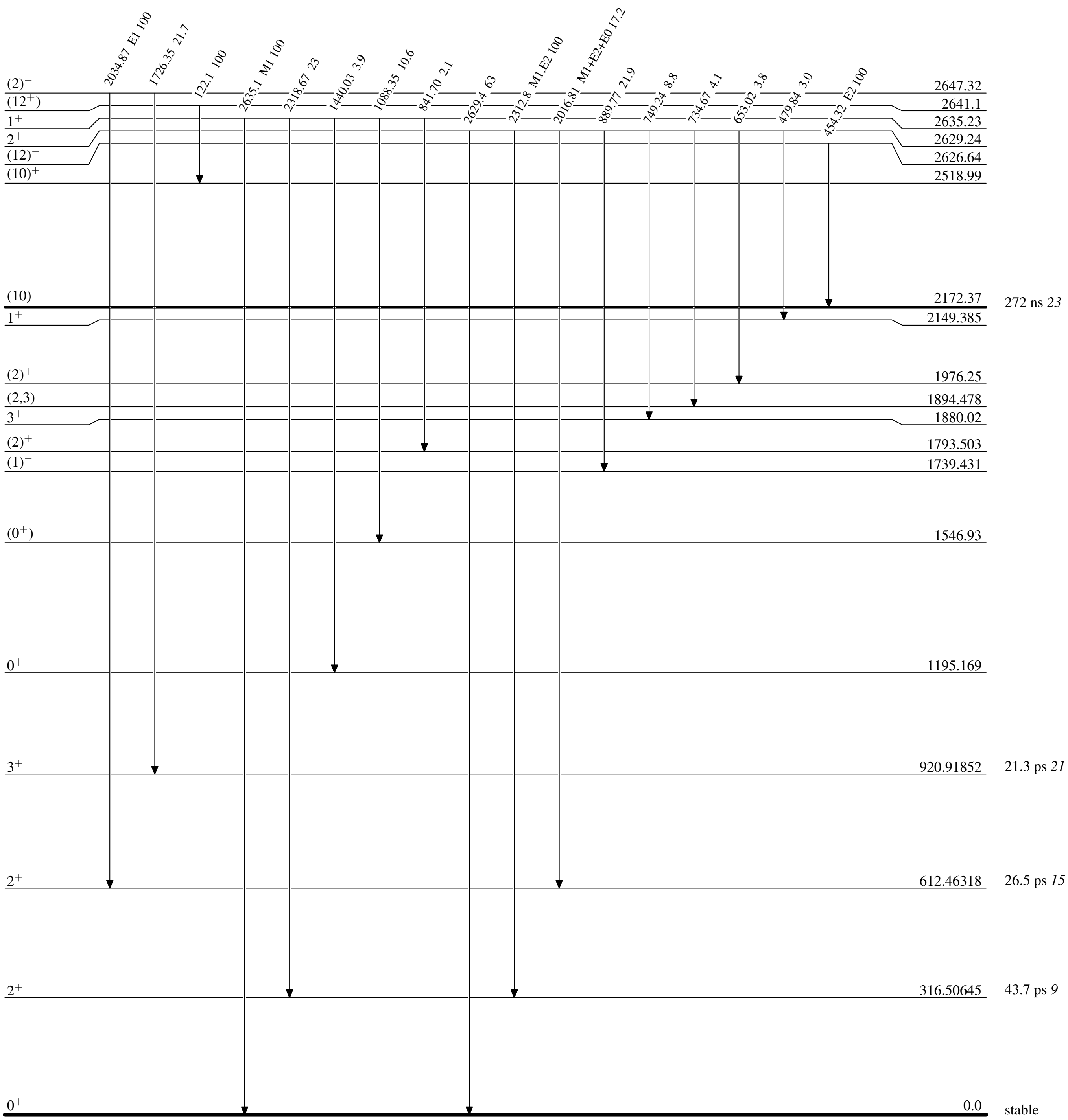


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



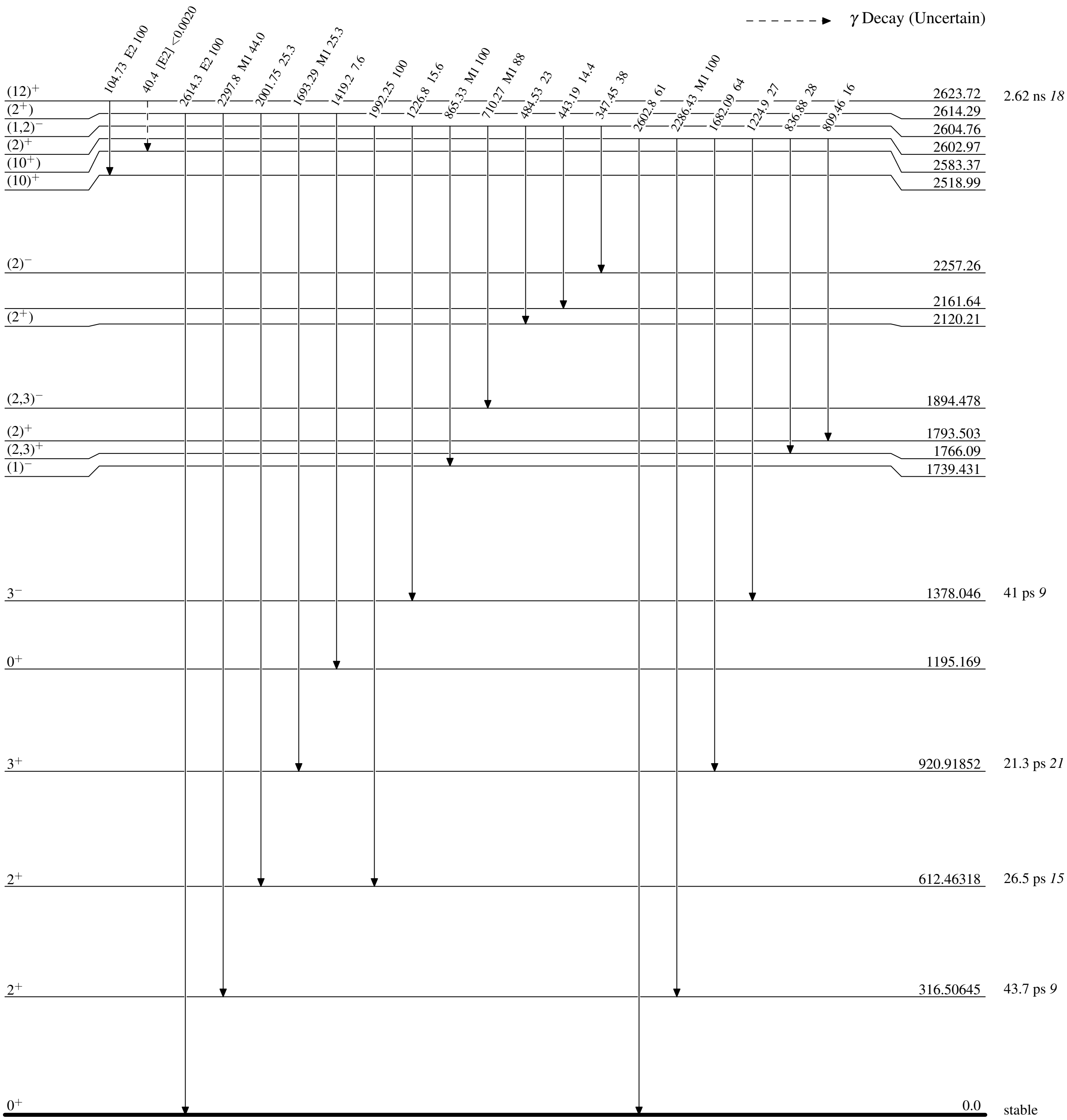
$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

Legend

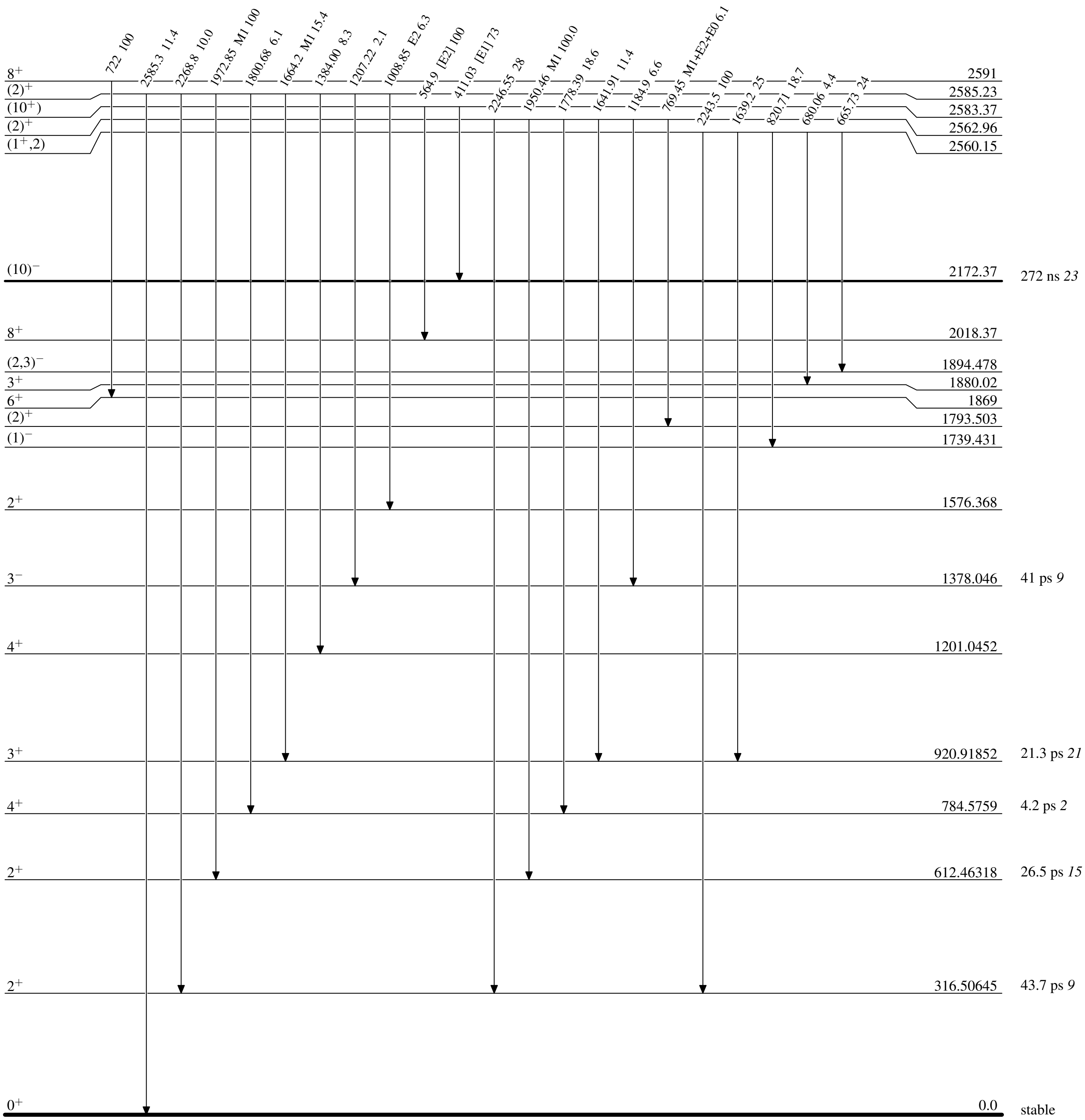


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

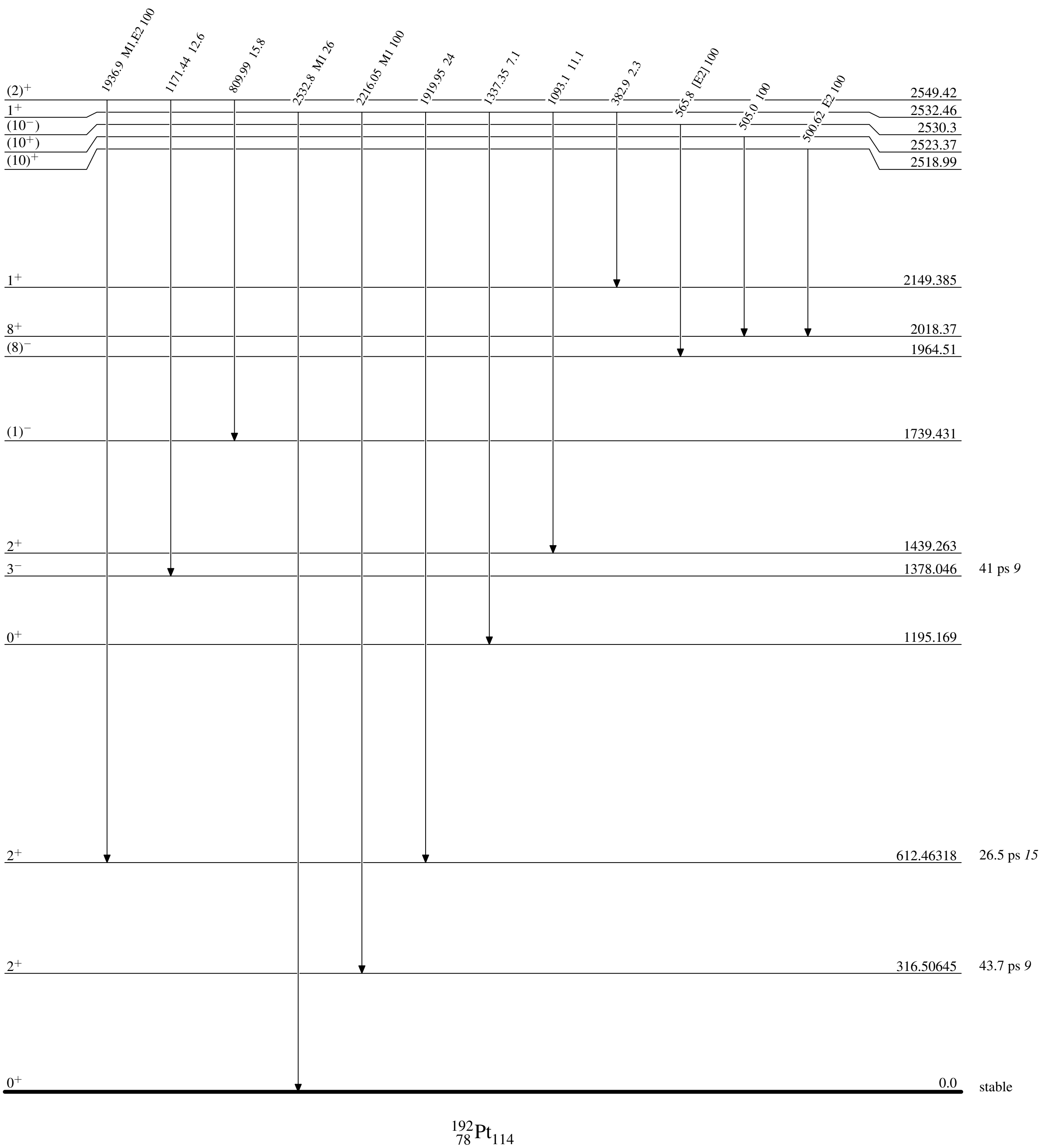


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

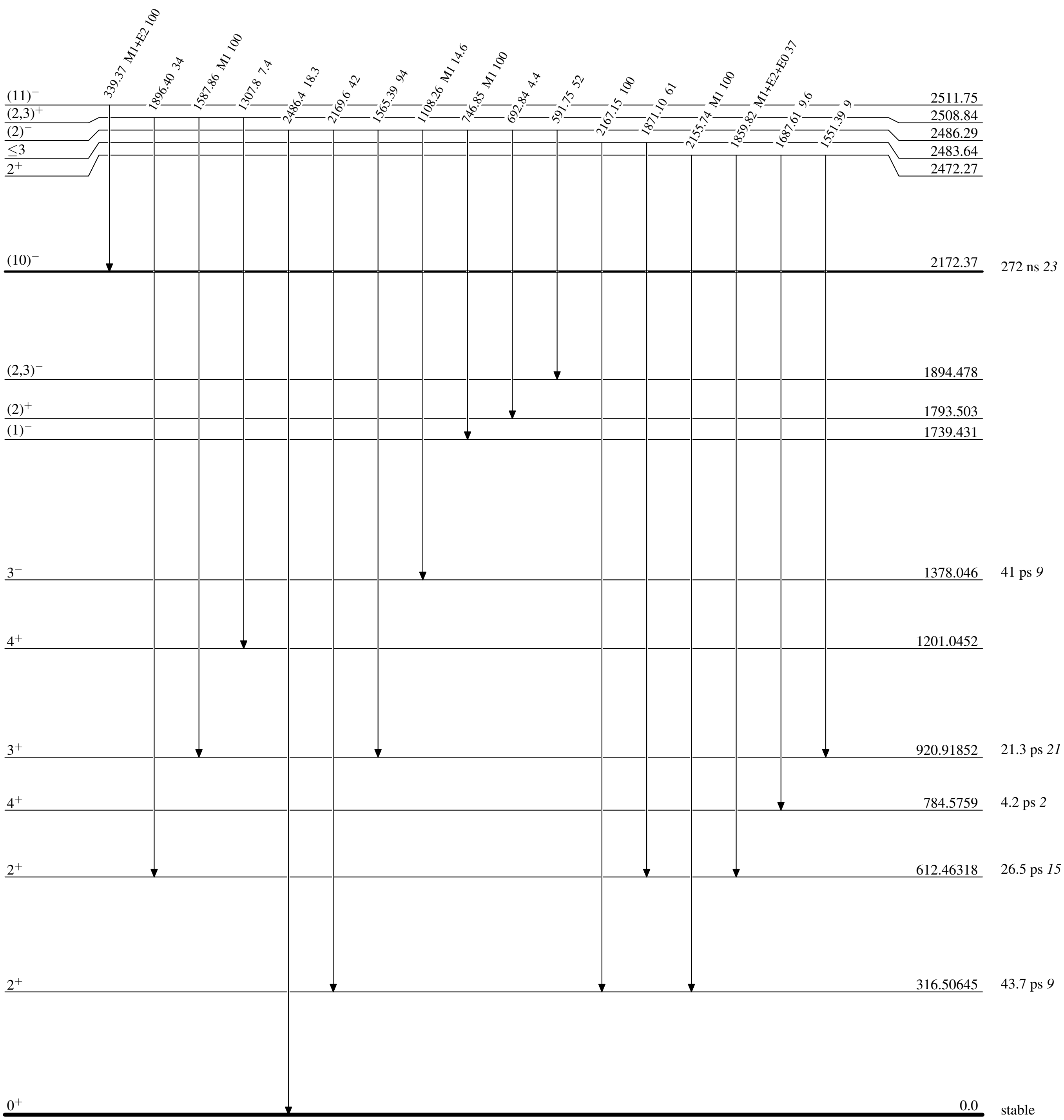
Intensities: Relative photon branching from each level



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

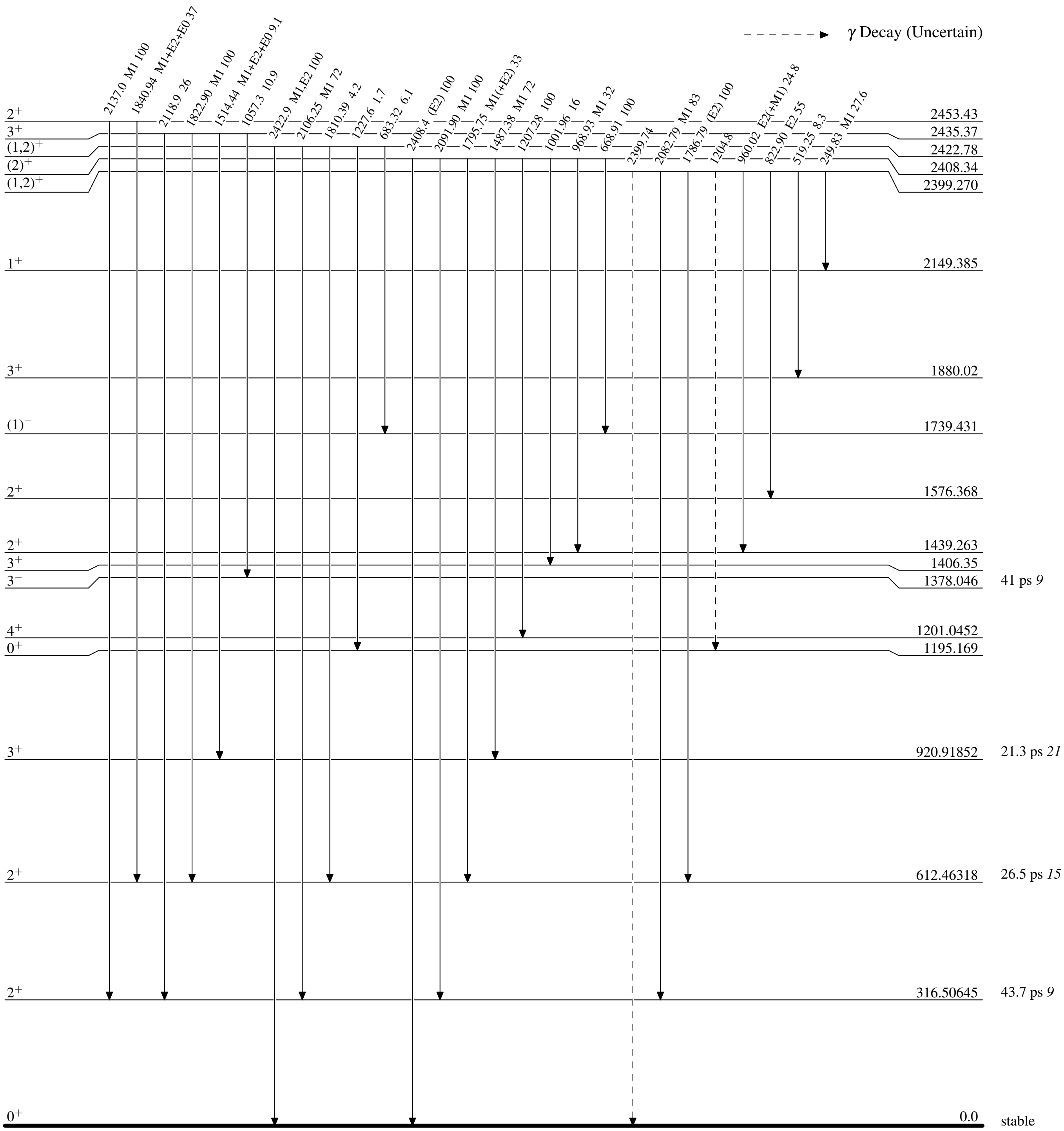


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

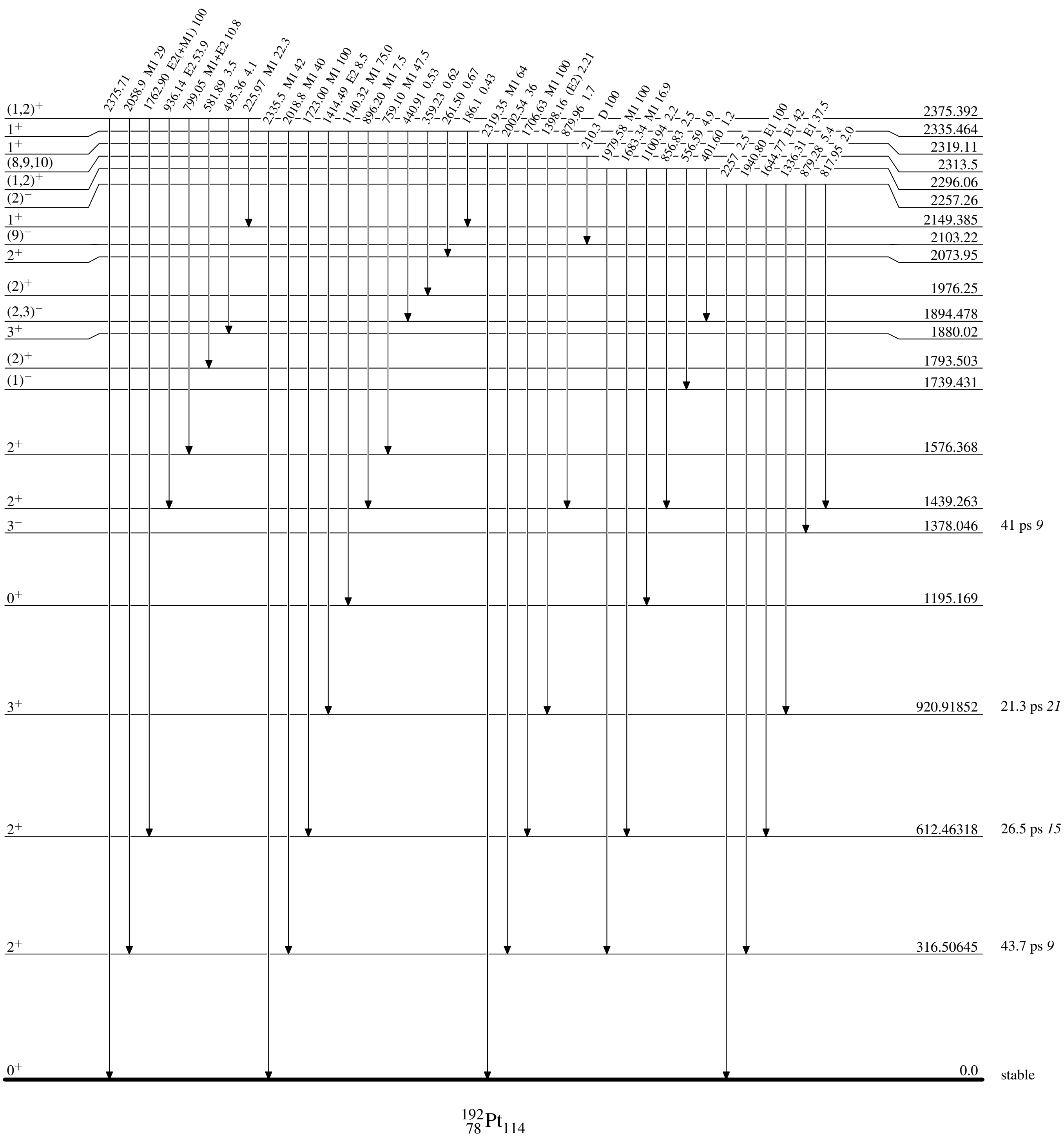


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

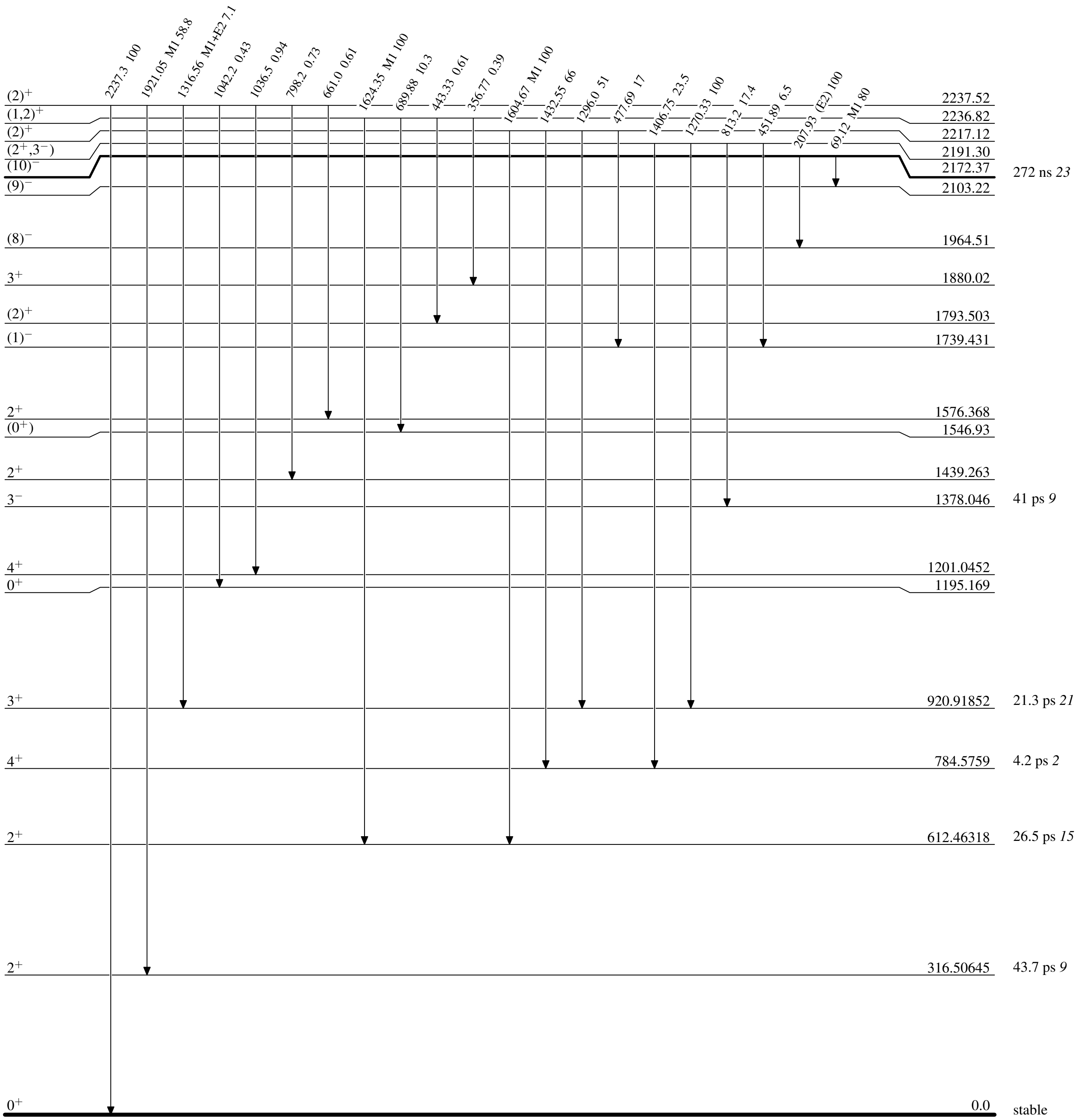
Intensities: Relative photon branching from each level



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

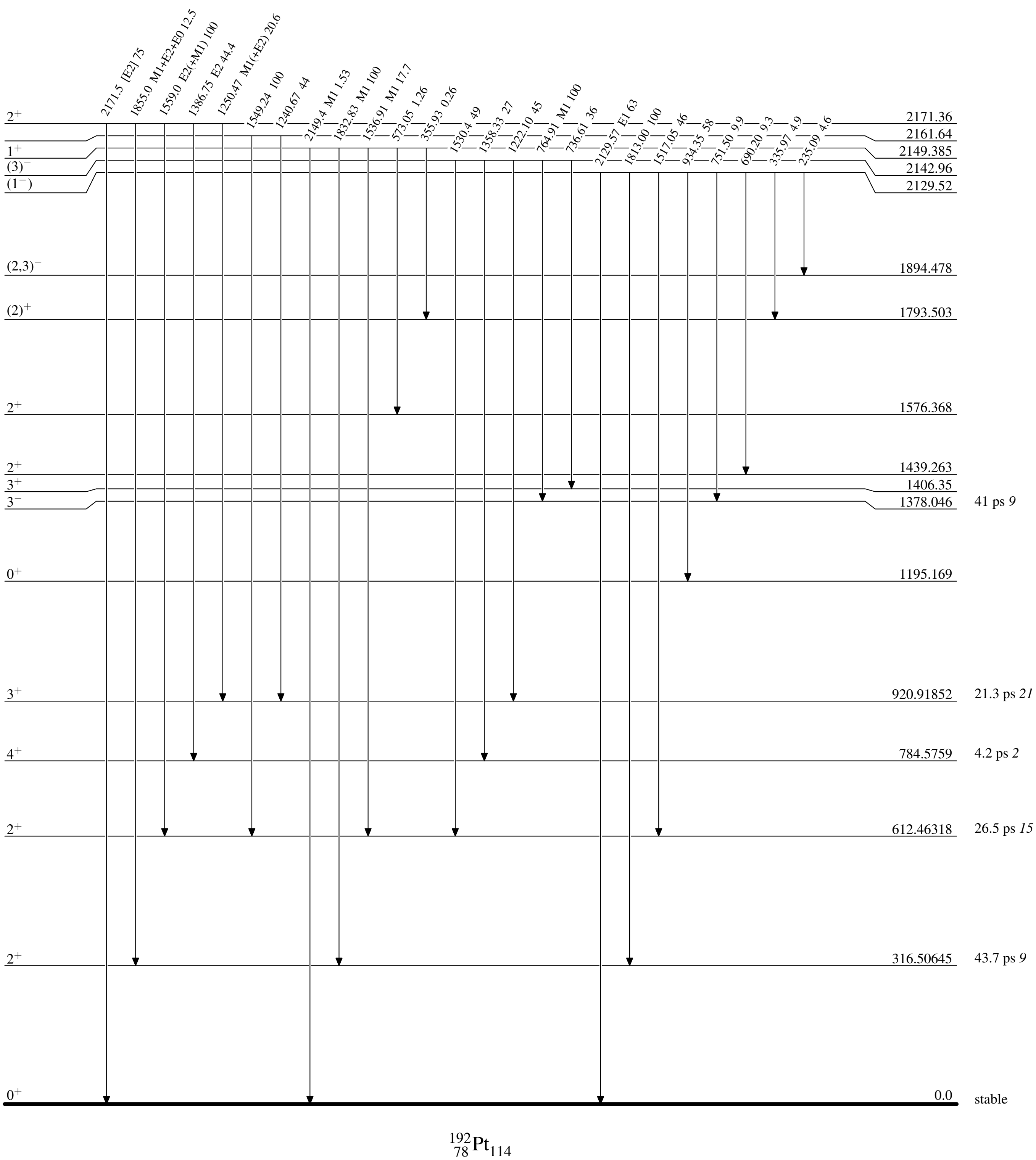


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

Level Scheme (continued)

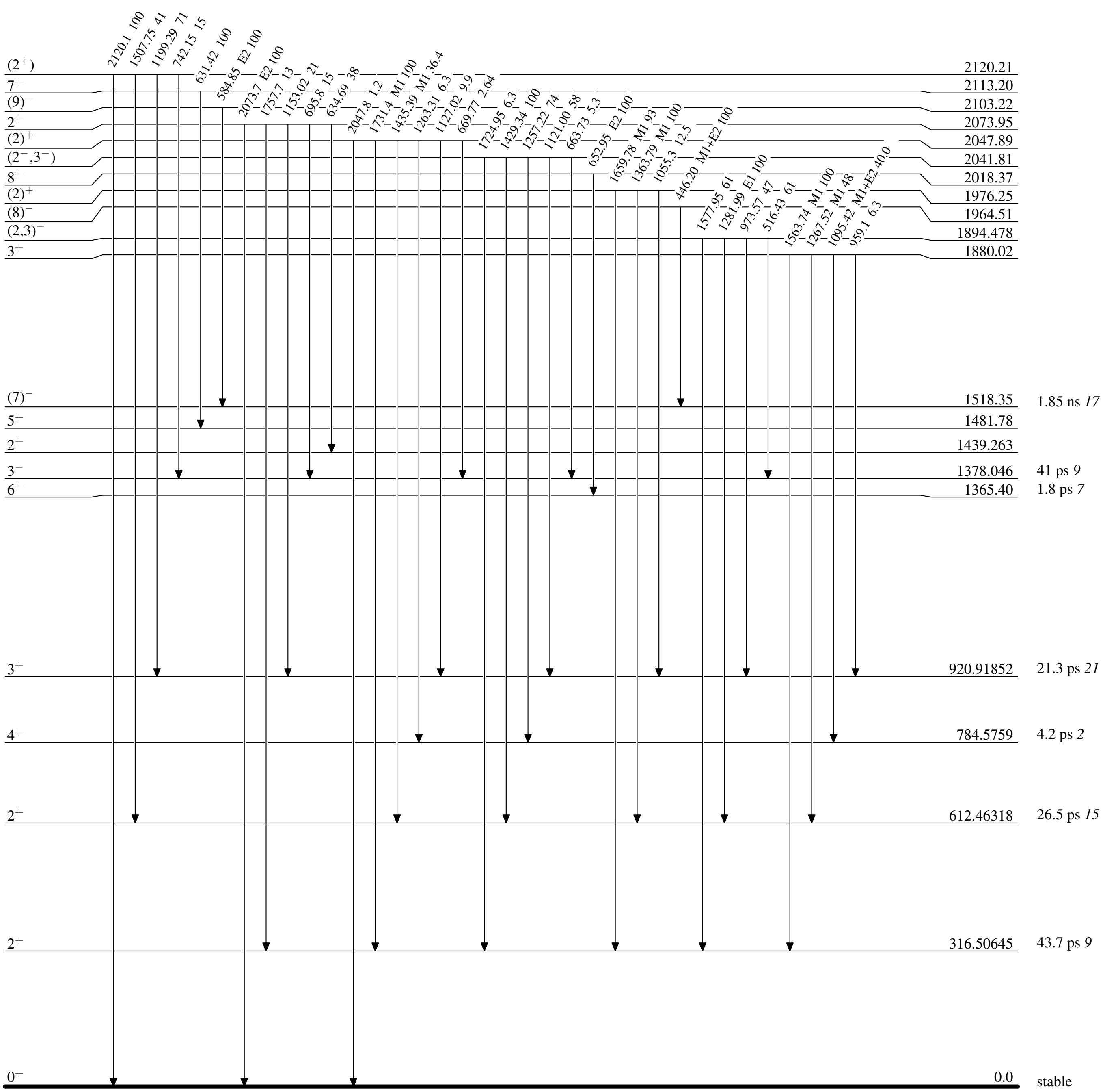
Intensities: Relative photon branching from each level



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{192}_{78}Pt_{114}$

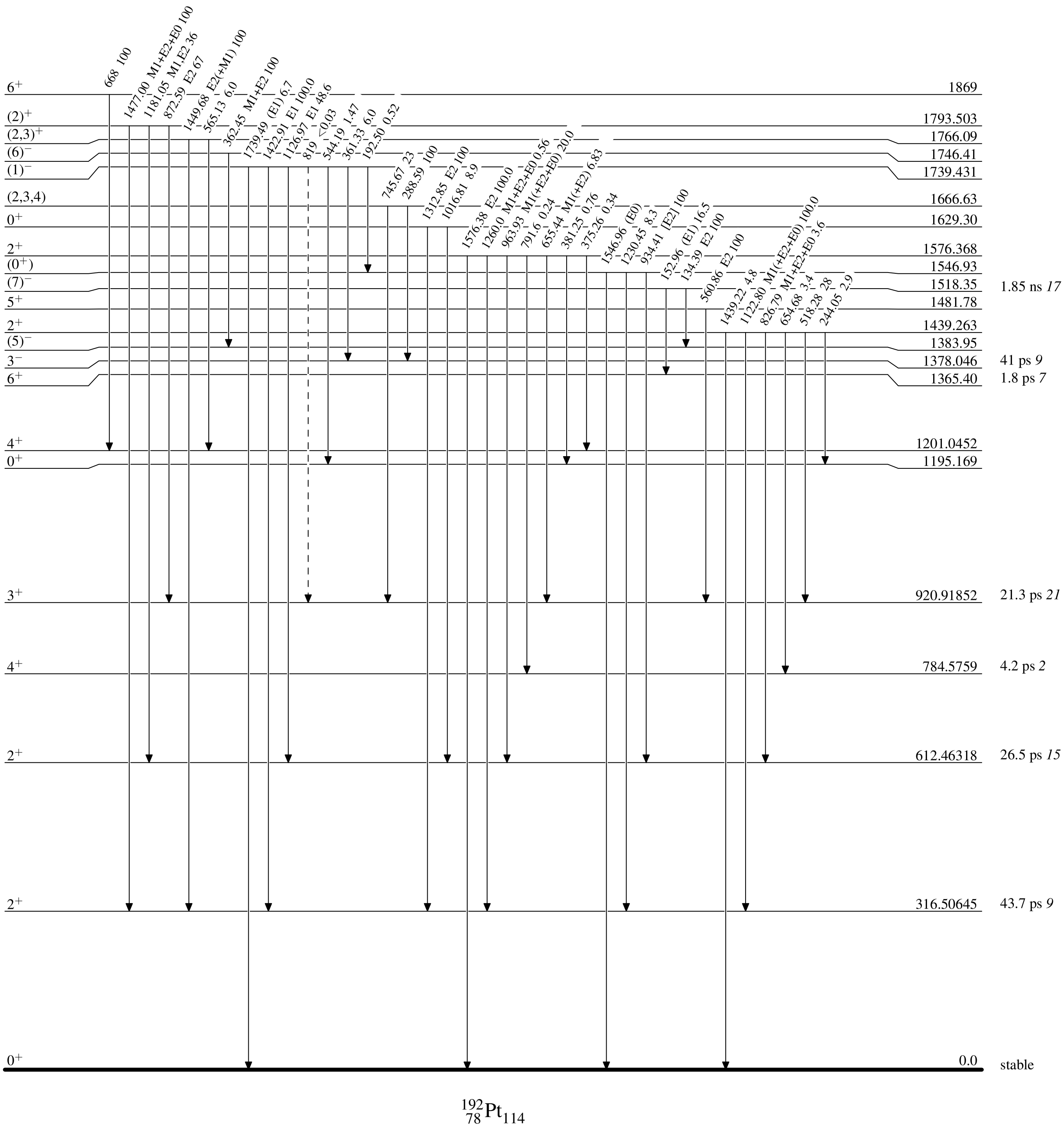
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

Legend

γ Decay (Uncertain)

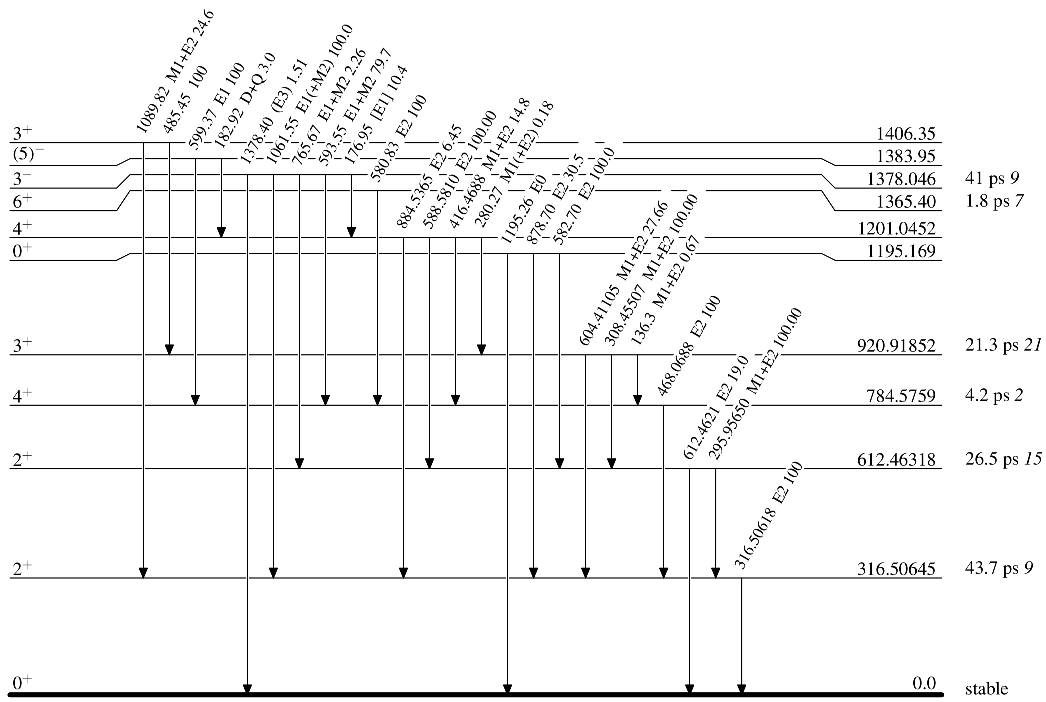


$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas

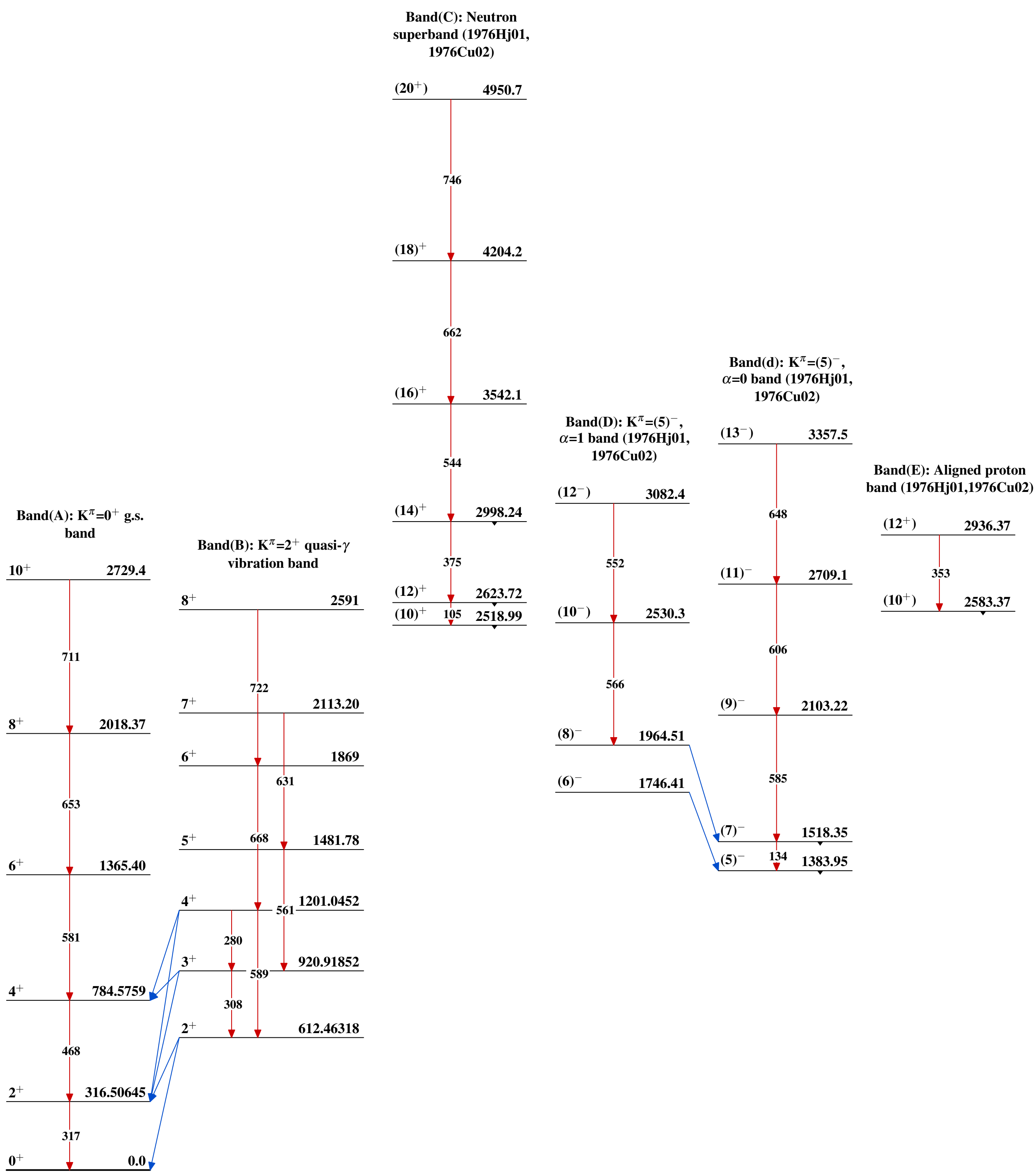
Level Scheme (continued)

Intensities: Relative photon branching from each level



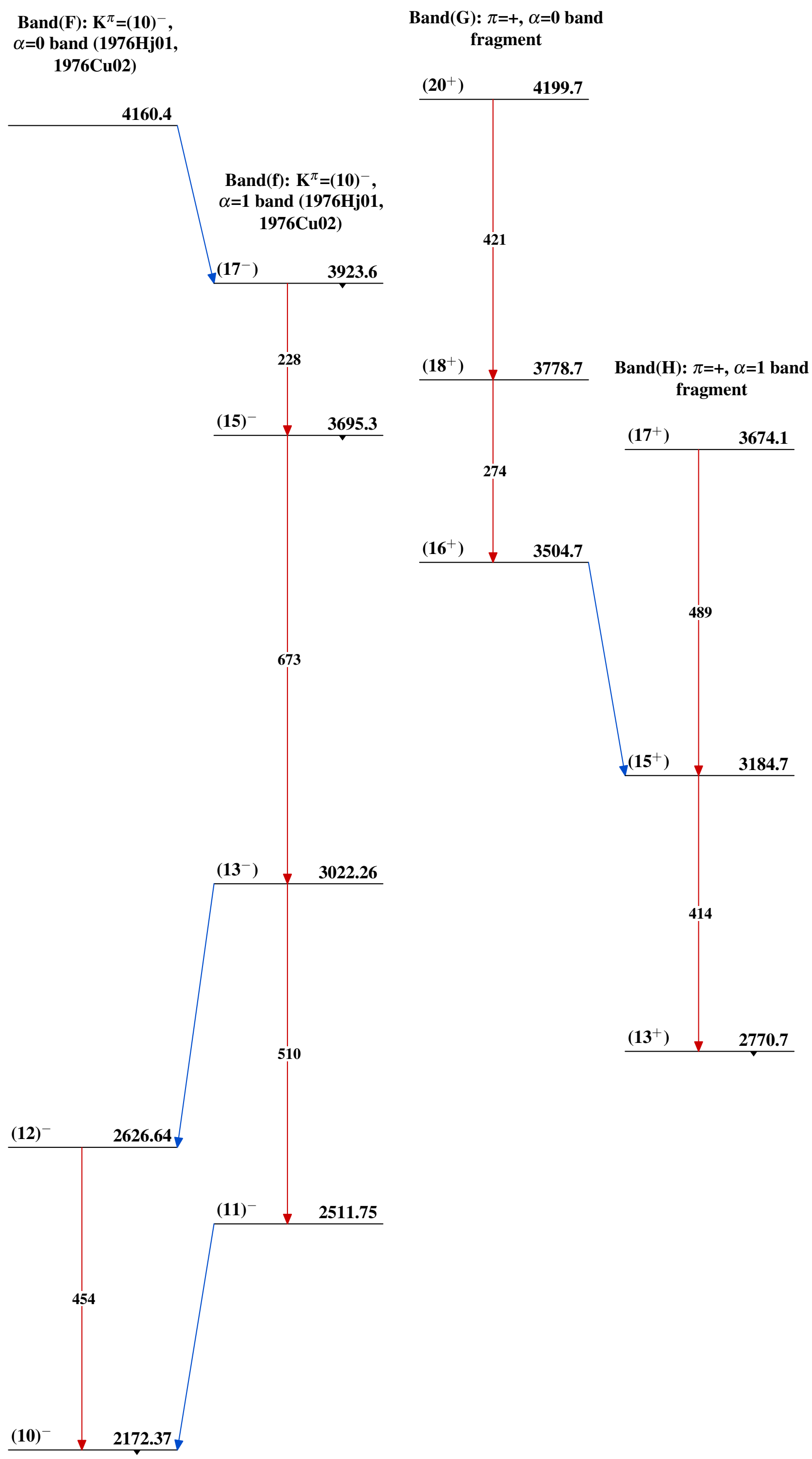
$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas



$^{192}_{78}Pt_{114}$

Adopted Levels, Gammas (continued)



$^{192}_{78}Pt_{114}$