^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

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

Parent: ^{192}Au: E=0.0; $J^\pi=1^-$; $T_{1/2}$=4.94 h *9*; Q(ε)=3516 *16*; %ε+%$β^+$ decay=100.0

Others: 1949Wi08, 1953Ew01, 1954Gi04, 1957Br53, 1957Hu89, 1962Ma18, 1970Er09, 1970Pl09, 1975ViZK, 1979Ka28.

2008Mc04: ^{192}Au from the reaction ^{186}W(^{11}B,5n) at E=60 MeV; YRAST ball array (9 Compton-suppressed segmented HPGe detectors); recorded γ spectra using (beam on)-(beam off) cycles of 4 h; measured Eγ (40-2800 keV), Iγ, γγ-coin; IBA-1 calculations including configuration mixing.

1972Fi12: sources from ^{192}Hg decay, chemistry; measured Eγ, Iγ (Ge(Li)), E(ce), Ice (Si(Li), unenumerated), ceγ coin, γγ coin.

1970Pl09: sources from ^{192}Hg decay, chemistry; measured Eγ, Iγ (Ge(Li), FWHM=2.3 keV at 661 keV).

1966Ny01: sources from Pt(p,xn), E(p)=60 MeV; measured E(ce), Ice (mag spect, resolution=0.10-0.15%), E$β^+$, I$β^+$ (double-focusing mag spect); supersedes 1965Ny01. See 1966Ny01 for additional ce peaks which probably belong to ^{192}Pt, but for which a definite nuclidic assignment was not possible.

The decay scheme is based on that proposed by 2008Mc04; additional data from 1966Ny01, 1970Pl09 and 1972Fi12 are included. More than 95% of the γ-ray intensity has been placed.

^{192}Pt Levels

The following levels for ^{192}Pt proposed earlier were not confirmed by 2008Mc04: 1133, 1182, 1189, 1278, 1308, 1353, 1514, 1823, 1883, 2200, 2464, 2757, 2909, 3146, 3360.

E(Q),J(Q) Data from ^{192}Au and ^{192}Ir decays uniquely determine J^π to be 3^-. However, the following suggest a 2^+ level also at about the same energy: α(K)exp=0.0031 *8* for 1378γ is more consistent with E2 than E3, and log *ft*=8.2 for the ε branch to 1378 level is far too low for a second-forbidden transition (log *ft*>11 expected); in addition, systematics, which show energies for third 2^+ levels smoothly increasing in ^{190}Pt, ^{194}Pt, and ^{196}Pt, predict a third 2^+ level in ^{192}Pt at 1360 *40* keV.

E(level)†	J^π‡	$T_{1/2}$‡	E(level)†	J^π‡
0.0	0^+	stable	2149.385 *23*	1^+
316.50645 *15*	2^+	43.7 ps *9*	2161.64 *4*	
612.46318 *18*	2^+	26.5 ps *15*	2171.37 *4*	2^+
784.5759 *4*	4^+	4.2 ps *2*	2191.30 *4*	$(2^+,3^-)$
920.91852 *22*	3^+	21.3 ps *21*	2217.12 *6*	$(2)^+$
1195.170 *18*	0^+		2236.82 *3*	$(1,2)^+$
1201.0452 *5*	4^+		2237.52 *4*	$(2)^+$
1378.054 *17*	3^-	41 ps *9*	2257.26 *3*	$(2)^-$
1383.88 *10*	$(5)^-$		2296.06 *4*	$(1,2)^+$
1406.35 *4*	3^+		2319.11 *3*	1^+
1439.263 *20*	2^+		2335.465 *19*	1^+
1546.93 *4*	(0^+)		2375.392 *25*	$(1,2)^+$
1576.368 *17*	2^+		2399.270 *24*	$(1,2)^+$
1629.30 *6*	0^+		2408.34 *3*	$(2)^+$
1666.63 *5*	(2,3,4)		2422.78 *4*	$(1,2)^+$
1739.432 *15*	$(1)^-$		2435.37 *6*	3^+
1766.09 *4*	$(2,3)^+$		2453.43 *8*	2^+
1793.503 *24*	$(2)^+$		2472.27 *5*	2^+
1880.02 *4*	3^+		2483.64 *5*	≤3
1894.479 *20*	$(2,3)^-$		2486.29 *4*	$(2)^-$
1976.25 *4*	$(2)^+$		2508.84 *6*	$(2,3)^+$
2041.81 *3*	$(2^-,3^-)$		2532.46 *5*	1^+
2047.89 *4*	$(2)^+$		2549.42 *7*	$(2)^+$
2073.95 *4*	2^+		2560.15 *5*	$(1^+,2)$
2120.21 *5*	(2^+)		2562.96 *5*	$(2)^+$
2129.52 *3*	(1^-)		2585.23 *5*	$(2)^+$
2142.96 *4*	$(3)^-$		2602.97 *4*	$(2)^+$

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^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

^{192}Pt Levels (continued)

E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡	E(level)†	Jπ‡
2604.76 *4*	$(1,2)^-$	2730.73 *5*	$(2)^-$	2857.07 *5*	(2^-)	3031.00 *7*	(≤3)
2614.29 *9*	(2^+)	2775.21 *6*		2890.93 *4*	$(2)^-$	3127.19 *4*	$(1^-,2^-)$
2629.24 *4*	2^+	2794.26 *7*	(≤2)	2947.001 *5*	(2^-)	3155.74 *4*	$(2,3)^-$
2635.23 *6*	1^+	2832.89 *7*	$(1,2)^+$	2950.43 *9*	$(1,2^+)$	3189.52 *7*	$(2,3^-)$
2647.32 *6*	$(2)^-$	2834.60 *6*	(2^+)	2958.75 *4*	$(2,3)^-$		
2658.46 *9*	$(1,2)^+$	2856.13 *5*	$(2)^-$	3027.39 *5*	$(2,3)^-$		

† From least-squares fit to Eγ.
‡ Adopted values.

ε,β+ radiations

ε+β+ feedings to excited states are from intensity imbalance at each level; g.s. feeding was determined from absolute intensity of 316.5γ (see comment with Iγ normalization).

E(decay)	E(level)	Iε†	Log *ft*	I(ε+β+)†	Comments
(326 *16*)	3189.52	0.116 *16*	7.44 *9*	0.116 *16*	εK=0.740 *6*; εL=0.195 *4*; εM+=0.0657 *16*
(360 *16*)	3155.74	0.89 *12*	6.66 *8*	0.89 *12*	εK=0.750 *5*; εL=0.188 *4*; εM+=0.0629 *13*
(389 *16*)	3127.19	0.24 *4*	7.31 *9*	0.24 *4*	εK=0.756 *4*; εL=0.183 *3*; εM+=0.0610 *10*
(485 *16*)	3031.00	0.129 *17*	7.81 *7*	0.129 *17*	εK=0.7717 *21*; εL=0.1716 *15*; εM+=0.0567 *6*
(489 *16*)	3027.39	0.47 *6*	7.25 *7*	0.47 *6*	εK=0.7722 *20*; εL=0.1713 *15*; εM+=0.0565 *6*
(557 *16*)	2958.75	0.72 *9*	7.20 *7*	0.72 *9*	εK=0.7793 *15*; εL=0.1662 *11*; εM+=0.0545 *4*
(566 *16*)	2950.43	0.099 *22*	8.07 *10*	0.099 *22*	εK=0.7800 *15*; εL=0.1657 *11*; εM+=0.0543 *4*
(569 *16*)	2947.001	0.35 *5*	7.53 *7*	0.35 *5*	εK=0.7803 *14*; εL=0.1655 *10*; εM+=0.0543 *4*
(625 *16*)	2890.93	0.55 *8*	7.43 *7*	0.55 *8*	εK=0.7845 *12*; εL=0.1624 *8*; εM+=0.0531 *4*
(659 *16*)	2857.07	0.40 *5*	7.61 *6*	0.40 *5*	εK=0.7867 *10*; εL=0.1609 *8*; εM+=0.0525 *3*
(660 *16*)	2856.13	0.35 *5*	7.67 *7*	0.35 *5*	εK=0.7867 *10*; εL=0.1608 *7*; εM+=0.0525 *3*
(681 *16*)	2834.60	0.25 *5*	7.85 *9*	0.25 *5*	εK=0.7880 *10*; εL=0.1599 *7*; εM+=0.0521 *3*
(683 *16*)	2832.89	0.35 *5*	7.71 *7*	0.35 *5*	εK=0.7880 *9*; εL=0.1599 *7*; εM+=0.0521 *3*
(722 *16*)	2794.26	0.071 *11*	8.45 *8*	0.071 *11*	εK=0.7900 *8*; εL=0.1584 *6*; εM+=0.05154 *23*
(741 *16*)	2775.21	0.108 *15*	8.30 *7*	0.108 *15*	εK=0.7909 *8*; εL=0.1578 *6*; εM+=0.05129 *21*
(785 *16*)	2730.73	0.23 *3*	8.02 *6*	0.23 *3*	εK=0.7929 *7*; εL=0.1564 *5*; εM+=0.05075 *19*
(858 *16*)	2658.46	0.128 *18*	8.36 *7*	0.128 *18*	εK=0.7955 *6*; εL=0.1545 *4*; εM+=0.05002 *15*
(869 *16*)	2647.32	0.86 *16*	7.55 *9*	0.86 *16*	εK=0.7959 *6*; εL=0.1542 *4*; εM+=0.04992 *15*
(881 *16*)	2635.23	0.58 *10*	7.73 *8*	0.58 *10*	εK=0.7962 *5*; εL=0.1539 *4*; εM+=0.04981 *15*
(887 *16*)	2629.24	0.83 *12*	7.58 *7*	0.83 *12*	εK=0.7964 *5*; εL=0.1538 *4*; εM+=0.04976 *14*
(902 *16*)	2614.29	0.90 *13*	7.56 *7*	0.90 *13*	εK=0.7969 *5*; εL=0.1535 *4*; εM+=0.04963 *14*
(911 *16*)	2604.76	0.36 *5*	7.97 *7*	0.36 *5*	εK=0.7972 *5*; εL=0.1533 *4*; εM+=0.04956 *14*
(913 *16*)	2602.97	0.24 *4*	8.15 *8*	0.24 *4*	εK=0.7972 *5*; εL=0.1532 *4*; εM+=0.04954 *13*
(931 *16*)	2585.23	0.54 *8*	7.81 *7*	0.54 *8*	εK=0.7977 *5*; εL=0.1529 *4*; εM+=0.04940 *13*
(953 *16*)	2562.96	0.87 *11*	7.63 *6*	0.87 *11*	εK=0.7983 *5*; εL=0.1524 *3*; εM+=0.04924 *12*
(956 *16*)	2560.15	0.23 *4*	8.21 *8*	0.23 *4*	εK=0.7984 *5*; εL=0.1524 *3*; εM+=0.04922 *12*
(967 *16*)	2549.42	0.144 *19*	8.42 *6*	0.144 *19*	εK=0.7987 *5*; εL=0.1522 *3*; εM+=0.04914 *12*
(984 *16*)	2532.46	0.70 *9*	7.75 *6*	0.70 *9*	εK=0.7991 *4*; εL=0.1519 *3*; εM+=0.04902 *11*
(1007 *16*)	2508.84	0.29 *4*	8.16 *7*	0.29 *4*	εK=0.7997 *4*; εL=0.1515 *3*; εM+=0.04887 *11*
(1030 *16*)	2486.29	0.93 *12*	7.67 *6*	0.93 *12*	εK=0.8002 *4*; εL=0.1511 *3*; εM+=0.04872 *10*
(1032 *16*)	2483.64	0.18 *3*	8.39 *8*	0.18 *3*	εK=0.8002 *4*; εL=0.1511 *3*; εM+=0.04871 *10*
(1044 *16*)	2472.27	0.21 *4*	8.33 *9*	0.21 *4*	εK=0.8005 *4*; εL=0.1509 *3*; εM+=0.04864 *10*
(1063 *16*)	2453.43	0.23 *4*	8.31 *8*	0.23 *4*	εK=0.8009 *4*; εL=0.15060 *25*; εM+=0.04853 *10*
(1081 *16*)	2435.37	0.26 *4*	8.87[1u] *8*	0.26 *4*	εK=0.7763 *9*; εL=0.1682 *6*; εM+=0.05550 *24*
(1093 *16*)	2422.78	1.9 *3*	7.42 *7*	1.9 *3*	εK=0.8015 *4*; εL=0.15016 *23*; εM+=0.04836 *9*

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^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ †	Iε†	Log *ft*	I(ε+β+)†	Comments
(1108 *16*)	2408.34		0.59 *8*	7.94 *6*	0.59 *8*	εK=0.8018 *3*; εL=0.14996 *23*; εM+=0.04828 *9*
(1117 *16*)	2399.270		2.7 *4*	7.28 *7*	2.7 *4*	εK=0.8019 *3*; εL=0.14983 *22*; εM+=0.04823 *9*
(1141 *16*)	2375.392		1.8 *3*	7.48 *8*	1.8 *3*	εK=0.8024 *3*; εL=0.14952 *21*; εM+=0.04811 *8*
(1181 *16*)	2335.465		11.4 *14*	6.71 *6*	11.4 *14*	εK=0.8030 *3*; εL=0.14903 *20*; εM+=0.04793 *8*
(1197 *16*)	2319.11		4.0 *5*	7.18 *6*	4.0 *5*	εK=0.8033 *3*; εL=0.14883 *19*; εM+=0.04785 *8*
(1220 *16*)	2296.06		0.96 *17*	7.81 *8*	0.96 *17*	εK=0.8037 *3*; εL=0.14857 *18*; εM+=0.04775 *7*
(1259 *16*)	2257.26		2.6 *4*	7.41 *7*	2.6 *4*	εK=0.8042 *3*; εL=0.14815 *17*; εM+=0.04759 *7*
(1278 *16*)	2237.52		8.0 *10*	6.93 *6*	8.0 *10*	εK=0.8045 *3*; εL=0.14795 *17*; εM+=0.04751 *7*
(1279 *16*)	2236.82		2.2 *3*	7.50 *6*	2.2 *3*	εK=0.8045 *3*; εL=0.14794 *17*; εM+=0.04751 *7*
(1299 *16*)	2217.12		0.138 *19*	8.71 *7*	0.138 *19*	εK=0.8048 *2*; εL=0.14775 *16*; εM+=0.04743 *7*
(1325 *16*)	2191.30		0.20 *3*	8.57 *7*	0.20 *3*	εK=0.8051 *2*; εL=0.14750 *16*; εM+=0.04734 *6*
(1345 *16*)	2171.37		2.4 *4*	7.50 *8*	2.4 *4*	εK=0.8053 *2*; εL=0.14731 *15*; εM+=0.04727 *6*
(1354 *16*)	2161.64		0.17 *3*	8.66 *8*	0.17 *3*	εK=0.8054 *2*; εL=0.14722 *15*; εM+=0.04723 *6*
(1367 *16*)	2149.385		2.7 *4*	7.47 *7*	2.7 *4*	εK=0.8055 *2*; εL=0.1471 *2*; εM+=0.04719 *6*
(1373 *16*)	2142.96		0.069 *17*	9.06 *11*	0.069 *17*	εK=0.8056 *2*; εL=0.1470 *2*; εM+=0.04717 *6*
(1386 *16*)	2129.52		1.09 *14*	7.87 *6*	1.09 *14*	εK=0.8057 *2*; εL=0.1469 *2*; εM+=0.04712 *6*
(1396 *16*)	2120.21		0.110 *18*	8.88 *8*	0.110 *18*	εK=0.8058 *2*; εL=0.1468 *2*; εM+=0.04709 *6*
(1442 *16*)	2073.95		0.19 *3*	8.67 *7*	0.19 *3*	εK=0.8062 *2*; εL=0.1464 *2*; εM+=0.04694 *6*
(1468 *16*)	2047.89		1.11 *14*	7.92 *6*	1.11 *14*	εK=0.8063 *1*; εL=0.1462 *2*; εM+=0.04686 *5*
(1474 *16*)	2041.81		0.075 *18*	9.09 *11*	0.075 *18*	εK=0.8064 *1*; εL=0.1462 *2*; εM+=0.04684 *5*
(1540 *16*)	1976.25	0.00031 *6*	0.30 *4*	8.53 *6*	0.30 *4*	av Eβ=253.2 *72*; εK=0.8067; εL=0.1457 *2*; εM+=0.04664 *5*
(1622 *16*)	1894.479	0.00090 *16*	0.48 *7*	8.37 *7*	0.48 *7*	av Eβ=289.6 *71*; εK=0.8067; εL=0.1450 *2*; εM+=0.04640 *5*
(1636 *16*)	1880.02	0.00062 *18*	0.30 *8*	8.59 *12*	0.30 *8*	av Eβ=296.0 *71*; εK=0.8067; εL=0.1449 *2*; εM+=0.04636 *5*
(1722 *16*)	1793.503	0.00082 *16*	0.24 *4*	8.73 *8*	0.24 *4*	av Eβ=334.3 *74*; εK=0.8063 *2*; εL=0.1442 *2*; εM+=0.04611 *5*
(1750 *16*)	1766.09	0.00049 *11*	0.124 *25*	9.03 *9*	0.124 *25*	av Eβ=346.4 *69*; εK=0.8060 *2*; εL=0.1440 *2*; εM+=0.04603 *5*
(1777 *16*)	1739.432	0.018 *3*	4.0 *5*	7.54 *6*	4.0 *5*	av Eβ=358.0 *71*; εK=0.8057 *2*; εL=0.1438 *2*; εM+=0.04596 *5*
(1849 *16*)	1666.63	0.00038 *6*	0.060 *9*	9.40 *7*	0.060 *9*	av Eβ=390.1 *71*; εK=0.8047 *3*; εL=0.1432 *2*; εM+=0.04574 *5*
(1887 *16*)	1629.30	0.0025 *5*	0.34 *6*	8.66 *8*	0.34 *6*	av Eβ=406.5 *71*; εK=0.8041 *4*; εL=0.14284 *15*; εM+=0.04562 *5*
(1940 *16*)	1576.368	0.0052 *11*	0.55 *11*	8.47 *9*	0.56 *11*	av Eβ=429.7 *71*; εK=0.8029 *4*; εL=0.14236 *15*; εM+=0.04546 *6*
(1969 *16*)	1546.93	0.0033 *6*	0.32 *5*	8.73 *7*	0.32 *5*	av Eβ=442.6 *71*; εK=0.8022 *5*; εL=0.14208 *16*; εM+=0.04536 *6*
(2077‡ *16*)	1439.263	0.0057 *12*	0.37 *8*	8.70 *10*	0.38 *8*	av Eβ=489.8 *70*; εK=0.7989 *6*; εL=0.14099 *18*; εM+=0.04499 *6*
(2110 *16*)	1406.35	0.00086 *19*	0.050 *11*	9.59 *10*	0.051 *11*	av Eβ=504.2 *70*; εK=0.7977 *7*; εL=0.14064 *18*; εM+=0.04487 *6*
(2132 *16*)	1383.88	0.0010 *2*	0.057 *10*	9.55 *8*	0.058 *10*	av Eβ=514.1 *70*; εK=0.7968 *7*; εL=0.14039 *19*; εM+=0.04478 *7*
(2138‡ *16*)	1378.054	0.0081 *15*	0.43 *8*	8.67 *8*	0.44 *8*	av Eβ=516.6 *70*; εK=0.7966 *7*; εL=0.14032 *19*; εM+=0.04476 *7* Log *ft*: value is unreasonably small for a second-forbidden transition.
(2315 *16*)	1201.0452	0.0042 *9*	0.14 *3*	9.24 *10*	0.14 *3*	av Eβ=594.2 *71*; εK=0.7879 *10*; εL=0.13813 *22*; εM+=0.04403 *8*
(2321‡ *16*)	1195.170	0.014 *3*	0.45 *10*	8.73 *10*	0.46 *10*	av Eβ=596.8 *71*; εK=0.7876 *10*; εL=0.13805 *22*; εM+=0.04400 *8*
(2595 *16*)	920.91852	0.0093 *19*	0.58 *12*	10.10^{1u} *9*	0.59 *12*	av Eβ=720.3 *68*; εK=0.7919 *4*; εL=0.14561 *17*; εM+=0.04678 *6*

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^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

ε,β+ radiations (continued)

E(decay)	E(level)	Iβ+ †	Iε†	Log *ft*	I(ε+β+)†	Comments
(2731 *16*)	784.5759	0.011 *6*	0.15 *7*	9.35 *22*	0.16 *8*	av Eβ=777.4 *71*; εK=0.7555 *16*; εL=0.1313 *4*; εM+=0.04179 *11*
(2904 *16*)	612.46318	0.37 *7*	3.5 *6*	8.03 *8*	3.9 *7*	av Eβ=853.3 *71*; εK=0.7372 *19*; εL=0.1277 *4*; εM+=0.04064 *12*
3214 *10*	316.50645	1.59 *23*	9.7 *14*	7.68 *7*	11.3 *16*	av Eβ=984.7 *72*; εK=0.6998 *23*; εL=0.1207 *4*; εM+=0.03839 *13* E(decay): deduced from Eβ+=2192 keV *10* (1966Ny01). Iβ+: smaller value (0.53) can be deduced from Iβ/Ice(K peak for 316.5γ)=0.17 *3* (1966Ny01, allowed shape assumed), Iγ(316.5γ) (1979Ka28), and α(K)(316.5γ) (E2 theory).
3514 *20*	0.0	3.6 *20*	14 *8*	7.59 *25*	18 *10*	av Eβ=1125.9 *72*; εK=0.6531 *25*; εL=0.1123 *5*; εM+=0.03567 *15* E(decay): deduced from Eβ+=2492 keV *20* (1966Ny01). Other value: 2498 keV *25* (1975ViZK). Iβ+: smaller value (0.63) can be deduced from Iβ/Ice(K peak for 316.5γ)=0.20 *2* (1966Ny01, allowed shape assumed), %Iγ(316.5γ) (1979Ka28), and α(K)(316.5γ) (E2 theory).

† Absolute intensity per 100 decays.
‡ Existence of this branch is questionable.

γ(^{192}Pt)

Iγ normalization: From %I(316.5γ)=0.48 *6* if I(274.8γ, ^{192}Au)=0.42% (1979Ka28), adjusted by evaluator for adopted %I(274.8γ, ^{192}Hg ε decay)=0.518 (this evaluation). 1979Ka28 measured cross sections in pion spallation of gold, and determined the growth and decay of 316.5γ relative to 274.8γ.

α(K)exp: from Iγ listed here and Ice in 1966Ny01. The Iγ and Ice scales were normalized assuming α(K)(316.5γ)=0.0535 *8* (E2 theory), α(K)(468.1γ)=0.0212 *3* (E2 theory) and α(K)(612.5γ)=0.01179 *17* (E2 theory). This leads to normalization factors of 0.0482 *22*, 0.044 *4* and 0.040 *3*, respectively; the value used was 0.042 *6*, the weighted average with its uncertainty expanded to include the highest precision datum.

Iγ(ghik) From 1970Pl09.

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	δ[@]	α[†]	Comments
108[fh]	<0.003	1546.93	(0$^+$)	1439.263	2$^+$				
136.3 *1*	0.031 *8*	920.91852	3$^+$	784.5759	4$^+$	M1+E2[b]	+3.5[b] *+39−16*	1.53 *19*	α(K)=0.6 *3*; α(L)=0.73 *6*; α(M)=0.187 *16*; α(N+..)=0.053 *5* α(N)=0.046 *4*; α(O)=0.0072 *6*; α(P)=6.E−5 *3*
137[fh]	<0.002	1576.368	2$^+$	1439.263	2$^+$				
163[fh]	<0.005	1739.432	(1)$^-$	1576.368	2$^+$				
170[fh]	<0.004	1576.368	2$^+$	1406.35	3$^+$				
176.84 *8*	0.21 *2*	1378.054	3$^-$	1201.0452	4$^+$	[E1]		0.0956	α(K)=0.0783 *11*; α(L)=0.01332 *19*; α(M)=0.00308 *5*; α(N+..)=0.000888 *13* α(N)=0.000752 *11*; α(O)=0.0001294 *19*; α(P)=6.71×10^{-6} *10*
[x]185.70 *20*	0.10 *1*								
186.1 *1*	0.026 *5*	2335.465	1$^+$	2149.385	1$^+$				
190[fh]	<0.005	1629.30	0$^+$	1439.263	2$^+$				
192.50 *9*	0.03 *1*	1739.432	(1)$^-$	1546.93	(0$^+$)				
198[fh]	<0.002	1576.368	2$^+$	1378.054	3$^-$				
205[fh]	<0.002	1406.35	3$^+$	1201.0452	4$^+$				
225.97 *8*	0.29 *1*	2375.392	(1,2)$^+$	2149.385	1$^+$	M1		0.665	α(K)=0.548 *8*; α(L)=0.0900 *13*; α(M)=0.0208 *3*; α(N+..)=0.00613 *9* α(N)=0.00514 *8*; α(O)=0.000925 *13*; α(P)=6.25×10^{-5} *9* Mult.: α(K)exp=1.44 *24*; K/L1=10 *2*, L1/L2>5 (1966Ny01).
235.09 *10*	0.033 *8*	2129.52	(1$^-$)	1894.479	(2,3)$^-$				
238[fh]	<0.005	1439.263	2$^+$	1201.0452	4$^+$				
244.05 *8*	0.055 *6*	1439.263	2$^+$	1195.170	0$^+$				other Iγ: 0.070 *7* (1972Fi12).
249.83 *7*	0.40 *2*	2399.270	(1,2)$^+$	2149.385	1$^+$	M1		0.504	α(K)=0.416 *6*; α(L)=0.0681 *10*; α(M)=0.01572 *22*; α(N+..)=0.00464 *7* α(N)=0.00389 *6*; α(O)=0.000700 *10*; α(P)=4.73×10^{-5} *7* Mult.: α(K)exp=0.51 *11*. other Iγ: 0.48 *3* (1972Fi12).

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	δ @	α †	Comments
261.50 *5*	0.040 *7*	2335.465	1^+	2073.95	2^+				
x275.00 *15*	0.22 *2*								placement from 2890 level rejected by 2008Mc04.
288.59 *5*	0.082 *7*	1666.63	(2,3,4)	1378.054	3^-				placement from a 3146 level rejected by 2008Mc04.
295.95650b *15*	38.7 *4*	612.46318	2^+	316.50645	2^+	M1+E2b	+10.0b *4*	0.1047	α(K)=0.0651 *10*; α(L)=0.0299 *5*; α(M)=0.00749 *11*; α(N+..)=0.00214 *3* α(N)=0.00183 *3*; α(O)=0.000299 *5*; α(P)=6.58×10^{-6} *10* Mult.: K/L=2.4 *6*, L1/L2=0.7 *1*, (L1+L2)/L3=3.6 *9* (1966Ny01); α(K)exp=0.066 *11*. E_γ: 295.94 *3* (2008Mc04) from Au ε decay. I_γ: weighted average of 38.5 *5* (1972Fi12), 38.8 *5* (2008Mc04). δ: 2.5 *+6−4* from ce data in ^{192}Au ε decay.
308.45507b *17*	5.97 *8*	920.91852	3^+	612.46318	2^+	M1+E2b	+7.20b *3*	0.0943	α(K)=0.0603 *9*; α(L)=0.0257 *4*; α(M)=0.00642 *9*; α(N+..)=0.00184 *3* α(N)=0.001574 *22*; α(O)=0.000258 *4*; α(P)=6.15×10^{-6} *9* Mult.: K/L=2.1 *7*, (L1+L2)/L3=5.1 *7* (1966Ny01); α(K)exp=0.055 *9*. E_γ: 308.45 *2* (2008Mc04) from Au ε decay. I_γ: weighted average of 5.94 *10* (1972Fi12), 6.05 *15* (2008Mc04). other δ:≥4.9 from α(K)exp in ^{192}Au ε decay.
316.50618b *17*	100.0 *10*	316.50645	2^+	0.0	0^+	E2b		0.0841	α(K)=0.0535 *8*; α(L)=0.0232 *4*; α(M)=0.00579 *9*; α(N+..)=0.001655 *24* α(N)=0.001418 *20*; α(O)=0.000232 *4*; α(P)=5.42×10^{-6} *8* K/L=2.0 *3*, L1/L2=0.76 *8*, (L1+L2)/L3=3.1 *4* (1966Ny01). E_γ: 316.50 *3* (2008Mc04) from Au ε decay.
333fh	<0.001	1739.432	$(1)^-$	1406.35	3^+				
335.97 *9*	0.035 *8*	2129.52	(1^-)	1793.503	$(2)^+$				
347.45 *15*	0.06 *2*	2604.76	$(1,2)^-$	2257.26	$(2)^-$				
355.93 *10*	0.012 *5*	2149.385	1^+	1793.503	$(2)^+$				
356.77 *15*	0.013 *4*	2236.82	$(1,2)^+$	1880.02	3^+				
359.23 *8*	0.037 *6*	2335.465	1^+	1976.25	$(2)^+$				
361.33 *5*	0.35 *4*	1739.432	$(1)^-$	1378.054	3^-				
375.26 *8*	0.014 *3*	1576.368	2^+	1201.0452	4^+				
381.25 *8*	0.031 *3*	1576.368	2^+	1195.170	0^+				
382.9 *3*	0.016 *7*	2532.46	1^+	2149.385	1^+				
x393.4 *9*	0.05 *2*								placement from 2217 level rejected by 2008Mc04.
401.60 *16*	0.015 *5*	2296.06	$(1,2)^+$	1894.479	$(2,3)^-$				

$^{192}_{78}Pt_{114}$-6

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	δ @	α †	Comments
415 fh	<0.004	1793.503	(2)+	1378.054	3−				
416.4688 b 7	0.098 9	1201.0452	4+	784.5759	4+	M1+E2 b	+2.9 b 10	0.049 10	α(K)=0.036 9; α(L)=0.0097 9; α(M)=0.00236 20; α(N+..)=0.00068 6 α(N)=0.00058 5; α(O)=9.8×10^{-5} 10; α(P)=3.8×10^{-6} 10 E_γ: 416.53 8 (2008Mc04) from Au ε decay.
x421.3 10	0.02 1								placements from 2658 and 2757 levels rejected by 2008Mc04.
x433.18 18	0.10 1								placement from 2857 level rejected by 2008Mc04.
440.91 7	0.032 5	2335.465	1+	1894.479	(2,3)−				
443.19 10	0.023 4	2604.76	(1,2)−	2161.64					other Eγ: 442.2 9 (1970Pl09). placement from 2658 level rejected by 2008Mc04.
443.33 8	0.020 3	2236.82	(1,2)+	1793.503	(2)+				
451.89 12	0.015 5	2191.30	(2+,3−)	1739.432	(1)−				placement from 2335 level rejected by 2008Mc04.
x455.7 a	0.05 2								
468.0688 b 3	3.5 1	784.5759	4+	316.50645	2+	E2 b		0.0291	α(K)=0.0212 3; α(L)=0.00606 9; α(M)=0.001479 21; α(N+..)=0.000427 6 α(N)=0.000363 5; α(O)=6.11×10^{-5} 9; α(P)=2.22×10^{-6} 4 E_γ: 468.08 3 (2008Mc04) from Au ε decay. other Iγ: 3.01 5 from 1972Fi12.
477.69 10	0.017 4	2217.12	(2)+	1739.432	(1)−				other data: Eγ=476.95 20 (1966Ny01), 477.16 20 (1972Fi12); Iγ=1.86 19 (1972Fi12), are presumably for a different or contaminated G. α(K)exp=0.035 8 implies M1+E2 for that line.
479.84 8	0.019 5	2629.24	2+	2149.385	1+				E_γ: placement from 2614 level shown in table I of 2008Mc04 is incorrect according to an e-mail reply from Dr. McCutchan on July 28, 2008.
484.53 9	0.036 5	2604.76	(1,2)−	2120.21	(2+)				
485.45 6	0.13 1	1406.35	3+	920.91852	3+				other Eγ: 485.07 15 (1972Fi12).
495.36 9	0.053 6	2375.392	(1,2)+	1880.02	3+				placement from 2319 rejected by 2008Mc04.
502 fh	<0.007	1880.02	3+	1378.054	3−				
x504.25 14	0.12 1								placement from 2676 level rejected by 2008Mc04.
516.43 8	0.44 2	1894.479	(2,3)−	1378.054	3−				
518.28 10	0.53 7	1439.263	2+	920.91852	3+				other Eγ (Iγ): 517.80 20 (0.70 10) (1972Fi12) for doubly-placed G.
519.25 9	0.12 1	2399.270	(1,2)+	1880.02	3+				placement from 2257 rejected by 2008Mc04.
x524.6 a	0.06 3								placement from 2408 level rejected by 2008Mc04.
x541.7 10	0.07 3								placements from 3156 and 1895 levels rejected by 2008Mc04.
544.19 8	0.085 8	1739.432	(1)−	1195.170	0+				
547.32 8	0.035 5	3031.00	(≤3)	2483.64	≤3				
556.59 8	0.063 8	2296.06	(1,2)+	1739.432	(1)−				placement from 2757 rejected by 2008Mc04.

$^{192}_{78}Pt_{114}$-7

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	δ @	α †	Comments
x560.5 a	0.07 d 4								placements from 2857 and a 3146 level rejected by 2008Mc04.
565.13 10	0.022 3	1766.09	(2,3)+	1201.0452	4+				
x569.30 20	0.40 8								placements from 1182 and 2464 levels rejected by 2008Mc04.
571 f h	<0.003	1766.09	(2,3)+	1195.170	0+				
573.05 10	0.059 5	2149.385	1+	1576.368	2+				
581.89 8	0.045 5	2375.392	(1,2)+	1793.503	(2)+				
582.70 3	4.62 7	1195.170	0+	612.46318	2+	E2		0.01722	α(K)=0.01310 19; α(L)=0.00314 5; α(M)=0.000756 11; α(N+..)=0.000219 3 α(N)=0.000186 3; α(O)=3.18×10^{-5} 5; α(P)=1.385×10^{-6} 20 Mult.: α(K)exp=0.0154 24. I_γ: from 1972Fi12; 5.2 1 from 2008Mc04.
588.5810 b 7	0.70 2	1201.0452	4+	612.46318	2+	E2 b		0.01682	α(K)=0.01282 18; α(L)=0.00305 5; α(M)=0.000734 11; α(N+..)=0.000213 3 α(N)=0.000181 3; α(O)=3.09×10^{-5} 5; α(P)=1.356×10^{-6} 19 Mult.: α(K)exp=0.015 3. E_γ: 588.66 5 (2008Mc04) from Au ε decay. other Iγ: 0.51 3 (1972Fi12).
591.75 9	0.25 2	2486.29	(2)−	1894.479	(2,3)−				
593.46 4	1.52 5	1378.054	3−	784.5759	4+	E1+M2 b	−0.07 b 2	0.0064 5	α=0.0064 5; α(K)=0.0054 4; α(L)=0.00084 7; α(M)=0.000192 16; α(N+..)=5.6×10^{-5} 5 α(N)=4.7×10^{-5} 4; α(O)=8.4×10^{-6} 7; α(P)=5.3×10^{-7} 5 Mult.: α(K)exp=0.0061 14. other Iγ: 1.35 4 (1972Fi12). other δ: 0.14 +5−6 from α(K)exp.
598 f h	<0.005	1793.503	(2)+	1195.170	0+				
599.3 1	0.099 10	1383.88	(5)−	784.5759	4+				placement from 2857 level rejected by 2008Mc04.
604.41105 b 25	1.83 3	920.91852	3+	316.50645	2+	M1+E2 b	−1.48 b 2	0.0258	α(K)=0.0207 4; α(L)=0.00392 6; α(M)=0.000921 14; α(N+..)=0.000269 4 α(N)=0.000227 4; α(O)=3.99×10^{-5} 6; α(P)=2.26×10^{-6} 4 Mult.: K/L1=3.7 8 (1966Ny01), α(K)exp=0.021 4. E_γ: 604.43 2 (2008Mc04) from Au ε decay. δ: 1.2 +4−3 from α(K)exp; K/L1 appears to be incorrect.
612.4621 b 3	7.47 5	612.46318	2+	0.0	0+	E2 b		0.01536	α(K)=0.01179 17; α(L)=0.00273 4; α(M)=0.000655

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	δ[@]	α[†]	Comments
									10; α(N+..)=0.000190 *3* α(N)=0.0001612 *23*; α(O)=2.76×10^{-5} *4*; α(P)=1.247×10^{-6} *18* K/L=3.1 *5* (1966Ny01). E_γ: 612.50 *4* (2008Mc04) from Au ε decay. I_γ: weighted average of 7.48 *6* (1972Fi12), 7.46 *10* (2008Mc04).
622[fh]	<0.003	1406.35	3$^+$	784.5759	4$^+$				
[x]624.3 *5*	0.11 *1*					E2(+M1)	≥2.1	0.017 *3*	α(K)=0.0136 *23*; α(L)=0.0029 *3*; α(M)=0.00069 *7*; α(N+..)=0.000200 *20* α(N)=0.000169 *17*; α(O)=2.9×10^{-5} *3*; α(P)=1.5×10^{-6} *3* Mult.: α(K)exp=0.016 *5*.
634.69 *8*	0.075 *9*	2073.95	2$^+$	1439.263	2$^+$				placement from a 2201 level rejected by 2008Mc04. placements from 1823 and 2835 levels rejected by 2008Mc04.
[x]638.1 *5*	0.06 *2*								
643.56 *8*	0.028 *4*	3127.19	(1$^-$,2$^-$)	2483.64	≤3				placement from 2048 level rejected by 2008Mc04.
[x]647.3[&] *4*									
[x]649.08 *24*	0.06 *1*								Mult.: α(K)exp=0.10 *4*.
653.02 *8*	0.024 *4*	2629.24	2$^+$	1976.25	(2)$^+$				
654.68 *9*	0.065 *8*	1439.263	2$^+$	784.5759	4$^+$				
655.44 *3*	0.28 *1*	1576.368	2$^+$	920.91852	3$^+$	M1(+E2)	0.5 +*5*−*6*	0.033 *8*	α(K)=0.028 *7*; α(L)=0.0045 *9*; α(M)=0.00105 *19*; α(N+..)=0.00031 *6* α(N)=0.00026 *5*; α(O)=4.6×10^{-5} *9*; α(P)=3.1×10^{-6} *8* Mult.: α(K)exp=0.026 *6*.
661.0[a] *3*	0.049 *9*	2237.52	(2)$^+$	1576.368	2$^+$				
663.73 *19*	0.010 *3*	2041.81	(2$^-$,3$^-$)	1378.054	3$^-$				
665.73 *8*	0.056 *8*	2560.15	(1$^+$,2)	1894.479	(2,3)$^-$				placement from a 1278 level rejected by 2008Mc04.
668.91 *5*	0.18 *2*	2408.34	(2)$^+$	1739.432	(1)$^-$				
669.77 *10*	0.032 *3*	2047.89	(2)$^+$	1378.054	3$^-$				
671.15 *15*	0.015 *4*	2832.89	(1,2)$^+$	2161.64					
673.76 *11*	0.019 *4*	3127.19	(1$^-$,2$^-$)	2453.43	2$^+$				
[x]678.3 *9*	0.05 *2*								
680.06 *13*	0.010 *5*	2560.15	(1$^+$,2)	1880.02	3$^+$				
683.32 *8*	0.11 *1*	2422.78	(1,2)$^+$	1739.432	(1)$^-$				other Iγ: 0.33 *10* (1970Pl09).
688.88 *10*	0.019 *4*	2730.73	(2)$^-$	2041.81	(2$^-$,3$^-$)				
689.88 *6*	0.34 *1*	2236.82	(1,2)$^+$	1546.93	(0$^+$)				I_γ: from 1972Fi12; Iγ=0.33 *2* from 2008Mc04. Mult.: α(K)exp=0.047 *14* for probable multiplet dominated by this transition exceeds α(K)(M1). however, level scheme implies pure mult.
690.20 *8*	0.067 *8*	2129.52	(1$^-$)	1439.263	2$^+$				
692.84 *9*	0.021 *3*	2486.29	(2)$^-$	1793.503	(2)$^+$				
695.8 *3*	0.029 *8*	2073.95	2$^+$	1378.054	3$^-$				placement from a 1308 level rejected by 2008Mc04.
701.47 *9*	0.020 *4*	2958.75	(2,3)$^-$	2257.26	(2)$^-$				

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

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	δ[@]	α[†]	Comments
704.4 *1*	0.021 *5*	3127.19	(1⁻,2⁻)	2422.78	(1,2)⁺				
[x]705.05[&] *20*									placements from 1894 and 2585 levels rejected by 2008Mc04.
710.27 *6*	0.14 *1*	2604.76	(1,2)⁻	1894.479	(2,3)⁻	M1		0.0313	α(K)=0.0260 *4*; α(L)=0.00413 *6*; α(M)=0.000950 *14*; α(N+..)=0.000280 *4* α(N)=0.000235 *4*; α(O)=4.24×10⁻⁵ *6*; α(P)=2.89×10⁻⁶ *4* placement from 2149 level rejected by 2008Mc04. Mult.: α(K)exp=0.045 *12*.
727.60 *13*	0.018 *5*	2857.07	(2⁻)	2129.52	(1⁻)	M1		0.0294	α(K)=0.0244 *4*; α(L)=0.00388 *6*; α(M)=0.000892 *13*; α(N+..)=0.000263 *4* α(N)=0.000221 *3*; α(O)=3.98×10⁻⁵ *6*; α(P)=2.72×10⁻⁶ *4* Mult.: α(K)exp=0.079 *3*.
734.67 *15*	0.026 *4*	2629.24	2⁺	1894.479	(2,3)⁻				
736.61 *8*	0.036 *5*	2142.96	(3)⁻	1406.35	3⁺				placement from a 2952 level rejected by 2008Mc04.
742.15 *13*	0.015 *5*	2120.21	(2⁺)	1378.054	3⁻				
745.67 *10*	0.019 *4*	1666.63	(2,3,4)	920.91852	3⁺				Mult.: α(K)exp=0.41 *14*; implies large E0 component, unless ce line is contaminated or misidentified. placement from a 3146 level rejected by 2008Mc04.
746.85 *6*	0.48 *2*	2486.29	(2)⁻	1739.432	(1)⁻	M1		0.0275	α(K)=0.0228 *4*; α(L)=0.00362 *5*; α(M)=0.000834 *12*; α(N+..)=0.000246 *4* α(N)=0.000206 *3*; α(O)=3.72×10⁻⁵ *6*; α(P)=2.54×10⁻⁶ *4* Mult.: α(K)exp=0.022 *5*. other Iγ: 0.35 *2* (1972Fi12) for doublet. placement from a 3146 level rejected by 2008Mc04.
749.24 *7*	0.056 *5*	2629.24	2⁺	1880.02	3⁺				
751.50 *9*	0.071 *8*	2129.52	(1⁻)	1378.054	3⁻				placement from a 1883 level rejected by 2008Mc04.
759.10 *5*	2.85 *5*	2335.465	1⁺	1576.368	2⁺	M1		0.0264	α(K)=0.0219 *3*; α(L)=0.00347 *5*; α(M)=0.000799 *12*; α(N+..)=0.000236 *4* α(N)=0.000198 *3*; α(O)=3.56×10⁻⁵ *5*; α(P)=2.44×10⁻⁶ *4* I_γ: from 1972Fi12. other: 3.3 *2* (2008Mc04). Mult.: from α(K)exp=0.023 *4*, K/L=5.7 *6* (1966Ny01). placement from a 2909 level rejected by 2008Mc04.
761.35 *13*	0.022 *5*	2890.93	(2)⁻	2129.52	(1⁻)				
764.91 *5*	0.10 *1*	2142.96	(3)⁻	1378.054	3⁻	M1		0.0259	α(K)=0.0215 *3*; α(L)=0.00341 *5*; α(M)=0.000784 *11*; α(N+..)=0.000231 *4* α(N)=0.000194 *3*; α(O)=3.49×10⁻⁵ *5*; α(P)=2.39×10⁻⁶ *4* Mult.: α(K)exp=0.029 *8*.
765.6 *2*	0.042 *5*	1378.054	3⁻	612.46318	2⁺	E1+M2	0.20 *+10−12*	0.006 *3*	α=0.006 *3*; α(K)=0.0049 *23*; α(L)=0.0008 *5*; α(M)=0.00019 *10*; α(N+..)=5.E−5 *3* α(N)=4.6×10⁻⁵ *25*; α(O)=8.E−6 *5*; α(P)=5.E−7 *3* Mult.,δ: from Adopted Gammas.

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

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	Comments
769.45 *8*	0.052 *7*	2562.96	(2)$^+$	1793.503	(2)$^+$	M1+E2+E0		other Eγ: 769.83 *10* (1966Ny01). Mult.: α(K)exp=0.24 *6*; much greater than α(K)(M1). placement from 2048 and 3146 levels rejected by 2008Mc04.
[x]777.6 *9*	0.07 *3*							placements from 2217 and 2658 level rejected by 2008Mc04.
[x]780.4 *9*	0.06 *3*							placements from 3156 and a 2952 level rejected by 2008Mc04.
791.6 *2*	0.0099 *12*	1576.368	2$^+$	784.5759	4$^+$			
791.65 *8*	0.034 *5*	3127.19	(1$^-$,2$^-$)	2335.465	1$^+$			placement from 2614 level rejected by 2008Mc04.
794[fh]	<0.004	1406.35	3$^+$	612.46318	2$^+$			
[x]795.0 *6*	0.05 *2*							placement from a 2676 level rejected by 2008Mc04.
797.09 *11*	0.013 *4*	2958.75	(2,3)$^-$	2161.64				
798.2 *3*	0.058 *8*	2237.52	(2)$^+$	1439.263	2$^+$			
799.05 *7*	0.14 *1*	2375.392	(1,2)$^+$	1576.368	2$^+$	M1+E2	0.016 *8*	α(K)=0.013 *7*; α(L)=0.0022 *9*; α(M)=0.00051 *19*; α(N+..)=0.00015 *6* α(N)=0.00013 *5*; α(O)=2.2×10^{-5} *9*; α(P)=1.4×10^{-6} *7* Mult.: α(K)exp=0.013 *3*.
809.46 *7*	0.023 *4*	2602.97	(2)$^+$	1793.503	(2)$^+$			
809.99 *11*	0.030 *5*	2549.42	(2)$^+$	1739.432	(1)$^-$			
813.2 *2*	0.040 *6*	2191.30	(2$^+$,3$^-$)	1378.054	3$^-$			
815.79 *8*	0.14 *2*	2958.75	(2,3)$^-$	2142.96	(3)$^-$	M1	0.0220	α(K)=0.0182 *3*; α(L)=0.00288 *4*; α(M)=0.000663 *10*; α(N+..)=0.000196 *3* α(N)=0.0001641 *23*; α(O)=2.96×10^{-5} *5*; α(P)=2.02×10^{-6} *3* Mult.: α(K)exp=0.016 *4*. placements from 1133 and 2891 levels rejected by 2008Mc04. other Iγ: 0.08 *1* (1972Fi12).
817.95 *10*	0.049 *9*	2257.26	(2)$^-$	1439.263	2$^+$			
819	<0.002	1739.432	(1)$^-$	920.91852	3$^+$			other Iγ: 0.10 *5* (1970Pl09).
820.71 *6*	0.043 *6*	2560.15	(1$^+$,2)	1739.432	(1)$^-$			
822.90 *5*	0.80 *5*	2399.270	(1,2)$^+$	1576.368	2$^+$	E2	0.00811 *12*	α=0.00811 *12*; α(K)=0.00647 *9*; α(L)=0.001264 *18*; α(M)=0.000298 *5*; α(N+..)=8.69×10^{-5} *13* α(N)=7.35×10^{-5} *11*; α(O)=1.281×10^{-5} *18*; α(P)=6.84×10^{-7} *10* other Iγ: 0.66 *2* (1972Fi12). Mult.: α(K)exp=0.0068 *19*. placement from a 2201 level rejected by 2008Mc04.
826.79 *8*	0.068 *6*	1439.263	2$^+$	612.46318	2$^+$	M1+E2+E0	0.046 *11*	α(K)=0.01760 *25*; α(L)=0.00279 *4*; α(M)=0.000641 *9*; α(N+..)=0.000189 *3* α(N)=0.0001585 *23*; α(O)=2.86×10^{-5} *4*; α(P)=1.96×10^{-6} *3* Mult.: α(K)exp=0.035 *8*. α: based on α(K)exp. other Eγ (Iγ): 826.72 *17* (0.11 *1*) (1972Fi12). placement from a 3360 level rejected by 2008Mc04.
[x]830.0[a]	0.10 *4*							
831.18 *9*	0.028 *5*	3127.19	(1$^-$,2$^-$)	2296.06	(1,2)$^+$			
[x]833.3[a]	0.11 *4*							

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

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	Comments
836.88 *10*	0.039 *6*	2602.97	$(2)^+$	1766.09	$(2,3)^+$			other Eγ: 0.12 *4* (1970Pl09). placement from 3156 level rejected by 2008Mc04.
841.70 *10*	0.015 *4*	2635.23	1^+	1793.503	$(2)^+$			
[x]843.5 *7*	0.11 *4*							
845[fh]	<0.006	1766.09	$(2,3)^+$	920.91852	3^+			
849.12 *9*	0.045 *8*	2890.93	$(2)^-$	2041.81	$(2^-,3^-)$			
856.83 *8*	0.033 *5*	2296.06	$(1,2)^+$	1439.263	2^+			
865.33 *6*	0.16 *1*	2604.76	$(1,2)^-$	1739.432	$(1)^-$	M1	0.0189	α(K)=0.01568 *22*; α(L)=0.00248 *4*; α(M)=0.000570 *8*; α(N+..)=0.0001681 *24* α(N)=0.0001409 *20*; α(O)=2.54×10^{-5} *4*; α(P)=1.741×10^{-6} *25* Mult.: α(K)exp=0.016 *3*.
872.59 *5*	0.24 *1*	1793.503	$(2)^+$	920.91852	3^+	E2	0.00719 *10*	α=0.00719 *10*; α(K)=0.00576 *8*; α(L)=0.001097 *16*; α(M)=0.000258 *4*; α(N+..)=7.53×10^{-5} *11* α(N)=6.36×10^{-5} *9*; α(O)=1.112×10^{-5} *16*; α(P)=6.09×10^{-7} *9* Mult.: α(K)exp=0.0063 *14*. placement from an 1189 level rejected by 2008Mc04. other Iγ: 0.21 *1* (1972Fi12).
878.70 *4*	1.41 *3*	1195.170	0^+	316.50645	2^+	E2	0.00709 *10*	α=0.00709 *10*; α(K)=0.00569 *8*; α(L)=0.001079 *16*; α(M)=0.000254 *4*; α(N+..)=7.41×10^{-5} *11* α(N)=6.25×10^{-5} *9*; α(O)=1.094×10^{-5} *16*; α(P)=6.01×10^{-7} *9* Mult.: α(K)exp=0.0057 *20*. I_γ: from 1972Fi12; 1.49 *8* from 2008Mc04.
879.28 *6*	0.13 *2*	2257.26	$(2)^-$	1378.054	3^-			
879.96 *8*	0.055 *15*	2319.11	1^+	1439.263	2^+			
880.73 *12*	0.016 *4*	2775.21		1894.479	$(2,3)^-$			
882[fh]	<0.007	1666.63	(2,3,4)	784.5759	4^+			
884.5365[b] *7*	0.055 *5*	1201.0452	4^+	316.50645	2^+	E2[b]	0.00700 *10*	α=0.00700 *10*; α(K)=0.00561 *8*; α(L)=0.001062 *15*; α(M)=0.000250 *4*; α(N+..)=7.29×10^{-5} *11* α(N)=6.15×10^{-5} *9*; α(O)=1.077×10^{-5} *15*; α(P)=5.93×10^{-7} *9* E_γ: 884.7 *1* (2008Mc04) from Au ε decay. I_γ: deduced from Iγ(416.5), Iγ(588.6), and relative photon branching from 1201 level in Adopted Gammas.
889.77 *9*	0.14 *1*	2629.24	2^+	1739.432	$(1)^-$			
895.19 *10*	0.021 *4*	2775.21		1880.02	3^+			
896.20 *6*	0.45 *3*	2335.465	1^+	1439.263	2^+	M1	0.01728	α(K)=0.01434 *20*; α(L)=0.00226 *4*; α(M)=0.000521 *8*; α(N+..)=0.0001536 *22* α(N)=0.0001288 *18*; α(O)=2.32×10^{-5} *4*; α(P)=1.592×10^{-6} *23* other Iγ: 0.37 *1* (1972Fi12). Mult.: α(K)exp=0.016 *3*. placement from a 3360 level rejected by 2008Mc04.
899.70 *13*	0.016 *4*	2794.26	(≤2)	1894.479	$(2,3)^-$			
901.5 *2*	0.043 *5*	3031.00	(≤3)	2129.52	(1^-)			Mult.: α(K)exp=0.041 *10*; exceeds α(K)(M1). placements from 1514 and 1823 levels rejected by 2008Mc04.

$^{192}_{78}Pt_{114}$-12

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	δ @	α †	Comments
902.52 *11*	0.0095 *20*	2950.43	(1,2$^+$)	2047.89	(2)$^+$				
905.2 *2*	0.037 *6*	2947.001	(2$^-$)	2041.81	(2$^-$,3$^-$)				Eγ=906.8, Iγ=0.13 *4* for doublet In 1970Pl09. placements from a 2952 and a 3360 level rejected by 2008Mc04.
x910 a	0.05 *3*								
917.01 *9*	0.080 *10*	2958.75	(2,3)$^-$	2041.81	(2$^-$,3$^-$)	M1		0.01630	α(K)=0.01353 *19*; α(L)=0.00213 *3*; α(M)=0.000491 *7*; α(N+..)=0.0001448 *21* α(N)=0.0001214 *17*; α(O)=2.19×10^{-5} *3*; α(P)=1.501×10^{-6} *21* Mult.: α(K)exp=0.015 *4*. placement from a 2464 level rejected by 2008Mc04.
934.35 *7*	0.42 *4*	2129.52	(1$^-$)	1195.170	0$^+$				
934.41 *8*	0.90 *3*	1546.93	(0$^+$)	612.46318	2$^+$	[E2]		0.00627 *9*	α=0.00627 *9*; α(K)=0.00505 *7*; α(L)=0.000934 *13*; α(M)=0.000219 *3*; α(N+..)=6.40×10^{-5} *9* α(N)=5.40×10^{-5} *8*; α(O)=9.47×10^{-6} *14*; α(P)=5.33×10^{-7} *8* Mult.: α(K)exp=0.0041 *11* for 934.41γ+934.35γ doublet. I_γ: from 1972Fi12; 0.89 *5* from 2008Mc04.
936.14 *5*	0.70 *3*	2375.392	(1,2)$^+$	1439.263	2$^+$	E2		0.00624 *9*	α=0.00624 *9*; α(K)=0.00503 *7*; α(L)=0.000930 *13*; α(M)=0.000218 *3*; α(N+..)=6.37×10^{-5} *9* α(N)=5.37×10^{-5} *8*; α(O)=9.43×10^{-6} *14*; α(P)=5.31×10^{-7} *8* other Iγ: 0.52 *3* (1972Fi12). Mult.: α(K)exp=0.0052 *10*. placement from a 2676 level rejected by 2008Mc04.
x948.9 *6*	0.15 *5*								placement from 2130 level rejected by 2008Mc04.
955 f h	<0.006	1739.432	(1)$^-$	784.5759	4$^+$	[E3]			
959.1 *2*	0.025 *4*	1880.02	3$^+$	920.91852	3$^+$				
960.02 *6*	0.36 *3*	2399.270	(1,2)$^+$	1439.263	2$^+$	E2(+M1)	≥1.8	0.0069 *11*	α=0.0069 *11*; α(K)=0.0056 *9*; α(L)=0.00100 *13*; α(M)=0.00023 *3*; α(N+..)=6.8×10^{-5} *9* α(N)=5.7×10^{-5} *7*; α(O)=1.01×10^{-5} *13*; α(P)=6.0×10^{-7} *10* Mult.: α(K)exp=0.0049 *12*. other Iγ: 0.27 *2* (1972Fi12).
961.65 *10*	0.11 *1*	2856.13	(2)$^-$	1894.479	(2,3)$^-$	M1		0.01445	α(K)=0.01200 *17*; α(L)=0.00189 *3*; α(M)=0.000434 *6*; α(N+..)=0.0001282 *18* α(N)=0.0001075 *15*; α(O)=1.94×10^{-5} *3*; α(P)=1.330×10^{-6} *19* Mult.: α(K)exp=0.022 *7*. placement from a 1278 level rejected by 2008Mc04.
963.93 *5*	0.82 *4*	1576.368	2$^+$	612.46318	2$^+$	M1(+E2+E0)		0.020 *4*	α(K)=0.008 *4*; α(L)=0.0014 *5*; α(M)=0.00032 *12*; α(N+..)=9.E−5 *4* α(N)=8.E−5 *3*; α(O)=1.4×10^{-5} *6*; α(P)=9.E−7 *5*

$^{192}_{78}Pt_{114}$-13

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	Comments
								Mult.: α(K)exp=0.015 *3*. other Iγ: 0.63 *3* (1972Fi12). α: estimated from α(K)exp.
968.93 *15*	0.057 *9*	2408.34	(2)$^+$	1439.263	2$^+$	M1	0.01418	α(K)=0.01177 *17*; α(L)=0.00185 *3*; α(M)=0.000426 *6*; α(N+..)=0.0001257 *18* α(N)=0.0001054 *15*; α(O)=1.90×10^{-5} *3*; α(P)=1.305×10^{-6} *19* Mult.: α(K)exp=0.010 *4*. other Eγ: 969.3 *4* (1972Fi12), 969.7 *3* (1966Ny01). other Iγ: 0.130 *25* (1972Fi12), 0.08 *3* (1970Pl09).
[x]972.65 *19*	0.28 *2*							Mult.: α(K)exp=0.0032 *10*.
973.57 *7*	0.34 *2*	1894.479	(2,3)$^-$	920.91852	3$^+$			Mult.: α(K)exp=0.0037 *9*; high for E1 but a little low for E2. other Iγ: 0.27 *3* (1972Fi12).
982.49 *11*	0.007 *2*	2958.75	(2,3)$^-$	1976.25	(2)$^+$			
985.65 *15*	0.041 *7*	3027.39	(2,3)$^-$	2041.81	(2$^-$,3$^-$)			
991.35 *8*	0.12 *1*	2730.73	(2)$^-$	1739.432	(1)$^-$	M1	0.01338	α(K)=0.01111 *16*; α(L)=0.001748 *25*; α(M)=0.000402 *6*; α(N+..)=0.0001186 *17* α(N)=9.94×10^{-5} *14*; α(O)=1.79×10^{-5} *3*; α(P)=1.231×10^{-6} *18* Mult.: α(K)exp=0.0098 *24*. other Iγ: 0.08 *1* (1972Fi12).
								placement from a 1308 level rejected by 2008Mc04.
994.10 *10*	0.025 *5*	3155.74	(2,3)$^-$	2161.64				
996.6 *2*	0.12 *1*	2890.93	(2)$^-$	1894.479	(2,3)$^-$	M1	0.01320	α(K)=0.01096 *16*; α(L)=0.001725 *25*; α(M)=0.000396 *6*; α(N+..)=0.0001170 *17* α(N)=9.81×10^{-5} *14*; α(O)=1.769×10^{-5} *25*; α(P)=1.214×10^{-6} *17* Iγ: Eγ=997.07 *20* (Iγ=0.33 *2*) in 1972Fi12 may be associated with 996.3γ or 997.7γ in 1966Ny01, or both. Mult.: α(K)exp=0.014 *4*.
997.68 *5*	0.20 *2*	3127.19	(1$^-$,2$^-$)	2129.52	(1$^-$)	M1	0.01317	α(K)=0.01093 *16*; α(L)=0.001720 *24*; α(M)=0.000395 *6*; α(N+..)=0.0001166 *17* α(N)=9.78×10^{-5} *14*; α(O)=1.764×10^{-5} *25*; α(P)=1.211×10^{-6} *17* Iγ: other Iγ: 0.33 *2* (1972Fi12) for probable doublet. Mult.: α(K)exp=0.012 *3*.
1001.96 *8*	0.029 *8*	2408.34	(2)$^+$	1406.35	3$^+$			Mult.: α(K)exp=0.016 *8*; imprecise, but high for E2 (required by level scheme).
1008.85 *15*	0.036 *6*	2585.23	(2)$^+$	1576.368	2$^+$	E2	0.00538 *8*	α=0.00538 *8*; α(K)=0.00436 *7*; α(L)=0.000783 *11*; α(M)=0.000183 *3*; α(N+..)=5.35×10^{-5} *8* α(N)=4.51×10^{-5} *7*; α(O)=7.94×10^{-6} *12*; α(P)=4.60×10^{-7} *7* Mult.: α(K)exp=0.040 *11*.
1009[fh]	<0.008	1793.503	(2)$^+$	784.5759	4$^+$			
1016.81 *7*	0.047 *6*	1629.30	0$^+$	612.46318	2$^+$			other Iγ: 0.070 *8* (1972Fi12). Mult.: α(K)exp=0.028 *8*; exceeds α(K)(M1), implying E0 component. However, E2 is expected from Adopted Levels, Gammas. placement from 2423 rejected by 2008Mc04.

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

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult.@	δ@	α†	Comments
1035.75 *10*	0.036 *5*	2775.21		1739.432	$(1)^-$				
1036.5 *1*	0.075 *9*	2237.52	$(2)^+$	1201.0452	4^+				other Eγ (Iγ): 1036.4 *6* (0.6 *1*) (1970Pl09). placement from a 1353 level rejected by 2008Mc04.
1042.2 *2*	0.034 *6*	2237.52	$(2)^+$	1195.170	0^+				
1052.55 *9*	0.20 *2*	2947.001	(2^-)	1894.479	$(2,3)^-$	M1		0.01150	α(K)=0.00955 *14*; α(L)=0.001500 *21*; α(M)=0.000345 *5*; α(N+..)=0.0001017 *15* α(N)=8.53×10^{-5} *12*; α(O)=1.538×10^{-5} *22*; α(P)=1.057×10^{-6} *15* Mult.: α(K)exp=0.012 *3*.
1054[fh]	<0.01	1666.63	(2,3,4)	612.46318	2^+				
1054.84 *7*	0.068 *8*	2794.26	(≤2)	1739.432	$(1)^-$				Mult.: α(K)exp=0.013 *3* for doublet. other Iγ: 0.10 *1* (1972Fi12). placements from 2238 and 2408 levels rejected by 2008Mc04.
1055.3 *2*	0.035 *6*	1976.25	$(2)^+$	920.91852	3^+				
1057.3 *2*	0.035 *6*	2435.37	3^+	1378.054	3^-				
1061.62 *4*	1.86 *4*	1378.054	3^-	316.50645	2^+	E1(+M2)[b]	+0.04[b] *+5−3*	0.00194 *17*	α=0.00194 *17*; α(K)=0.00163 *14*; α(L)=0.000240 *24*; α(M)=5.5×10^{-5} *6*; α(N+..)=1.60×10^{-5} *17* α(N)=1.35×10^{-5} *14*; α(O)=2.41×10^{-6} *25*; α(P)=1.61×10^{-7} *17* other Iγ: 1.60 *4* (1972Fi12). Mult.: α(K)exp=0.0019 *3*; implies δ=0.12 *+4−12*.
x1066.0[c] *3*	0.08 *3*					(M1)		0.01114	α(K)=0.00925 *13*; α(L)=0.001453 *21*; α(M)=0.000334 *5*; α(N+..)=9.85×10^{-5} *14* α(N)=8.26×10^{-5} *12*; α(O)=1.489×10^{-5} *21*; α(P)=1.024×10^{-6} *15* Mult.: α(K)exp=0.012 *5*. I_γ: for probable doublet In 1970Pl09; possibly includes the 1068.4γ from 2008MC04.. placement from 2472 level rejected by 2008Mc04.
1068.4 *2*	0.023 *4*	2834.60	(2^+)	1766.09	$(2,3)^+$				
x1070.1[a]	0.12 *4*								placement from 2423 rejected by 2008Mc04.
x1084.5 *7*	0.05 *5*								placement from 2217 rejected by 2008Mc04.
x1087.3[&] *5*									
1088.35 *9*	0.075 *10*	2635.23	1^+	1546.93	(0^+)				Mult.: α(K)exp=0.0067 *20* for presumed doublet.
1089.82 *8*	0.032 *3*	1406.35	3^+	316.50645	2^+	M1+E2[b]	1.8[b] *+14−6*	0.0060 *11*	α=0.0060 *11*; α(K)=0.0049 *9*; α(L)=0.00083 *13*; α(M)=0.00019 *3*; α(N+..)=5.6×10^{-5} *9* α(N)=4.7×10^{-5} *7*; α(O)=8.4×10^{-6} *13*; α(P)=5.3×10^{-7} *10* other Iγ: 0.060 *7* (1972Fi12), possibly for a doublet.

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

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
1090.54 *15*	0.017 *4*	2856.13	(2)$^-$	1766.09	(2,3)$^+$			
1093.1 *1*	0.078 *9*	2532.46	1$^+$	1439.263	2$^+$			other Iγ: 0.17 *4* (1970Pl09).
1095.42 *6*	0.16 *1*	1880.02	3$^+$	784.5759	4$^+$	M1+E2	0.007 *3*	α=0.007 *3*; α(K)=0.0062 *25*; α(L)=0.0010 *4*; α(M)=0.00023 *8*; α(N+..)=6.8×10^{-5} *24* α(N)=5.7×10^{-5} *20*; α(O)=1.0×10^{-5} *4*; α(P)=7.E−7 *3* Mult.: α(K)exp=0.0063 *19*.
1097.6 *2*	0.023 *6*	2890.93	(2)$^-$	1793.503	(2)$^+$			other Iγ: 0.16 *4* (1970Pl09) for Eγ=1097.4 *7*. placement from 2375 or a 3146 level rejected by 2008Mc04.
1100.94 *9*	0.028 *7*	2296.06	(1,2)$^+$	1195.170	0$^+$			placement from a 3360 level rejected by 2008Mc04.
1108.26 *8*	0.070 *7*	2486.29	(2)$^-$	1378.054	3$^-$	M1	0.01010	α(K)=0.00839 *12*; α(L)=0.001316 *19*; α(M)=0.000302 *5*; α(N+..)=8.96×10^{-5} *13* α(N)=7.48×10^{-5} *11*; α(O)=1.349×10^{-5} *19*; α(P)=9.28×10^{-7} *13*; α(IPF)=3.93×10^{-7} *6* Mult.: α(K)exp=0.0060 *21*. placement from 3156 level rejected by 2008Mc04. other Iγ: 0.11 *1* (1972Fi12).
1110 *fh*	<0.008	1894.479	(2,3)$^-$	784.5759	4$^+$			
1113.93 *8*	0.096 *10*	3155.74	(2,3)$^-$	2041.81	(2$^-$,3$^-$)	M1	0.00997 *14*	α=0.00997 *14*; α(K)=0.00828 *12*; α(L)=0.001299 *19*; α(M)=0.000298 *5*; α(N+..)=8.85×10^{-5} *13* α(N)=7.38×10^{-5} *11*; α(O)=1.331×10^{-5} *19*; α(P)=9.16×10^{-7} *13*; α(IPF)=4.96×10^{-7} *8* Mult.: α(K)exp=0.015 *3*. placement from 2296 level rejected by 2008Mc04.
1116.60 *6*	0.39 *2*	2856.13	(2)$^-$	1739.432	(1)$^-$	M1	0.00991 *14*	α=0.00991 *14*; α(K)=0.00823 *12*; α(L)=0.001291 *18*; α(M)=0.000297 *5*; α(N+..)=8.80×10^{-5} *13* α(N)=7.34×10^{-5} *11*; α(O)=1.323×10^{-5} *19*; α(P)=9.10×10^{-7} *13*; α(IPF)=5.52×10^{-7} *8* other Iγ: 0.23 *2* (1972Fi12). Mult.: α(K)exp=0.0074 *14*. placement from a 2857 level rejected by 2008Mc04.
1121.00 *9*	0.11 *1*	2041.81	(2$^-$,3$^-$)	920.91852	3$^+$			
1122.80 *5*	1.90 *3*	1439.263	2$^+$	316.50645	2$^+$	M1(+E2+E0)	0.0155 *25*	α(K)=0.00812 *12*; α(L)=0.001273 *18*; α(M)=0.000292 *4*; α(N+..)=8.70×10^{-5} *13* α(N)=7.23×10^{-5} *11*; α(O)=1.305×10^{-5} *19*; α(P)=8.98×10^{-7} *13*; α(IPF)=7.03×10^{-7} *10* Mult.: α(K)exp=0.0119 *19*. I_γ: from 1972Fi12; 1.98 *8* In 2008Mc04. α: based on α(K)exp.
1126.97 *3*	2.82 *9*	1739.432	(1)$^-$	612.46318	2$^+$	E1	0.001711 *24*	α=0.001711 *24*; α(K)=0.001437 *21*; α(L)=0.000210 *3*; α(M)=4.77×10^{-5} *7*; α(N+..)=1.653×10^{-5} *2* α(N)=1.176×10^{-5} *17*; α(O)=2.11×10^{-6} *3*; α(P)=1.415×10^{-7}

$^{192}_{78}Pt_{114}$-16

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	$I_{(\gamma+ce)}$[g]	Comments
									20; α(IPF)=2.52×10^{-6} *4* Mult.: α(K)exp=0.0018 *3*. other Iγ: 2.52 *5* (1972Fi12).
1127.02 *8*	0.12 *1*	2047.89	(2)$^+$	920.91852	3$^+$				
1132.93 *10*	0.047 *8*	3027.39	(2,3)$^-$	1894.479	(2,3)$^-$				Mult.: α(K)exp=0.036 *10*; greatly exceeds α(K)(M1). placement from an 1133 level rejected by 2008Mc04. other Eγ (Iγ): 1132.55 *23* (0.070 *15*) (1972Fi12).
1140.32 *4*	4.50 *10*	2335.465	1$^+$	1195.170	0$^+$	M1	0.00940 *14*		α=0.00940 *14*; α(K)=0.00781 *11*; α(L)=0.001224 *18*; α(M)=0.000281 *4*; α(N+..)=8.43×10^{-5} *12* α(N)=6.95×10^{-5} *10*; α(O)=1.254×10^{-5} *18*; α(P)=8.63×10^{-7} *12*; α(IPF)=1.321×10^{-6} *19* other Iγ: 4.50 *10* (1972Fi12). Mult.: α(K)exp=0.0093 *14*.
1147.65 *17*	0.016 *4*	3189.52	(2,3$^-$)	2041.81	(2$^-$,3$^-$)				
1151.51 *8*	0.080 *9*	2890.93	(2)$^-$	1739.432	(1)$^-$				
1153.02 *7*	0.041 *8*	2073.95	2$^+$	920.91852	3$^+$				
1153.42 *16*	0.015 *4*	2947.001	(2$^-$)	1793.503	(2)$^+$				
1154[fh]	<0.004	1766.09	(2,3)$^+$	612.46318	2$^+$				
1171.44 *12*	0.024 *5*	2549.42	(2)$^+$	1378.054	3$^-$				
[x]1173.5 *3*	0.060 *6*								Mult.: α(K)exp=0.022 *5*; greatly exceeds α(K)(M1).
1180.96 *10*	0.026 *4*	2947.001	(2$^-$)	1766.09	(2,3)$^+$				other Eγ: 1180.3 *3* (1966Ny01). Mult.: α(K)exp=0.10 *4*; possibly ce line is complex (Eγ seems a little low). placement from 2375 level rejected by 2008Mc04.
1181.05 *7*	0.13 *1*	1793.503	(2)$^+$	612.46318	2$^+$	M1,E2	0.0063 *24*		α=0.0063 *24*; α(K)=0.0052 *20*; α(L)=0.0008 *3*; α(M)=0.00019 *7*; α(N+..)=6.0×10^{-5} *20* α(N)=4.8×10^{-5} *16*; α(O)=9.E−6 *3*; α(P)=5.7×10^{-7} *23*; α(IPF)=3.5×10^{-6} *8* Mult.: α(K)exp=0.006 *3*. placement from an 1182 level rejected by 2008Mc04.
1184.9 *3*	0.057 *8*	2562.96	(2)$^+$	1378.054	3$^-$				
[x]1189.2[a]	0.08 *4*								
1192[fh]	<0.007	1976.25	(2)$^+$	784.5759	4$^+$				
1192.49 *15*	0.018 *4*	2958.75	(2,3)$^-$	1766.09	(2,3)$^+$				
1195.26 *13*		1195.170	0$^+$	0.0	0$^+$	E0		0.024 *4*	Mult.: α(K)exp≥0.20 *3* from Iγ<0.10 in 1972Fi12. $I_{(\gamma+ce)}$: approximate value deduced from Ice(K) and theoretical K/L ratios for E0 transitions (1969Ha61).
1199.29 *8*	0.070 *10*	2120.21	(2$^+$)	920.91852	3$^+$				other Eγ (Iγ): 1198.0 *7* (0.17 *4*) (1970Pl09). placement from a 1514 level rejected by 2008Mc04.
1204.8[&h] *5*		2399.270	(1,2)$^+$	1195.170	0$^+$				placement not confirmed by 2008Mc04, but γ May be highly converted.
1207.22 *10*	0.012 *4*	2585.23	(2)$^+$	1378.054	3$^-$				other Iγ: 0.24 *2* (1972Fi12), 0.15 *5* (1970Pl09).
1207.28 *9*	0.18 *2*	2408.34	(2)$^+$	1201.0452	4$^+$				Mult.: α(K)exp=0.0068 *18* for doublet; unresolved from

$^{192}_{78}Pt_{114}$-17

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	δ @	α †	Comments
									1207.22γ In ce spectrum. α(K)exp favors M1, but level scheme suggests E2.
1207.50 *10*	0.018 *4*	2947.001	(2⁻)	1739.432	(1)⁻				
1219.4 *1*	0.051 *8*	2958.75	(2,3)⁻	1739.432	(1)⁻				
1222.10 *7*	0.045 *6*	2142.96	(3)⁻	920.91852	3⁺				
1224.9 *2*	0.038 *8*	2602.97	(2)⁺	1378.054	3⁻				
1226.8 *2*	0.025 *4*	2604.76	(1,2)⁻	1378.054	3⁻				placement from 2408 level rejected by 2008Mc04. Mult.: α(K)exp=0.024 *7*; greatly exceeds α(K)(M1). 1966Ny01 do not report the 1224.9γ; possibly it contributes to their E=1226.4 *5* ce line.
1227.6 *1*	0.030 *7*	2422.78	(1,2)⁺	1195.170	0⁺				
x1228.8& *5*									possibly includes a contribution from the E=1227.6 *1* line. placement from 2149 level rejected by 2008Mc04.
1230.45 *6*	0.075 *7*	1546.93	(0⁺)	316.50645	2⁺				
1233.95 *15*	0.030 *6*	3027.39	(2,3)⁻	1793.503	(2)⁺				
x1238.5a	0.05 *3*								
1240.67 *8*	0.11 *1*	2161.64		920.91852	3⁺				other Eγ (Iγ): 1241.8 (0.05 *3*) (1970Pl09); poorly resolved G. placement from 2423 rejected by 2008Mc04.
1250.47 *6*	0.33 *2*	2171.37	2⁺	920.91852	3⁺	M1(+E2)	0.6 *+5−6*	0.0064 *11*	α=0.0064 *11*; α(K)=0.0053 *10*; α(L)=0.00084 *14*; α(M)=0.00019 *3*; α(N+..)=7.1×10^{-5} *11* α(N)=4.8×10^{-5} *8*; α(O)=8.6×10^{-6} *14*; α(P)=5.8×10^{-7} *11*; α(IPF)=1.36×10^{-5} *16* Mult.: α(K)exp=0.0054 *10*.
1256.7 *3*	0.10 *2*	2832.89	(1,2)⁺	1576.368	2⁺				
1257.22 *6*	0.14 *1*	2041.81	(2⁻,3⁻)	784.5759	4⁺				other Iγ: 0.17 *1* (1972Fi12). Mult.: α(K)exp=0.0039 *14* suggests E2 assignment, inconsistent with adopted J^π(2041 level). placement from 2835 level rejected by 2008Mc04.
1260.0 *2*	0.023 *5*	1576.368	2⁺	316.50645	2⁺	M1+E2+E0		0.00733 *11*	α=0.00733 *11*; α(K)=0.00608 *9*; α(L)=0.000950 *14*; α(M)=0.000218 *3*; α(N+..)=8.13×10^{-5} *12* α(N)=5.40×10^{-5} *8*; α(O)=9.73×10^{-6} *14*; α(P)=6.71×10^{-7} *10*; α(IPF)=1.697×10^{-5} *24* other Iγ: 0.055 *10* (1972Fi12). Mult.: α(K)exp=0.24 *8*. α: estimated from α(K)exp.
1261.1 *2*	0.021 *4*	3155.74	(2,3)⁻	1894.479	(2,3)⁻				
1261.3 *2*	0.015 *4*	3027.39	(2,3)⁻	1766.09	(2,3)⁺				
1263.31 *6*	0.076 *8*	2047.89	(2)⁺	784.5759	4⁺				other data: Eγ=1263.8 *2* (1972Fi12), 1264.2 *4* (1966Ny01); Iγ=0.046 *9* (1972Fi12). Mult.: α(K)exp=0.0072 *21* implies M1. However, E(ce)

$^{192}_{78}Pt_{114}$-18

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								is high, suggesting ce line May be contaminated; if so, α(K)exp will be an overestimate. The level scheme implies E2.
								placement from 2453 level rejected by 2008Mc04.
1267.52 *10*	0.19 *2*	1880.02	3^+	612.46318	2^+	M1	0.00722 *11*	α=0.00722 *11*; α(K)=0.00599 *9*; α(L)=0.000936 *14*; α(M)=0.000215 *3*; α(N+..)=8.19×10^{-5} *12*
								α(N)=5.31×10^{-5} *8*; α(O)=9.59×10^{-6} *14*; α(P)=6.61×10^{-7} *10*; α(IPF)=1.85×10^{-5} *3*
								Mult.: α(K)exp=0.0040 *11*.
								other Iγ: 0.12 *1* (1972Fi12).
1270.33 *6*	0.23 *2*	2191.30	$(2^+,3^-)$	920.91852	3^+			other Iγ: 0.19 *2* (1972Fi12).
								placement from a 1883 level rejected by 2008Mc04.
x1277.5 d	0.12 d *6*							placement from a 1277 level rejected by 2008Mc04.
1281.99 *4*	0.72 *3*	1894.479	$(2,3)^-$	612.46318	2^+	E1	0.001410 *20*	α=0.001410 *20*; α(K)=0.001146 *16*; α(L)=0.0001663 *24*; α(M)=3.78×10^{-5} *6*; α(N+..)=5.97×10^{-5}
								α(N)=9.32×10^{-6} *13*; α(O)=1.673×10^{-6} *24*; α(P)=1.132×10^{-7} *16*; α(IPF)=4.86×10^{-5} *7*
								Mult.: α(K)exp=0.0015 *3*.
1287.7 *2*	0.15 *1*	3027.39	$(2,3)^-$	1739.432	$(1)^-$	M1	0.00695 *10*	α=0.00695 *10*; α(K)=0.00576 *8*; α(L)=0.000899 *13*; α(M)=0.000206 *3*; α(N+..)=8.38×10^{-5} *12*
								α(N)=5.11×10^{-5} *8*; α(O)=9.21×10^{-6} *13*; α(P)=6.35×10^{-7} *9*; α(IPF)=2.29×10^{-5} *4*
								Mult.: α(K)exp=0.0056 *19*.
x1289.7 & *8*								E_γ,I_γ: see comment with 1291.6γ.
1291.60 *9*	0.14 *1*	3031.00	(≤3)	1739.432	$(1)^-$			other data: Eγ=1291.20 *25*, Iγ=0.15 *1* (1972Fi12). however, it is unclear how this line is related to Eγ=1289.7 *8* and 1292.6 *5* in ce data from 1966Ny01. if it corresponds to the latter, α(K)exp(1292)=0.014 *3*.
1295.00 *10*	0.033 *6*	3189.52	$(2,3^-)$	1894.479	$(2,3)^-$			Mult.: α(K)exp=0060 *19* for doublet.
1296.0 *3*	0.051 *8*	2217.12	$(2)^+$	920.91852	3^+			
x1302.4 *3*	0.07 *3*							Mult.: α(K)exp=0.011 *5*.
1307.8 *2*	0.026 *4*	2508.84	$(2,3)^+$	1201.0452	4^+			other Eγ (Iγ): 1308.1 *7* (0.15 *5*) (1970Pl09).
								placement from a 1308 level rejected by 2008Mc04.
1312.85 *10*	0.53 *6*	1629.30	0^+	316.50645	2^+	E2	0.00326 *5*	α=0.00326 *5*; α(K)=0.00266 *4*; α(L)=0.000442 *7*; α(M)=0.0001023 *15*; α(N+..)=4.87×10^{-5} *7*
								α(N)=2.52×10^{-5} *4*; α(O)=4.49×10^{-6} *7*; α(P)=2.79×10^{-7} *4*; α(IPF)=1.87×10^{-5} *3*
								Mult.: α(K)exp=0.0033 *7*; α(K)exp consistent with some M1 admixture, but level scheme is not.
								other data: Eγ=1313.14 *20* (1966Ny01); Iγ=0.74 *2* (1972Fi12).
								placement from 2891 level rejected by 2008Mc04.
1316.56 *7*	0.57 *3*	2237.52	$(2)^+$	920.91852	3^+	M1+E2	0.0049 *17*	α=0.0049 *17*; α(K)=0.0040 *14*; α(L)=0.00064 *21*; α(M)=0.00015 *5*; α(N+..)=6.8×10^{-5} *20*
								α(N)=3.7×10^{-5} *12*; α(O)=6.6×10^{-6} *22*; α(P)=4.4×10^{-7} *17*;

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

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								α(IPF)=2.5×10^{-5} *6* other Iγ: 0.38 *4* (1972Fi12). Mult.: α(K)exp=0.0043 *8*.
x1321.5 *8*	0.26 *10*							
x1325.5 a	0.16 *6*							
x1330.0 *7*	0.15 *5*							
1336.31 *4*	0.90 *4*	2257.26	(2)$^-$	920.91852	3$^+$	E1	0.001342 *19*	α=0.001342 *19*; α(K)=0.001067 *15*; α(L)=0.0001545 *22*; α(M)=3.51×10^{-5} *5*; α(N+..)=8.49×10^{-5} α(N)=8.65×10^{-6} *13*; α(O)=1.554×10^{-6} *22*; α(P)=1.055×10^{-7} *15*; α(IPF)=7.46×10^{-5} *11* Mult.: α(K)exp=0.0015 *3*.
1337.35 *8*	0.050 *5*	2532.46	1$^+$	1195.170	0$^+$			
1350 f h	<0.003	1666.63	(2,3,4)	316.50645	2$^+$			
1352.60 *9*	0.098 *9*	2730.73	(2)$^-$	1378.054	3$^-$	M1	0.00616 *9*	α=0.00616 *9*; α(K)=0.00509 *8*; α(L)=0.000794 *12*; α(M)=0.000182 *3*; α(N+..)=9.48×10^{-5} *14* α(N)=4.51×10^{-5} *7*; α(O)=8.13×10^{-6} *12*; α(P)=5.61×10^{-7} *8*; α(IPF)=4.10×10^{-5} *6* Mult.: α(K)exp=0.0051 *16*. other Eγ (Iγ): 1352.9 *3*, 1353.16 *20* (0.10 *1*) (1972Fi12); 1353.4 *9* (0.13 *5*) (1970Pl09). placement from a 1353 level rejected by 2008Mc04.
1358.33 *10*	0.027 *3*	2142.96	(3)$^-$	784.5759	4$^+$			
1362.22 *10*	0.035 *5*	3155.74	(2,3)$^-$	1793.503	(2)$^+$			
1363.79 *9*	0.28 *2*	1976.25	(2)$^+$	612.46318	2$^+$	M1	0.00604 *9*	α=0.00604 *9*; α(K)=0.00499 *7*; α(L)=0.000777 *11*; α(M)=0.0001785 *25*; α(N+..)=9.75×10^{-5} *14* α(N)=4.41×10^{-5} *7*; α(O)=7.97×10^{-6} *12*; α(P)=5.50×10^{-7} *8*; α(IPF)=4.48×10^{-5} *7* Mult.: α(K)exp=0.0054 *11*. other Eγ: 1364.26 *15* (1966Ny01). other Iγ: 0.22 *1* (1972Fi12).
x1376.6 & *7*								
1378.0 *2*	0.028 *5*	1378.054	3$^-$	0.0	0$^+$	(E3)	0.00613 *9*	α=0.00613 *9*; α(K)=0.00487 *7*; α(L)=0.000958 *14*; α(M)=0.000226 *4*; α(N+..)=7.90×10^{-5} *11* α(N)=5.59×10^{-5} *8*; α(O)=9.83×10^{-6} *14*; α(P)=5.54×10^{-7} *8*; α(IPF)=1.266×10^{-5} *18* E_γ: 1378.20 *15* (1972Fi12), 1376.6 *7* (1966Ny01). Mult.: from Adopted Gammas.
x1383.8 *8*	0.22 *6*							
1384.00 *15*	0.047 *7*	2585.23	(2)$^+$	1201.0452	4$^+$			
1386.75 *5*	0.71 *3*	2171.37	2$^+$	784.5759	4$^+$	E2	0.00295 *5*	α=0.00295 *5*; α(K)=0.00241 *4*; α(L)=0.000395 *6*; α(M)=9.12×10^{-5} *13*; α(N+..)=6.11×10^{-5} *9* α(N)=2.25×10^{-5} *4*; α(O)=4.00×10^{-6} *6*; α(P)=2.52×10^{-7} *4*;

$^{192}_{78}Pt_{114}$-20

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								α(IPF)=3.43×10^{-5} *5* Mult.: α(K)exp=0.0031 *6*.
1387.78 *9*	0.078 *9*	3127.19	(1$^-$,2$^-$)	1739.432	(1)$^-$			
1389.68 *9*	0.044 *5*	3155.74	(2,3)$^-$	1766.09	(2,3)$^+$			
1393.67 *14*	0.034 *6*	2832.89	(1,2)$^+$	1439.263	2$^+$			other Eγ (Iγ):≈1395.2 (0.15 *6*) (1970Pl09). placement from 2835 level rejected by 2008Mc04.
1398.16 *9*	0.073 *8*	2319.11	1$^+$	920.91852	3$^+$	(E2)	0.00291 *4*	α=0.00291 *4*; α(K)=0.00237 *4*; α(L)=0.000388 *6*; α(M)=8.96×10^{-5} *13*; α(N+..)=6.35×10^{-5} *9* α(N)=2.21×10^{-5} *3*; α(O)=3.94×10^{-6} *6*; α(P)=2.48×10^{-7} *4*; α(IPF)=3.72×10^{-5} *6* Mult.: α(K)exp=0.0034 *11*; a little high for, but not inconsistent with, the pure E2 multipolarity required by the level scheme.
1406.75 *5*	0.054 *6*	2191.30	(2$^+$,3$^-$)	784.5759	4$^+$			
x1409.8[a]	0.13 *6*							
1414.49 *5*	0.51 *4*	2335.465	1$^+$	920.91852	3$^+$	E2	0.00285 *4*	α=0.00285 *4*; α(K)=0.00232 *4*; α(L)=0.000379 *6*; α(M)=8.75×10^{-5} *13*; α(N+..)=6.71×10^{-5} *10* α(N)=2.16×10^{-5} *3*; α(O)=3.85×10^{-6} *6*; α(P)=2.43×10^{-7} *4*; α(IPF)=4.14×10^{-5} *6* Mult.: α(K)exp=0.0023 *5*.
1416.29[c] *8*	0.19 *2*	3155.74	(2,3)$^-$	1739.432	(1)$^-$	M1,E2	0.0042 *14*	α=0.0042 *14*; α(K)=0.0034 *12*; α(L)=0.00054 *17*; α(M)=0.00012 *4*; α(N+..)=9.0×10^{-5} *23* α(N)=3.1×10^{-5} *10*; α(O)=5.5×10^{-6} *17*; α(P)=3.7×10^{-7} *13*; α(IPF)=5.3×10^{-5} *12* Mult.: α(K)exp=0.0051 *11*.
1419.2 *2*	0.057 *8*	2614.29	(2$^+$)	1195.170	0$^+$			
1422.91 *3*	5.8 *1*	1739.432	(1)$^-$	316.50645	2$^+$	E1	0.001264 *18*	α=0.001264 *18*; α(K)=0.000958 *14*; α(L)=0.0001384 *20*; α(M)=3.14×10^{-5} *5*; α(N+..)=0.000135 α(N)=7.75×10^{-6} *11*; α(O)=1.393×10^{-6} *20*; α(P)=9.48×10^{-8} *14*; α(IPF)=0.0001267 *18* Mult.: α(K)exp=0.00101 *16*. other Iγ: 5.13 *8* (1972Fi12).
1428.32 *14*	0.010 *2*	2834.60	(2$^+$)	1406.35	3$^+$			
1429.34 *7*	0.19 *1*	2041.81	(2$^-$,3$^-$)	612.46318	2$^+$			Mult.: α(K)exp=0.0018 *7*; favors E2, but E1 cannot be ruled out. Level scheme implies Δπ=(yes). placement from 2629 level rejected by 2008Mc04.
1432.55 *8*	0.066 *7*	2217.12	(2)$^+$	784.5759	4$^+$			
1435.39 *6*	0.44 *2*	2047.89	(2)$^+$	612.46318	2$^+$	M1	0.00535 *8*	α=0.00535 *8*; α(K)=0.00439 *7*; α(L)=0.000683 *10*; α(M)=0.0001568 *22*; α(N+..)=0.0001188 α(N)=3.88×10^{-5} *6*; α(O)=7.00×10^{-6} *10*; α(P)=4.84×10^{-7} *7*; α(IPF)=7.25×10^{-5} *11* Mult.: α(K)exp=0.0051 *7*. other Iγ: 0.37 *2* (1972Fi12).

$^{192}_{78}$Pt$_{114}$-21

γ(^{192}Pt) (continued)

E_γ [‡]	I_γ [#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	α [†]	Comments
1439.22 *12*	0.092 *9*	1439.263	2^+	0.0	0^+			Mult.: α(K)exp=0.0035 *12* for 1439γ+1440γ doublet.
1440.03 *17*	0.028 *4*	2635.23	1^+	1195.170	0^+			
[x]1441.0[&] *4*								
1449.68 *8*	0.37 *3*	1766.09	$(2,3)^+$	316.50645	2^+	E2(+M1)	0.0040 *13*	α=0.0040 *13*; α(K)=0.0033 *11*; α(L)=0.00051 *16*; α(M)=0.00012 *4*; α(N+..)=0.000100 *25* α(N)=2.9×10^{-5} *9*; α(O)=5.2×10^{-6} *16*; α(P)=3.5×10^{-7} *12*; α(IPF)=6.5×10^{-5} *14* Mult.: α(K)exp=0.0025 *5*. other Iγ: 0.28 *2* (1972Fi12).
1450.0 *2*	0.067 *9*	3189.52	$(2,3^-)$	1739.432	$(1)^-$			
[x]1461.61 *19*	0.16 *8*					(M1)	0.00513 *8*	α=0.00513 *8*; α(K)=0.00420 *6*; α(L)=0.000653 *10*; α(M)=0.0001499 *21*; α(N+..)=0.0001280 α(N)=3.71×10^{-5} *6*; α(O)=6.69×10^{-6} *10*; α(P)=4.62×10^{-7} *7*; α(IPF)=8.37×10^{-5} *12* Mult.: α(K)exp=0.008 *4*. placement from 2074 level rejected by 2008Mc04.
[x]1467.1[c] *5*	0.12 *7*							Mult.: α(K)exp=0.0021 *14*.
[x]1469.1 *8*	0.15 *7*							placements from 2658 and a 2909 level rejected by 2008Mc04.
[x]1474.2 *8*	0.18 *8*							
1477.00 *10*	0.36 *2*	1793.503	$(2)^+$	316.50645	2^+	M1+E2+E0	0.00501 *7*	α=0.00501 *7*; α(K)=0.00409 *6*; α(L)=0.000636 *9*; α(M)=0.0001460 *21*; α(N+..)=0.0001337 *1* α(N)=3.61×10^{-5} *5*; α(O)=6.52×10^{-6} *10*; α(P)=4.50×10^{-7} *7*; α(IPF)=9.06×10^{-5} *13* Mult.: α(K)exp=0.0079 *15*.
1479.03 *5*	0.24 *2*	2857.07	(2^-)	1378.054	3^-			
1487.38 *8*	0.13 *2*	2408.34	$(2)^+$	920.91852	3^+	M1	0.00493 *7*	α=0.00493 *7*; α(K)=0.00402 *6*; α(L)=0.000625 *9*; α(M)=0.0001434 *20*; α(N+..)=0.0001377 *2* α(N)=3.55×10^{-5} *5*; α(O)=6.40×10^{-6} *9*; α(P)=4.43×10^{-7} *7*; α(IPF)=9.54×10^{-5} *14* Mult.: α(K)exp=0.0042 *16*.
[x]1492.5 *9*	0.15 *5*							
[x]1504.84 *16*	0.28 *2*					M1	0.00480 *7*	α=0.00480 *7*; α(K)=0.00391 *6*; α(L)=0.000607 *9*; α(M)=0.0001393 *20*; α(N+..)=0.0001447 *2* α(N)=3.45×10^{-5} *5*; α(O)=6.22×10^{-6} *9*; α(P)=4.30×10^{-7} *6*; α(IPF)=0.0001036 *15* Mult.: α(K)exp=0.0039 *8*.
1507.75 *9*	0.04 *1*	2120.21	(2^+)	612.46318	2^+			other Iγ: 0.18 *6* (1970Pl09). placement from an 1823 level rejected by 2008Mc04.
1511.11 *20*	0.028 *5*	2950.43	$(1,2^+)$	1439.263	2^+	E2	0.00256 *4*	α=0.00256 *4*; α(K)=0.00206 *3*; α(L)=0.000331 *5*; α(M)=7.64×10^{-5} *11*; α(N+..)=9.21×10^{-5} *13* α(N)=1.88×10^{-5} *3*; α(O)=3.36×10^{-6} *5*; α(P)=2.15×10^{-7} *3*; α(IPF)=6.97×10^{-5} *10*

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γ(^{192}Pt) (continued)

E_γ [‡]	I_γ [#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	δ [@]	α [†]	$I_{(\gamma+ce)}$ [g]	Comments
										Mult.: α(K)exp=0.020 *6*.
										placement from 2296 level rejected by 2008Mc04.
1512.75 *13*	0.090 *15*	2890.93	(2)$^-$	1378.054	3$^-$					
1514.44 *11*	0.029 *8*	2435.37	3$^+$	920.91852	3$^+$	M1+E2+E0		0.0036 *11*		α=0.0036 *11*; α(K)=0.0029 *9*; α(L)=0.00046 *14*; α(M)=0.00011 *3*; α(N+..)=0.00012 *3* α(N)=2.6×10^{-5} *8*; α(O)=4.7×10^{-6} *14*; α(P)=3.2×10^{-7} *11*; α(IPF)=9.0×10^{-5} *19*
										Mult.: α(K)exp=0.014 *6*.
										placement from a 1514 level rejected by 2008Mc04.
1517.05 *9*	0.33 *3*	2129.52	(1$^-$)	612.46318	2$^+$					Mult.: α(K)exp=0.0015 *5*. Possibly overestimated; E(ce) is high suggesting ce line May include 1519γ. E1 and E2 assignments possible. Additional information 1. other data: Eγ=1517.8 *3* (1966Ny01); Iγ=0.22 *2* (1972Fi12).
1519.43 *12*	0.043 *7*	2958.75	(2,3)$^-$	1439.263	2$^+$					
[x]1521.8 *7*	0.27 *8*									
1530.4 *1*	0.049 *6*	2142.96	(3)$^-$	612.46318	2$^+$					other Iγ: 0.12 *5* (1970Pl09).
1536.91 *4*	0.83 *3*	2149.385	1$^+$	612.46318	2$^+$	M1		0.00457 *7*		α=0.00457 *7*; α(K)=0.00371 *6*; α(L)=0.000576 *8*; α(M)=0.0001321 *19*; α(N+..)=0.0001586 *2* α(N)=3.27×10^{-5} *5*; α(O)=5.90×10^{-6} *9*; α(P)=4.08×10^{-7} *6*; α(IPF)=0.0001196 *17*
										Mult.: α(K)exp=0.0042 *7*.
										other Iγ: 0.73 *3* (1972Fi12).
1546.96 *15*		1546.93	(0$^+$)	0.0	0$^+$	(E0)			0.009 *1*	Mult.: α(K)exp≥0.060 *10* from Iγ≤0.12 (1972Fi12). Eγ: from 1966Ny01. $I_{(\gamma+ce)}$: deduced from Ice(K) and theoretical K/L ratios for E0 transitions (1969Ha61).
1549.24 *8*	0.25 *3*	2161.64		612.46318	2$^+$					
1551.39 *8*	0.020 *7*	2472.27	2$^+$	920.91852	3$^+$					
1559.0 *2*	1.6 *1*	2171.37	2$^+$	612.46318	2$^+$	E2(+M1)	≤1.6	0.0037 *8*		α=0.0037 *8*; α(K)=0.0030 *6*; α(L)=0.00047 *9*; α(M)=0.000107 *21*; α(N+..)=0.000146 *23* α(N)=2.7×10^{-5} *5*; α(O)=4.8×10^{-6} *10*; α(P)=3.3×10^{-7} *7*; α(IPF)=0.000115 *17*
										Mult.: α(K)exp=0.0020 *4*.
										other Iγ: 1.10 *3* (1972Fi12).
1563.74 *19*	0.40 *12*	1880.02	3$^+$	316.50645	2$^+$	M1		0.00440 *7*		α=0.00440 *7*; α(K)=0.00355 *5*; α(L)=0.000551 *8*; α(M)=0.0001265 *18*; α(N+..)=0.0001710 *2* α(N)=3.13×10^{-5} *5*; α(O)=5.65×10^{-6} *8*; α(P)=3.91×10^{-7} *6*; α(IPF)=0.0001336 *19*
										Mult.: α(K)exp=0.0046 *16*.
1565.39 *7*	0.45 *2*	2486.29	(2)$^-$	920.91852	3$^+$					
[x]1566.76 *19*	0.94 *15*					E2		0.00241 *4*		α=0.00241 *4*; α(K)=0.00193 *3*; α(L)=0.000308 *5*;

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^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ [‡]	I_γ [#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult. [@]	α [†]	Comments
								α(M)=7.10×10^{-5} *10*; α(N+..)=0.0001092 *16* α(N)=1.751×10^{-5} *25*; α(O)=3.13×10^{-6} *5*; α(P)=2.01×10^{-7} *3*; α(IPF)=8.84×10^{-5} *13* Mult.: α(K)exp=0.0018 *4*. placement from a 1883 level rejected by 2008Mc04.
1576.38 *4*	4.10 *10*	1576.368	2$^+$	0.0	0$^+$	E2	0.00239 *4*	α=0.00239 *4*; α(K)=0.00191 *3*; α(L)=0.000304 *5*; α(M)=7.01×10^{-5} *10*; α(N+..)=0.0001124 *16* α(N)=1.730×10^{-5} *25*; α(O)=3.09×10^{-6} *5*; α(P)=1.99×10^{-7} *3*; α(IPF)=9.18×10^{-5} *13* Mult.: α(K)exp=0.0018 *4*.
1577.95 *5*	0.44 *3*	1894.479	(2,3)$^-$	316.50645	2$^+$			
1579.2 *3*	0.25 *2*	3155.74	(2,3)$^-$	1576.368	2$^+$			Mult.: α(K)exp=0.0040 *11* for doublet ce spectrum. other Eγ (Iγ): 1580.0 *3* (0.90 *5*) for doublet (1972Fi12).
1580.64 *8*	0.64 *3*	2958.75	(2,3)$^-$	1378.054	3$^-$	M1	0.00430 *6*	α=0.00430 *6*; α(K)=0.00346 *5*; α(L)=0.000537 *8*; α(M)=0.0001231 *18*; α(N+..)=0.000179 *3* α(N)=3.05×10^{-5} *5*; α(O)=5.50×10^{-6} *8*; α(P)=3.80×10^{-7} *6*; α(IPF)=0.0001427 *20* Mult.: α(K)exp=0.0053 *10*.
1587.86 *9*	0.35 *2*	2508.84	(2,3)$^+$	920.91852	3$^+$	M1	0.00425 *6*	α=0.00425 *6*; α(K)=0.00342 *5*; α(L)=0.000531 *8*; α(M)=0.0001217 *17*; α(N+..)=0.000183 *3* α(N)=3.01×10^{-5} *5*; α(O)=5.43×10^{-6} *8*; α(P)=3.76×10^{-7} *6*; α(IPF)=0.0001467 *21* Mult.: α(K)exp=0.0040 *8*. placement from a 2201 level rejected by 2008Mc04.
1604.67 *13*	0.10 *1*	2217.12	(2)$^+$	612.46318	2$^+$	M1	0.00416 *6*	α=0.00416 *6*; α(K)=0.00333 *5*; α(L)=0.000517 *8*; α(M)=0.0001185 *17*; α(N+..)=0.000191 *3* α(N)=2.93×10^{-5} *5*; α(O)=5.29×10^{-6} *8*; α(P)=3.66×10^{-7} *6*; α(IPF)=0.0001559 *22* Mult.: α(K)exp=0.0055 *16*.
x1608.2[a]	0.06 *3*							
1624.35 *3*	3.3 *1*	2236.82	(1,2)$^+$	612.46318	2$^+$	M1	0.00405 *6*	α=0.00405 *6*; α(K)=0.00323 *5*; α(L)=0.000501 *7*; α(M)=0.0001150 *16*; α(N+..)=0.000201 *3* α(N)=2.84×10^{-5} *4*; α(O)=5.13×10^{-6} *8*; α(P)=3.55×10^{-7} *5*; α(IPF)=0.0001668 *24* Mult.: α(K)exp=0.0034 *6*. other Iγ: 2.88 *5* (1972Fi12).
x1629.5[&] *4*								
1633.56 *8*	0.038 *6*	2834.60	(2$^+$)	1201.0452	4$^+$			
x1636.1[a]	0.12 *5*							
1639.2 *2*	0.058 *8*	2560.15	(1$^+$,2)	920.91852	3$^+$			
1639.43 *9*	0.027 *4*	2834.60	(2$^+$)	1195.170	0$^+$			
1641.91 *16*	0.098 *10*	2562.96	(2)$^+$	920.91852	3$^+$			
1644.77 *6*	1.00 *10*	2257.26	(2)$^-$	612.46318	2$^+$	E1	0.001172 *17*	α=0.001172 *17*; α(K)=0.000752 *11*; α(L)=0.0001079 *16*;

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γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								α(M)=2.45×10^{-5} *4*; α(N+..)=0.000288 α(N)=6.04×10^{-6} *9*; α(O)=1.086×10^{-6} *16*; α(P)=7.45×10^{-8} *11*; α(IPF)=0.000281 *4* Mult.: α(K)exp=0.00076 *21*. other Iγ: 0.84 *3* (1972Fi12), 1.25 *25* (1970Pl09).
1649.32 *8*	0.25 *3*	3027.39	(2,3)$^-$	1378.054	3$^-$			
x1655.1[a]	0.09 *4*							
1659.78 *7*	0.26 *2*	1976.25	(2)$^+$	316.50645	2$^+$	M1	0.00387 *6*	α=0.00387 *6*; α(K)=0.00306 *5*; α(L)=0.000475 *7*; α(M)=0.0001089 *16*; α(N+..)=0.000219 *3* α(N)=2.69×10^{-5} *4*; α(O)=4.86×10^{-6} *7*; α(P)=3.37×10^{-7} *5*; α(IPF)=0.000187 *3* Mult.: α(K)exp=0.0052 *11*.
1664.2 *1*	0.088 *9*	2585.23	(2)$^+$	920.91852	3$^+$	M1	0.00384 *6*	α=0.00384 *6*; α(K)=0.00304 *5*; α(L)=0.000472 *7*; α(M)=0.0001082 *16*; α(N+..)=0.000221 *3* α(N)=2.68×10^{-5} *4*; α(O)=4.83×10^{-6} *7*; α(P)=3.34×10^{-7} *5*; α(IPF)=0.000189 *3* Mult.: α(K)exp=0.0057 *14*.
x1671.8 *8*	0.16 *6*							
x1675.1[a]	0.10 *5*							placement from 2857 level rejected by 2008Mc04.
x1678.3[a]	0.11 *5*							
1682.09 *9*	0.090 *10*	2602.97	(2)$^+$	920.91852	3$^+$			
1683.34 *25*	0.22 *2*	2296.06	(1,2)$^+$	612.46318	2$^+$	M1	0.00375 *6*	α=0.00375 *6*; α(K)=0.00296 *5*; α(L)=0.000458 *7*; α(M)=0.0001051 *15*; α(N+..)=0.000231 *4* α(N)=2.60×10^{-5} *4*; α(O)=4.69×10^{-6} *7*; α(P)=3.25×10^{-7} *5*; α(IPF)=0.000200 *3* Mult.: α(K)exp=0.0042 *9*; suggests possible E0 component. E_γ: from 1966Ny01; 1683.5 *3* from 2008Mc04. other Iγ: 0.22 *2* (1972Fi12).
x1685.8[a]	0.15 *8*							
1687.61 *9*	0.022 *5*	2472.27	2$^+$	784.5759	4$^+$			
x1689.6[a]	0.15 *8*							placement from 2891 level rejected by 2008Mc04.
1693.29 *24*	0.19 *2*	2614.29	(2$^+$)	920.91852	3$^+$	M1	0.00371 *6*	α=0.00371 *6*; α(K)=0.00292 *4*; α(L)=0.000452 *7*; α(M)=0.0001036 *15*; α(N+..)=0.000237 *4* α(N)=2.56×10^{-5} *4*; α(O)=4.62×10^{-6} *7*; α(P)=3.20×10^{-7} *5*; α(IPF)=0.000206 *3* Mult.: α(K)exp=0.0040 *6*.
1706.63 *3*	3.3 *1*	2319.11	1$^+$	612.46318	2$^+$	M1	0.00365 *6*	α=0.00365 *6*; α(K)=0.00286 *4*; α(L)=0.000443 *7*; α(M)=0.0001015 *15*; α(N+..)=0.000244 *4* α(N)=2.51×10^{-5} *4*; α(O)=4.53×10^{-6} *7*; α(P)=3.14×10^{-7} *5*; α(IPF)=0.000214 *3* Mult.: α(K)exp=0.0035 *5*.
1723.00 *4*	6.0 *3*	2335.465	1$^+$	612.46318	2$^+$	M1	0.00358 *5*	α=0.00358 *5*; α(K)=0.00279 *4*; α(L)=0.000432 *6*; α(M)=9.91×10^{-5} *14*; α(N+..)=0.000253 *4*

$^{192}_{78}$Pt$_{114}$-25

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								α(N)=2.45×10^{-5} *4*; α(O)=4.43×10^{-6} *7*; α(P)=3.07×10^{-7} *5*; α(IPF)=0.000224 *4* other Iγ: 5.36 *15* (1972Fi12). Mult.: α(K)exp=0.0028 *5*.
1724.95 *21*	0.012 *3*	2041.81	(2$^-$,3$^-$)	316.50645	2$^+$			
1726.35 *10*	0.26 *3*	2647.32	(2)$^-$	920.91852	3$^+$			
1731.4 *1*	1.21 *5*	2047.89	(2)$^+$	316.50645	2$^+$	M1	0.00354 *5*	α=0.00354 *5*; α(K)=0.00276 *4*; α(L)=0.000427 *6*; α(M)=9.79×10^{-5} *14*; α(N+..)=0.000258 *4* α(N)=2.42×10^{-5} *4*; α(O)=4.37×10^{-6} *7*; α(P)=3.03×10^{-7} *5*; α(IPF)=0.000229 *4* Mult.: α(K)exp=0.0040 *7*.
1739.49 *10*	0.39 *3*	1739.432	(1)$^-$	0.0	0$^+$	(E1)	0.001162 *17*	α=0.001162 *17*; α(K)=0.000685 *10*; α(L)=9.81×10^{-5} *14*; α(M)=2.23×10^{-5} *4*; α(N+..)=0.000357 *5* α(N)=5.49×10^{-6} *8*; α(O)=9.88×10^{-7} *14*; α(P)=6.80×10^{-8} *10*; α(IPF)=0.000351 *5* Mult.: α(K)exp=0.00099 *27*.
x1742.0 *9*	0.11 *5*							
1755.4 *3*	0.0096 *15*	2950.43	(1,2$^+$)	1195.170	0$^+$			
1757.7 *4*	0.025 *10*	2073.95	2$^+$	316.50645	2$^+$			Mult.: α(K)exp=0.025 *12*. placement from 2891 level rejected by 2008Mc04.
1762.90 *4*	1.3 *2*	2375.392	(1,2)$^+$	612.46318	2$^+$	E2(+M1)	0.0027 *7*	α=0.0027 *7*; α(K)=0.0021 *6*; α(L)=0.00033 *9*; α(M)=7.5×10^{-5} *19*; α(N+..)=0.00023 *5* α(N)=1.8×10^{-5} *5*; α(O)=3.3×10^{-6} *9*; α(P)=2.3×10^{-7} *7*; α(IPF)=0.00021 *5* Mult.: α(K)exp=0.0019 *4*.
x1769.4 *9*	0.15 *8*							
1777.8 *2*	0.019 *4*	3155.74	(2,3)$^-$	1378.054	3$^-$			
1778.39 *6*	0.16 *1*	2562.96	(2)$^+$	784.5759	4$^+$			Mult.: α(K)exp=0.026 *6* for probable doublet, >>α(K)(M1); however, level scheme implies E2 for this placement.
x1781.7 *9*	0.17 *7*							
1786.79 *4*	1.45 *12*	2399.270	(1,2)$^+$	612.46318	2$^+$	(E2)	0.00200 *3*	α=0.00200 *3*; α(K)=0.001517 *22*; α(L)=0.000237 *4*; α(M)=5.45×10^{-5} *8*; α(N+..)=0.000191 *3* α(N)=1.346×10^{-5} *19*; α(O)=2.41×10^{-6} *4*; α(P)=1.582×10^{-7} *23*; α(IPF)=0.0001747 *25* Mult.: α(K)exp=0.0021 *7*.
1795.75 *20*	0.060 *9*	2408.34	(2)$^+$	612.46318	2$^+$	M1(+E2)	0.0026 *7*	α=0.0026 *7*; α(K)=0.0020 *5*; α(L)=0.00031 *8*; α(M)=7.2×10^{-5} *18*; α(N+..)=0.00024 *5* α(N)=1.8×10^{-5} *5*; α(O)=3.2×10^{-6} *8*; α(P)=2.2×10^{-7} *6*; α(IPF)=0.00022 *5* Mult.: α(K)exp=0.025 *8*.
1800.68 *7*	0.035 *5*	2585.23	(2)$^+$	784.5759	4$^+$			
1810.39 *9*	0.075 *8*	2422.78	(1,2)$^+$	612.46318	2$^+$			
1811.57 *15*	0.037 *5*	3189.52	(2,3$^-$)	1378.054	3$^-$			

$^{192}_{78}$Pt$_{114}$-26

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	Comments
1813.00 *7*	0.72 *3*	2129.52	(1$^-$)	316.50645	2$^+$			Mult.: α(K)exp=0.0013 *4*; it is unclear whether the 1812γ contributes to the reported I(ce). E2 appears most likely, but is inconsistent with adopted level scheme. Additional information 2.
1822.90 *8*	0.32 *2*	2435.37	3$^+$	612.46318	2$^+$	M1	0.00320 *5*	α=0.00320 *5*; α(K)=0.00243 *4*; α(L)=0.000375 *6*; α(M)=8.60×10^{-5} *12*; α(N+..)=0.000312 *5* α(N)=2.13×10^{-5} *3*; α(O)=3.84×10^{-6} *6*; α(P)=2.66×10^{-7} *4*; α(IPF)=0.000287 *4* Mult.: α(K)exp=0.0033 *9*. placement from an 1823 level rejected by 2008Mc04.
1832.83 *4*	4.7 *3*	2149.385	1$^+$	316.50645	2$^+$	M1	0.00317 *5*	α=0.00317 *5*; α(K)=0.00240 *4*; α(L)=0.000370 *6*; α(M)=8.49×10^{-5} *12*; α(N+..)=0.000318 *5* α(N)=2.10×10^{-5} *3*; α(O)=3.79×10^{-6} *6*; α(P)=2.63×10^{-7} *4*; α(IPF)=0.000293 *5* Mult.: α(K)exp=0.0027 *4*. other Iγ: 5.5 *6* (1970Pl09).
1840.94 *10*	0.11 *2*	2453.43	2$^+$	612.46318	2$^+$	M1+E2+E0	0.0025 *6*	α=0.0025 *6*; α(K)=0.0019 *5*; α(L)=0.00030 *8*; α(M)=6.8×10^{-5} *17*; α(N+..)=0.00027 *6* α(N)=1.7×10^{-5} *4*; α(O)=3.0×10^{-6} *8*; α(P)=2.0×10^{-7} *6*; α(IPF)=0.00025 *5* Mult.: α(K)exp=0.0069 *20*.
1855.0 *3*	0.20 *2*	2171.37	2$^+$	316.50645	2$^+$	M1+E2+E0	0.0025 *6*	α=0.0025 *6*; α(K)=0.0019 *5*; α(L)=0.00029 *7*; α(M)=6.6×10^{-5} *16*; α(N+..)=0.00028 *6* α(N)=1.6×10^{-5} *4*; α(O)=3.0×10^{-6} *8*; α(P)=2.0×10^{-7} *6*; α(IPF)=0.00026 *6* Mult.: α(K)exp=0.030 *6*. α: estimated from α(K)exp.
1859.82 *9*	0.084 *9*	2472.27	2$^+$	612.46318	2$^+$	M1+E2+E0	0.0025 *6*	α=0.0025 *6*; α(K)=0.0019 *5*; α(L)=0.00029 *7*; α(M)=6.6×10^{-5} *16*; α(N+..)=0.00028 *6* α(N)=1.6×10^{-5} *4*; α(O)=2.9×10^{-6} *8*; α(P)=2.0×10^{-7} *6*; α(IPF)=0.00026 *6* Mult.: α(K)exp=0.0050 *13*.
[x]1868.2 *9*	0.13 *6*							
1871.10 *10*	0.14 *2*	2483.64	≤3	612.46318	2$^+$			
[x]1872.4 *5*	0.45 *20*					(E1,E2)		Mult.: α(K)exp=0.0010 *6*.
[x]1874.8 *8*	0.45 *20*							
1880[fh]	<0.007	1880.02	3$^+$	0.0	0$^+$	[M3]		other Eγ (Iγ): 1880.2 *7* (0.19 *7*) (1970Pl09).
[x]1883.78[&] *25*						(E0)[e]		placement from a 1883 level rejected by 2008Mc04.
1896.40 *8*	0.12 *1*	2508.84	(2,3)$^+$	612.46318	2$^+$			other Eγ:≈1894.9 (1970Pl09). placement from 1895 level rejected by 2008Mc04.
[x]1900.5[c] *7*	0.15 *7*					M1	0.00297 *5*	α=0.00297 *5*; α(K)=0.00219 *3*; α(L)=0.000338 *5*; α(M)=7.75×10^{-5} *11*; α(N+..)=0.000360 *5* α(N)=1.92×10^{-5} *3*; α(O)=3.46×10^{-6} *5*; α(P)=2.40×10^{-7} *4*;

$^{192}_{78}$Pt$_{114}$-27

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								α(IPF)=0.000337 *5* Mult.: α(K)exp=0.0045 *23*. placement from 2217 rejected by 2008Mc04.
1913.6 *2*	0.054 *7*	2834.60	(2$^+$)	920.91852	3$^+$			
x1915.4 [a]	0.11 *5*							
1919.95 *8*	0.17 *2*	2532.46	1$^+$	612.46318	2$^+$			other data: Eγ: 1921.1 *3* (1966Ny01), 1921.3 *3* (1970Pl09). Iγ: 5.6 *7* (1970Pl09).
1921.05 *6*	4.7 *2*	2237.52	(2)$^+$	316.50645	2$^+$	M1	0.00291 *4*	α=0.00291 *4*; α(K)=0.00213 *3*; α(L)=0.000329 *5*; α(M)=7.55×10^{-5} *11*; α(N+..)=0.000372 *6* α(N)=1.87×10^{-5} *3*; α(O)=3.37×10^{-6} *5*; α(P)=2.34×10^{-7} *4*; α(IPF)=0.000350 *5* Mult.: α(K)exp=0.0026 *4*.
x1934.9 [d]	0.18 [d] *9*							
1936.07 *8*	0.031 *4*	2857.07	(2$^-$)	920.91852	3$^+$			
1936.9 *1*	0.19 *1*	2549.42	(2)$^+$	612.46318	2$^+$	M1,E2	0.0023 *6*	α=0.0023 *6*; α(K)=0.0017 *4*; α(L)=0.00026 *6*; α(M)=6.0×10^{-5} *14*; α(N+..)=0.00032 *7* α(N)=1.5×10^{-5} *4*; α(O)=2.7×10^{-6} *7*; α(P)=1.8×10^{-7} *5*; α(IPF)=0.00030 *6* Mult.: α(K)exp=0.0018 *5*.
1940.80 *10*	2.4 *2*	2257.26	(2)$^-$	316.50645	2$^+$	E1	0.001175 *17*	α=0.001175 *17*; α(K)=0.000572 *8*; α(L)=8.16×10^{-5} *12*; α(M)=1.85×10^{-5} *3*; α(N+..)=0.000503 *7* α(N)=4.57×10^{-6} *7*; α(O)=8.22×10^{-7} *12*; α(P)=5.68×10^{-8} *8*; α(IPF)=0.000498 *7* Mult.: α(K)exp=0.00066 *14*.
x1946.9 [a]	0.14 *6*							
1950.46 *13*	0.86 *2*	2562.96	(2)$^+$	612.46318	2$^+$	M1	0.00283 *4*	α=0.00283 *4*; α(K)=0.00205 *3*; α(L)=0.000317 *5*; α(M)=7.26×10^{-5} *11*; α(N+..)=0.000391 *6* α(N)=1.80×10^{-5} *3*; α(O)=3.24×10^{-6} *5*; α(P)=2.25×10^{-7} *4*; α(IPF)=0.000369 *6* Mult.: α(K)exp=0.0026 *5*. placement from a 3146 level rejected by 2008Mc04.
x1961.8 *9*	0.11 *5*							
1969.99 *8*	0.11 *1*	2890.93	(2)$^-$	920.91852	3$^+$			
1972.85 *15*	0.57 *7*	2585.23	(2)$^+$	612.46318	2$^+$	M1	0.00278 *4*	α=0.00278 *4*; α(K)=0.00200 *3*; α(L)=0.000308 *5*; α(M)=7.06×10^{-5} *10*; α(N+..)=0.000405 *6* α(N)=1.746×10^{-5} *25*; α(O)=3.15×10^{-6} *5*; α(P)=2.19×10^{-7} *3*; α(IPF)=0.000384 *6* Mult.: α(K)exp=0.0023 *5*. other Iγ: 0.72 *15* (1970Pl09) for possible doublet. placement from 2757 level rejected by 2008Mc04.
1976 [f h]	<0.001	1976.25	(2)$^+$	0.0	0$^+$			
1979.58 *8*	1.3 *2*	2296.06	(1,2)$^+$	316.50645	2$^+$	M1	0.00276 *4*	α=0.00276 *4*; α(K)=0.00198 *3*; α(L)=0.000305 *5*; α(M)=7.00×10^{-5} *10*; α(N+..)=0.000409 *6*

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								α(N)=1.731×10^{-5} *25*; α(O)=3.13×10^{-6} *5*; α(P)=2.17×10^{-7} *3*; α(IPF)=0.000389 *6* Mult.: α(K)exp=0.0024 *6*.
x1989.3 *8*	0.16 *5*							
1992.25 *9*	0.16 *1*	2604.76	(1,2)$^-$	612.46318	2$^+$			
x1993.5 *8*	0.27 *8*							
x1999.3[a]	0.25 *15*							
2001.75 *15*	0.19 *2*	2614.29	(2$^+$)	612.46318	2$^+$			
2002.54 *8*	1.20 *15*	2319.11	1$^+$	316.50645	2$^+$			Complex, with at least 2 unresolved peaks in ce spectrum; 1966Ny01 suggested second placement from 2614.6 level. α(K)exp=0.0023 *7* for doublet.
2016.81 *15*	0.11 *1*	2629.24	2$^+$	612.46318	2$^+$	M1+E2+E0		Mult.: α(K)exp=0.0061 *15*.
2018.8 *2*	2.4 *3*	2335.465	1$^+$	316.50645	2$^+$	M1	0.00268 *4*	α=0.00268 *4*; α(K)=0.00189 *3*; α(L)=0.000291 *4*; α(M)=6.66×10^{-5} *10*; α(N+..)=0.000434 *6* α(N)=1.649×10^{-5} *23*; α(O)=2.98×10^{-6} *5*; α(P)=2.07×10^{-7} *3*; α(IPF)=0.000415 *6* Mult.: α(K)exp=0.0017 *4*.
x2024.5[a]	0.09 *5*							
2026.2 *2*	0.029 *6*	2947.001	(2$^-$)	920.91852	3$^+$			
2034.87 *7*	1.2 *2*	2647.32	(2)$^-$	612.46318	2$^+$	E1	0.001192 *17*	α=0.001192 *17*; α(K)=0.000530 *8*; α(L)=7.55×10^{-5} *11*; α(M)=1.712×10^{-5} *24*; α(N+..)=0.000570 α(N)=4.22×10^{-6} *6*; α(O)=7.61×10^{-7} *11*; α(P)=5.27×10^{-8} *8*; α(IPF)=0.000565 *8* Mult.: α(K)exp=0.00059 *17*.
2037.86 *12*	0.028 *5*	2958.75	(2,3)$^-$	920.91852	3$^+$			
2042[f,h]	<0.001	2041.81	(2$^-$,3$^-$)	0.0	0$^+$			M2,E3 multipolarity implied by placement so No significant branch is expected.
2047.8 *3*	0.015 *4*	2047.89	(2)$^+$	0.0	0$^+$			
x2051.3[a]	0.09 *5*							placement from a 3360 level rejected by 2008Mc04.
x2055.3[c] *7*	0.07 *4*							Mult.: α(K)exp=0.0025 *15*.
2058.9 *1*	0.38 *8*	2375.392	(1,2)$^+$	316.50645	2$^+$	M1	0.00260 *4*	α=0.00260 *4*; α(K)=0.00180 *3*; α(L)=0.000277 *4*; α(M)=6.35×10^{-5} *9*; α(N+..)=0.000460 *7* α(N)=1.569×10^{-5} *22*; α(O)=2.83×10^{-6} *4*; α(P)=1.97×10^{-7} *3*; α(IPF)=0.000441 *7* Mult.: α(K)exp=0.0018 *5*.
x2068.1 *9*	0.09 *5*							
2073.7 *3*	0.20 *2*	2073.95	2$^+$	0.0	0$^+$	E2	0.001694 *24*	α=0.001694 *24*; α(K)=0.001159 *17*; α(L)=0.0001778 *25*; α(M)=4.07×10^{-5} *6*; α(N+..)=0.000316 α(N)=1.005×10^{-5} *14*; α(O)=1.80×10^{-6} *3*; α(P)=1.207×10^{-7} *17*; α(IPF)=0.000304 *5* Mult.: α(K)exp=0.00097 *20*.
2082.79 *6*	1.2 *1*	2399.270	(1,2)$^+$	316.50645	2$^+$	M1	0.00255 *4*	α=0.00255 *4*; α(K)=0.001747 *25*; α(L)=0.000269 *4*; α(M)=6.16×10^{-5} *9*; α(N+..)=0.000476 *7*

$^{192}_{78}$Pt$_{114}$-29

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	Comments
								α(N)=1.525×10^{-5} *22*; α(O)=2.75×10^{-6} *4*; α(P)=1.91×10^{-7} *3*; α(IPF)=0.000457 *7* Mult.: α(K)exp=0.0019 *4*.
2091.90 *7*	0.18 *2*	2408.34	(2)$^+$	316.50645	2$^+$	M1	0.00254 *4*	α=0.00254 *4*; α(K)=0.001728 *25*; α(L)=0.000266 *4*; α(M)=6.10×10^{-5} *9*; α(N+..)=0.000481 *7* α(N)=1.508×10^{-5} *22*; α(O)=2.72×10^{-6} *4*; α(P)=1.89×10^{-7} *3*; α(IPF)=0.000463 *7* Mult.: α(K)exp=0.0035 *9*.
[x]2097.1[&] *9*								
2106.25 *5*	1.3 *2*	2422.78	(1,2)$^+$	316.50645	2$^+$	M1	0.00251 *4*	α=0.00251 *4*; α(K)=0.001699 *24*; α(L)=0.000262 *4*; α(M)=5.99×10^{-5} *9*; α(N+..)=0.000491 *7* α(N)=1.483×10^{-5} *21*; α(O)=2.68×10^{-6} *4*; α(P)=1.86×10^{-7} *3*; α(IPF)=0.000473 *7* Mult.: α(K)exp=0.0019 *4*. other Eγ: 2106.56 *19* (1966Ny01).
2106.42 *9*	0.13 *1*	3027.39	(2,3)$^-$	920.91852	3$^+$			
[x]2117.67[c] *25*	0.07 *4*							Mult.: α(K)exp=0.017 *10*.
2118.9 *2*	0.084 *10*	2435.37	3$^+$	316.50645	2$^+$			
2120.1 *2*	0.098 *10*	2120.21	(2$^+$)	0.0	0$^+$			
2129.57 *10*	0.45 *4*	2129.52	(1$^-$)	0.0	0$^+$	E1	0.001213 *17*	α=0.001213 *17*; α(K)=0.000492 *7*; α(L)=7.00×10^{-5} *10*; α(M)=1.588×10^{-5} *23*; α(N+..)=0.000635 α(N)=3.92×10^{-6} *6*; α(O)=7.06×10^{-7} *10*; α(P)=4.90×10^{-8} *7*; α(IPF)=0.000630 *9* Mult.: α(K)exp=0.00047 *16*; α(K)exp implies mult=E1, inconsistent with mult(1518γ) which deexcites the same level as this G. Additional information 3. other Iγ: 0.61 *15* (1970Pl09).
[x]2134.0 *6*	0.19 *8*					(M1,E2)	0.0021 *4*	α=0.0021 *4*; α(K)=0.0014 *3*; α(L)=0.00021 *5*; α(M)=4.8×10^{-5} *10*; α(N+..)=0.00043 *9* α(N)=1.19×10^{-5} *25*; α(O)=2.1×10^{-6} *5*; α(P)=1.5×10^{-7} *4*; α(IPF)=0.00041 *8* Mult.: α(K)exp=0.0017 *8*.
2137.0 *3*	0.30 *3*	2453.43	2$^+$	316.50645	2$^+$	M1	0.00246 *4*	α=0.00246 *4*; α(K)=0.001640 *23*; α(L)=0.000252 *4*; α(M)=5.78×10^{-5} *8*; α(N+..)=0.000511 *8* α(N)=1.430×10^{-5} *20*; α(O)=2.58×10^{-6} *4*; α(P)=1.80×10^{-7} *3*; α(IPF)=0.000494 *7* Mult.: α(K)exp=0.0020 *5*. other Iγ: 0.45 *8* (1970Pl09).
[x]2147.2 *8*	0.14 *6*							placement from a 2464 level rejected by 2008Mc04. May be the same As the Eγ=2149.4 *2*, Iγ=0.072 *8* from 2008Mc04.
2149.4 *2*	0.072 *8*	2149.385	1$^+$	0.0	0$^+$	M1	0.00244 *4*	α=0.00244 *4*; α(K)=0.001616 *23*; α(L)=0.000249 *4*; α(M)=5.70×10^{-5} *8*; α(N+..)=0.000519 *8*

$^{192}_{78}$Pt$_{114}$-30

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01 (continued)

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
								α(N)=1.410×10^{-5} *20*; α(O)=2.55×10^{-6} *4*; α(P)=1.770×10^{-7} *25*; α(IPF)=0.000502 *7* Mult.: α(K)exp=0.0035 *11*. other Iγ: 0.21 *5* (1970Pl09) for Eγ=2151.7 *9*.
2155.74 *10*	0.23 *3*	2472.27	2$^+$	316.50645	2$^+$	M1	0.00243 *4*	α=0.00243 *4*; α(K)=0.001605 *23*; α(L)=0.000247 *4*; α(M)=5.66×10^{-5} *8*; α(N+..)=0.000523 *8* α(N)=1.399×10^{-5} *20*; α(O)=2.53×10^{-6} *4*; α(P)=1.757×10^{-7} *25*; α(IPF)=0.000506 *7* Mult.: α(K)exp=0.0025 *6*.
2167.15 *11*	0.23 *2*	2483.64	≤3	316.50645	2$^+$			placement from a 2952 level rejected by 2008Mc04.
2169.6 *2*	0.20 *3*	2486.29	(2)$^-$	316.50645	2$^+$			
2171.5 *3*	1.2 *2*	2171.37	2$^+$	0.0	0$^+$	[E2]	0.001628 *23*	α=0.001628 *23*; α(K)=0.001067 *15*; α(L)=0.0001627 *23*; α(M)=3.73×10^{-5} *6*; α(N+..)=0.000361 α(N)=9.20×10^{-6} *13*; α(O)=1.652×10^{-6} *24*; α(P)=1.110×10^{-7} *16*; α(IPF)=0.000350 *5* Mult.: α(K)exp=0.0019 *7* for 2171.5γ+2169.6γ doublet.
x2173.4& *5*								
x2176.1a	0.17 *9*							
2181.8 *3*	0.036 *5*	2794.26	(≤2)	612.46318	2$^+$			
x2192.7& *7*								
x2199.8& *8*								placement from a 2201 level rejected by 2008Mc04.
x2206.6a	0.09 *4*							
2216.05 *15*	0.70 *4*	2532.46	1$^+$	316.50645	2$^+$	M1	0.00234 *4*	α=0.00234 *4*; α(K)=0.001499 *21*; α(L)=0.000230 *4*; α(M)=5.28×10^{-5} *8*; α(N+..)=0.000562 *8* α(N)=1.306×10^{-5} *19*; α(O)=2.36×10^{-6} *4*; α(P)=1.641×10^{-7} *23*; α(IPF)=0.000546 *8* Mult.: α(K)exp=0.0019 *3*.
2220.41 *10*	0.12 *1*	2832.89	(1,2)$^+$	612.46318	2$^+$	M1	0.00234 *4*	α=0.00234 *4*; α(K)=0.001492 *21*; α(L)=0.000229 *4*; α(M)=5.26×10^{-5} *8*; α(N+..)=0.000565 *8* α(N)=1.300×10^{-5} *19*; α(O)=2.35×10^{-6} *4*; α(P)=1.633×10^{-7} *23*; α(IPF)=0.000549 *8* Mult.: α(K)exp=0.0027 *7*.
2234.84 *7*	0.53 *3*	3155.74	(2,3)$^-$	920.91852	3$^+$			placement from 2835 level rejected by 2008Mc04. other Iγ: 1.3 *5* (1970Pl09).
2237.3 *2*	8.0 *5*	2237.52	(2)$^+$	0.0	0$^+$			Mult.: α(K)exp=0.00148 *26* for doublet, assuming 1966Ny01 failed to resolve the 2234.8γ. this exceeds α(K)(E2). other Eγ: 2236.89 *20* (1966Ny01). other Iγ: 9.6 *10* (1970Pl09).
2243.5 *2*	0.23 *4*	2560.15	(1$^+$,2)	316.50645	2$^+$			
2243.74 *20*	0.076 *8*	2856.13	(2)$^-$	612.46318	2$^+$			Mult.: α(K)exp=0.00069 *17* for multiplet. other Iγ: 0.80 *22* for poorly resolved 2243.3γ+2246.6γ, each with Iγ=0.40 *15* in 1970Pl09.
2246.55 *15*	0.24 *4*	2562.96	(2)$^+$	316.50645	2$^+$			

$^{192}_{78}Pt_{114}$-31

γ(^{192}Pt) (continued)

E_γ ‡	I_γ #g	E_i(level)	J_i^π	E_f	J_f^π	Mult. @	α †	Comments
2257[a]	0.06	2257.26	(2)$^-$	0.0	0$^+$			
x2260[a]	0.06							
x2262.1[&] 6								
2268.7 2	0.043 5	3189.52	(2,3$^-$)	920.91852	3$^+$			Mult.: α(K)exp=0.0031 7 for doublet.
2268.8 3	0.057 9	2585.23	(2)$^+$	316.50645	2$^+$			Mult.: α(K)exp=0.0031 7 for doublet. other Iγ: 0.21 6 (1970Pl09).
x2271.9[a]	0.08 4							
x2275.2[a]	0.05 4							
2278.4 2	0.066 8	2890.93	(2)$^-$	612.46318	2$^+$			Mult.: α(K)exp=0.0028 8; implies M1, but this is inconsistent with placement of 997γ and 2575γ from same level As this G. other Iγ: 0.15 7 (1970Pl09).
x2284.0 8	0.13 5							
2286.43 7	0.14 2	2602.97	(2)$^+$	316.50645	2$^+$	M1	0.00226 4	α=0.00226 4; α(K)=0.001388 20; α(L)=0.000213 3; α(M)=4.89×10^{-5} 7; α(N+..)=0.000607 9 α(N)=1.208×10^{-5} 17; α(O)=2.18×10^{-6} 3; α(P)=1.519×10^{-7} 22; α(IPF)=0.000593 9 Mult.: α(K)exp=0.0018 5.
2297.8 2	0.33 1	2614.29	(2$^+$)	316.50645	2$^+$	M1	0.00224 4	α=0.00224 4; α(K)=0.001371 20; α(L)=0.000211 3; α(M)=4.83×10^{-5} 7; α(N+..)=0.000615 9 α(N)=1.193×10^{-5} 17; α(O)=2.16×10^{-6} 3; α(P)=1.500×10^{-7} 21; α(IPF)=0.000601 9 Mult.: α(K)exp=0.0020 6. other Eγ: 2296.5 8 (1970Pl09). placement from a 2909 level rejected by 2008Mc04.
2312.8 3	0.64 3	2629.24	2$^+$	316.50645	2$^+$	M1,E2	0.0019 4	α=0.0019 4; α(K)=0.00115 20; α(L)=0.00018 4; α(M)=4.0×10^{-5} 8; α(N+..)=0.00053 10 α(N)=9.9×10^{-6} 18; α(O)=1.8×10^{-6} 4; α(P)=1.23×10^{-7} 25; α(IPF)=0.00051 10 Mult.: α(K)exp=0.0014 3.
2318.67 11	0.16 2	2635.23	1$^+$	316.50645	2$^+$			
2319.35 25	2.1 2	2319.11	1$^+$	0.0	0$^+$	M1	0.00222 4	α=0.00222 4; α(K)=0.001340 19; α(L)=0.000206 3; α(M)=4.71×10^{-5} 7; α(N+..)=0.000629 9 α(N)=1.166×10^{-5} 17; α(O)=2.11×10^{-6} 3; α(P)=1.466×10^{-7} 21; α(IPF)=0.000615 9 Mult.: α(K)exp=0.0018 3; exceeds α(K)(M1). Eγ: from 1966Ny01.
2335.5 2	2.5 3	2335.465	1$^+$	0.0	0$^+$	M1	0.00221 3	α=0.00221 3; α(K)=0.001317 19; α(L)=0.000202 3; α(M)=4.63×10^{-5} 7; α(N+..)=0.000639 9 α(N)=1.146×10^{-5} 16; α(O)=2.07×10^{-6} 3; α(P)=1.441×10^{-7} 21; α(IPF)=0.000625 9 Mult.: α(K)exp=0.0014 3.
2341.94 9	0.14 1	2658.46	(1,2)$^+$	316.50645	2$^+$			
2346.4 2	0.18 2	2958.75	(2,3)$^-$	612.46318	2$^+$			

$^{192}_{78}$Pt$_{114}$-32

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	Comments
[x]2359.4[a]	0.08 *5*							placement from a 2676 level rejected by 2008Mc04.
2375.71[&] *25*		2375.392	(1,2)$^+$	0.0	0$^+$			observed only In ce spectrum.
[x]2378.2[a]	0.11 *6*							
2399.74[&h] *25*		2399.270	(1,2)$^+$	0.0	0$^+$			placement not confirmed by 2008Mc04; γ May be highly converted.
2408.4 *2*	0.18 *3*	2408.34	(2)$^+$	0.0	0$^+$	(E2)	0.001520 *22*	α=0.001520 *22*; α(K)=0.000886 *13*; α(L)=0.0001337 *19*; α(M)=3.06×10^{-5} *5*; α(N+..)=0.000469 α(N)=7.54×10^{-6} *11*; α(O)=1.357×10^{-6} *19*; α(P)=9.20×10^{-8} *13*; α(IPF)=0.000460 *7* Mult.: α(K)exp=0.0008 *3*; probably E2, but E1 and M1 cannot be ruled out. other Iγ: 0.27 *7* (1970Pl09).
2414.4 *2*	0.15 *2*	2730.73	(2)$^-$	316.50645	2$^+$			other Iγ: 0.41 *9* (1970Pl09).
2415.1 *3*	0.14 *1*	3027.39	(2,3)$^-$	612.46318	2$^+$			other Eγ (Iγ): 2414.2 *5* (0.41 *9*) for doublet (1970Pl09).
2422.9 *3*	1.8 *2*	2422.78	(1,2)$^+$	0.0	0$^+$	M1,E2	0.0018 *3*	α=0.0018 *3*; α(K)=0.00104 *17*; α(L)=0.00016 *3*; α(M)=3.6×10^{-5} *6*; α(N+..)=0.00059 *11* α(N)=9.0×10^{-6} *15*; α(O)=1.6×10^{-6} *3*; α(P)=1.11×10^{-7} *21*; α(IPF)=0.00057 *11* Mult.: α(K)exp=0.00112 *23*. Consistent with M1 and/or E2 for γ to 0$^+$.
[x]2431.7 *7*	0.08 *3*							
[x]2440.7 *7*	0.16 *5*							placement from a 2757 level rejected by 2008Mc04.
[x]2446.2 *9*	0.04 *2*							
[x]2453.2 *4*	0.12 *3*							placement from 2453 level rejected by 2008Mc04.
2458.75 *15*	0.11 *1*	2775.21		316.50645	2$^+$			
[x]2464.0 *9*	0.09 *3*							placements from 2464 and 2781 levels rejected by 2008Mc04.
[x]2467.5 *9*	0.04 *2*							
[x]2483.6 *8*	0.07 *3*							
2486.4 *3*	0.088 *10*	2486.29	(2)$^-$	0.0	0$^+$			other Eγ: 2487.6 *8* (1970Pl09).
[x]2497.8 *9*	0.05 *2*							
[x]2503.3 *7*	0.08 *3*							
[x]2508.6 *7*	0.10 *3*							
[x]2511.9[a]	0.10 *5*							
2516.4 *3*	0.32 *2*	2832.89	(1,2)$^+$	316.50645	2$^+$			Mult.: α(K)exp=0.0014 *3* for doublet.
2518.0 *3*	0.28 *5*	2834.60	(2$^+$)	316.50645	2$^+$			Mult.: α(K)exp=0.0014 *3* for doublet. other Iγ: 0.75 *20* (1970Pl09).
2532.8 *5*	0.18 *3*	2532.46	1$^+$	0.0	0$^+$	M1	0.00205 *3*	α=0.00205 *3*; α(K)=0.001080 *16*; α(L)=0.0001654 *24*; α(M)=3.79×10^{-5} *6*; α(N+..)=0.000764 *1* α(N)=9.37×10^{-6} *14*; α(O)=1.693×10^{-6} *24*; α(P)=1.180×10^{-7} *17*; α(IPF)=0.000753 *11* other Iγ: 0.35 *10* for broad peak (1970Pl09). Mult.: α(K)exp=0.0017 *4* (mult=(E2,M1)).
2541.0 *10*	0.39 *2*	2857.07	(2$^-$)	316.50645	2$^+$	E1	0.001336 *19*	placement from a 3146 level rejected by 2008Mc04. α=0.001336 *19*; α(K)=0.000371 *6*; α(L)=5.26×10^{-5} *8*; α(M)=1.192×10^{-5} *17*; α(N+..)=0.000900 *1*

$^{192}_{78}Pt_{114}$-33

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	J_i^π	E_f	J_f^π	Mult.[@]	α[†]	Comments
								α(N)=2.94×10^{-6} *5*; α(O)=5.30×10^{-7} *8*; α(P)=3.70×10^{-8} *6*; α(IPF)=0.000897 *13* Mult.: α(K)exp=0.00058 *13*.
2543.1 *2*	0.30 *8*	3155.74	(2,3)$^-$	612.46318	2$^+$	E1	0.001337 *19*	α=0.001337 *19*; α(K)=0.000371 *6*; α(L)=5.25×10^{-5} *8*; α(M)=1.190×10^{-5} *17*; α(N+..)=0.000902 *1* α(N)=2.94×10^{-6} *5*; α(O)=5.29×10^{-7} *8*; α(P)=3.69×10^{-8} *6*; α(IPF)=0.000898 *13* Mult.: α(K)exp=0.00048 *17*.
[x]2551.1 *12*	0.09 *4*							
[x]2560.4 *8*	0.05 *2*							Mult.: α(K)exp=0.0015 *8*.
2574.8 *4*	0.38 *6*	2890.93	(2)$^-$	316.50645	2$^+$	E1	0.001348 *19*	α=0.001348 *19*; α(K)=0.000364 *5*; α(L)=5.15×10^{-5} *8*; α(M)=1.167×10^{-5} *17*; α(N+..)=0.000921 *1* α(N)=2.88×10^{-6} *4*; α(O)=5.19×10^{-7} *8*; α(P)=3.62×10^{-8} *5*; α(IPF)=0.000917 *13* Mult.: α(K)exp=0.00042 *11*; mult=(E1), inconsistent with placement.
2585.3 *2*	0.065 *9*	2585.23	(2)$^+$	0.0	0$^+$			
[x]2592.4 *11*	0.08 *5*							placement from a 2909 level rejected by 2008Mc04.
[x]2599.0[a]	0.05 *3*							
2602.8 *3*	0.085 *10*	2602.97	(2)$^+$	0.0	0$^+$			other Iγ: 0.15 *5* (1970Pl09). Mult.: α(K)exp=0.0006 *3*.
[x]2610.3 *8*	0.24 *10*							
2614.3 *2*	0.75 *10*	2614.29	(2$^+$)	0.0	0$^+$	E2	0.001468 *21*	α=0.001468 *21*; α(K)=0.000765 *11*; α(L)=0.0001145 *16*; α(M)=2.62×10^{-5} *4*; α(N+..)=0.000563 α(N)=6.46×10^{-6} *9*; α(O)=1.162×10^{-6} *17*; α(P)=7.94×10^{-8} *12*; α(IPF)=0.000555 *8* Mult.: α(K)exp=0.00058 *14*.
[x]2624.5 *6*	0.15 *5*							Mult.: α(K)exp=0.0006 *3*.
2629.4 *4*	0.40 *10*	2629.24	2$^+$	0.0	0$^+$			Mult.: α(K)exp=0.0017 *4* for doublet.
2630.4 *2*	0.26 *4*	2947.001	(2$^-$)	316.50645	2$^+$			Mult.: α(K)exp=0.0017 *4* for doublet.
2634.0 *3*	0.12 *3*	2950.43	(1,2$^+$)	316.50645	2$^+$			
2635.1 *3*	0.71 *12*	2635.23	1$^+$	0.0	0$^+$	M1	0.00199 *3*	α=0.00199 *3*; α(K)=0.000980 *14*; α(L)=0.0001499 *21*; α(M)=3.43×10^{-5} *5*; α(N+..)=0.000827 *1* α(N)=8.49×10^{-6} *12*; α(O)=1.534×10^{-6} *22*; α(P)=1.070×10^{-7} *15*; α(IPF)=0.000817 *12* other Iγ: 1.01 *15* (1970Pl09). Mult.: α(K)exp=0.0014 *3*. placement from a 2952 level rejected by 2008Mc04.
[x]2640.7[a]	0.065 *30*							
[x]2646.6 *11*	0.075 *30*							
2658.4 *3*	0.077 *9*	2658.46	(1,2)$^+$	0.0	0$^+$	M1,E2	0.0017 *3*	α=0.0017 *3*; α(K)=0.00085 *11*; α(L)=0.000129 *18*; α(M)=2.9×10^{-5} *5*; α(N+..)=0.00071 *13* α(N)=7.3×10^{-6} *11*; α(O)=1.31×10^{-6} *19*; α(P)=9.1×10^{-8} *14*; α(IPF)=0.00070 *13* Mult.: α(K)exp=0.0016 *7*. other Iγ: 0.17 *5* (1970Pl09) for broad line.

$^{192}_{78}Pt_{114}$-34

γ(^{192}Pt) (continued)

E_γ[‡]	I_γ[#g]	E_i(level)	Mult.[@]	α[†]	Comments
[x]2665.7[d] 15	0.12[d] 5				
[x]2675.4[&] 6					placement from a 2676 level rejected by 2008Mc04.
[x]2692.4 20	0.12 5				
[x]2709.6 10	0.13 4				
[x]2718.4 5	0.54 10				
[x]2746.8 6	0.13 4				Mult.: α(K)exp=0.00065 25; mult=(E1,E2). placement from a 3360 level rejected by 2008Mc04.
[x]2758.0 20	0.055 30				placement from a 2757 level rejected by 2008Mc04.
[x]2780.6 8	0.09 4				placement from a 2781 level rejected by 2008Mc04.
[x]2795.0 5	0.18 6				
[x]2829.7 5	0.24 5		(E1)	0.001433 20	α=0.001433 20; α(K)=0.000314 5; α(L)=4.43×10^{-5} 7; α(M)=1.004×10^{-5} 14; α(N+..)=0.001065 1 α(N)=2.48×10^{-6} 4; α(O)=4.47×10^{-7} 7; α(P)=3.13×10^{-8} 5; α(IPF)=0.001062 15 Mult.: α(K)exp=0.00033 11. placement from a 3146 level rejected by 2008Mc04.
[x]2839.5 4	0.98 20		(E1)	0.001436 21	α=0.001436 21; α(K)=0.000312 5; α(L)=4.41×10^{-5} 7; α(M)=9.98×10^{-6} 14; α(N+..)=0.001070 15 α(N)=2.46×10^{-6} 4; α(O)=4.44×10^{-7} 7; α(P)=3.11×10^{-8} 5; α(IPF)=0.001067 15 Mult.: α(K)exp=0.00030 8. placement from 3156 level rejected by 2008Mc04.
[x]2870.1 9	0.11 3				
[x]2872.6 9	0.11 3				
[x]2878.4 9	0.025 10				
[x]2889.0 9	0.042 15				placement from 2891 level rejected by 2008Mc04.
[x]2903.0 10	0.055 20				
[x]2908.7 20	0.034 15				placement from a 2909 level rejected by 2008Mc04.
[x]2926.3 20	0.030 15				
[x]2950.8 8	0.15 3				placement from a 2952 level rejected by 2008Mc04.
[x]2964.8 20	0.052 25				
[x]2969.2 20	0.026 15				
[x]2985.0 20	0.031 15				
[x]2998.8 20	0.11 3				
[x]3012.2 20	0.06 2				
[x]3022.0 20	0.06 2				
[x]3043.7 7	0.12 3				Mult.: α(K)exp=0.0008 3. placement from a 3360 level rejected by 2008Mc04.
[x]3064[d] 2	0.030[d] 15				
[x]3127 2	0.049 20				
[x]3145.4 10	0.25 6		E1	0.001552 22	α=0.001552 22; α(K)=0.000267 4; α(L)=3.75×10^{-5} 6; α(M)=8.50×10^{-6} 12; α(N+..)=0.001239 18 α(N)=2.10×10^{-6} 3; α(O)=3.79×10^{-7} 6; α(P)=2.66×10^{-8} 4; α(IPF)=0.001237 18 Mult.: α(K)exp=0.00015 8. placement from a 3146 level rejected by 2008Mc04.
[x]3158 2	0.025 15				placement from 3156 level rejected by 2008Mc04.

$^{192}_{78}Pt_{114}$-35

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

† Additional information 4.
‡ From 2008Mc04, except As noted; data from 1966Ny01, 1970Pl09 and 1972Fi12 are typically In good agreement but less precise.
# From 2008Mc04, except where noted; values are relative to Iγ=100 *1* for 316.5γ.
@ From α(K)exp, except where noted.
& From 1966Ny01 (seen in ce spectrum only).
a Uncertainty>1 keV because of resolution problems.
b From Adopted Gammas.
c From 1966Ny01.
d From 1970Pl09; peak is very broad.
e From intense ce line (assumed to be K line) and absence of corresponding photon peak.
f γ is not observed by 2008Mc04; only an intensity limit is given and γ is not included in Adopted Levels, Gammas.
g For absolute intensity per 100 decays, multiply by 0.59 *7*.
h Placement of transition in the level scheme is uncertain.
x γ ray not placed in level scheme.

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme

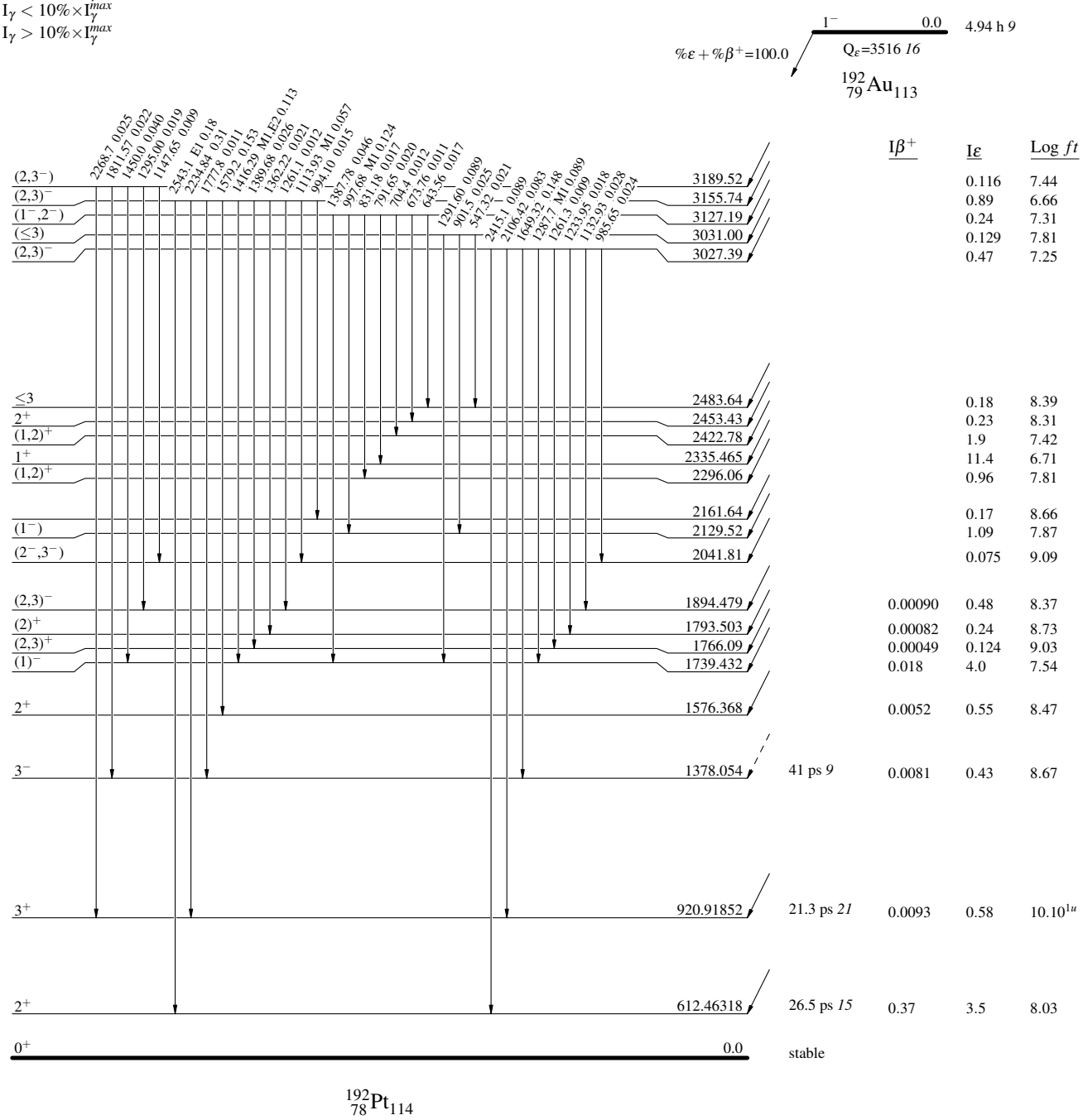
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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

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

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



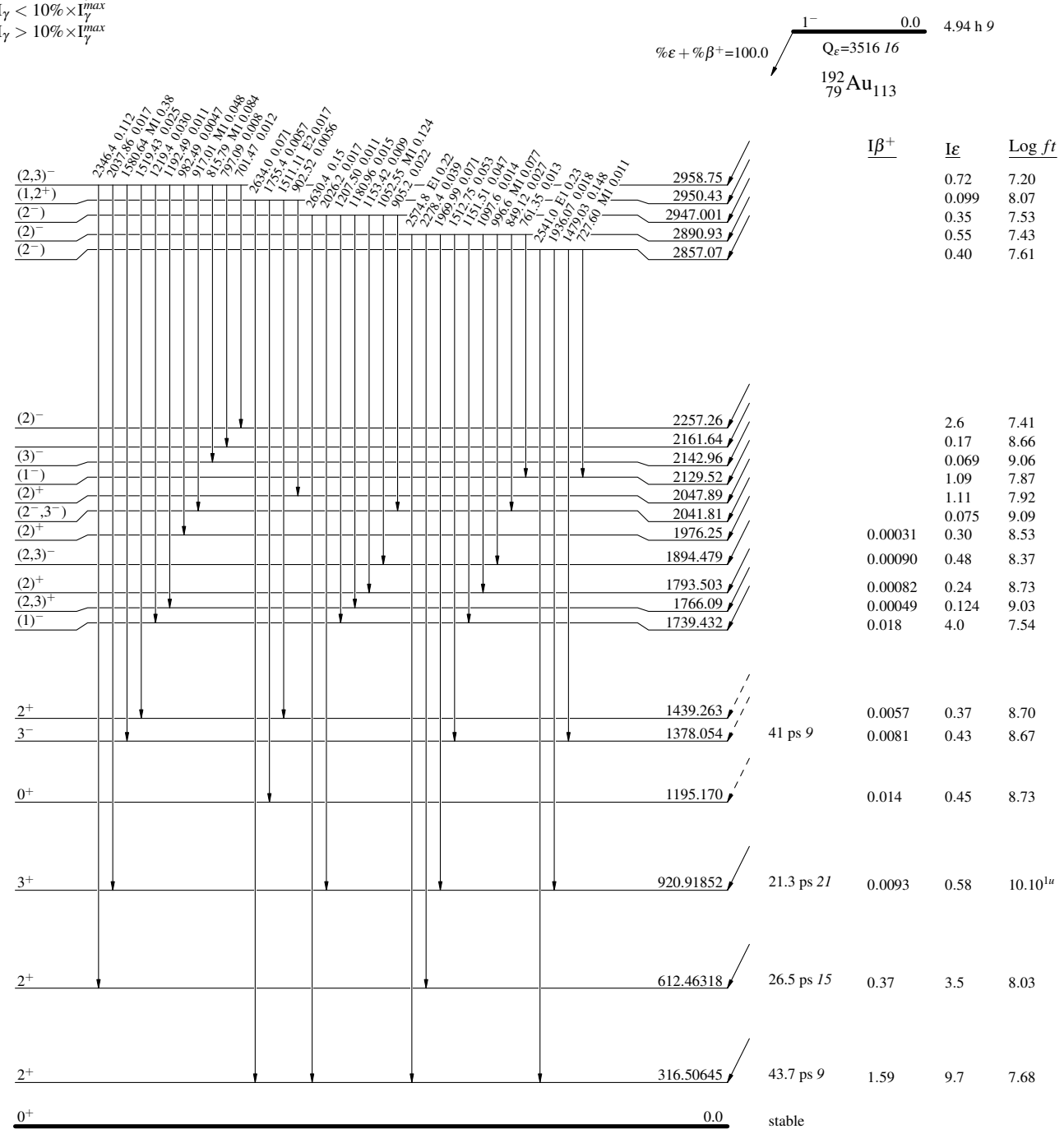
^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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

Legend

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



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

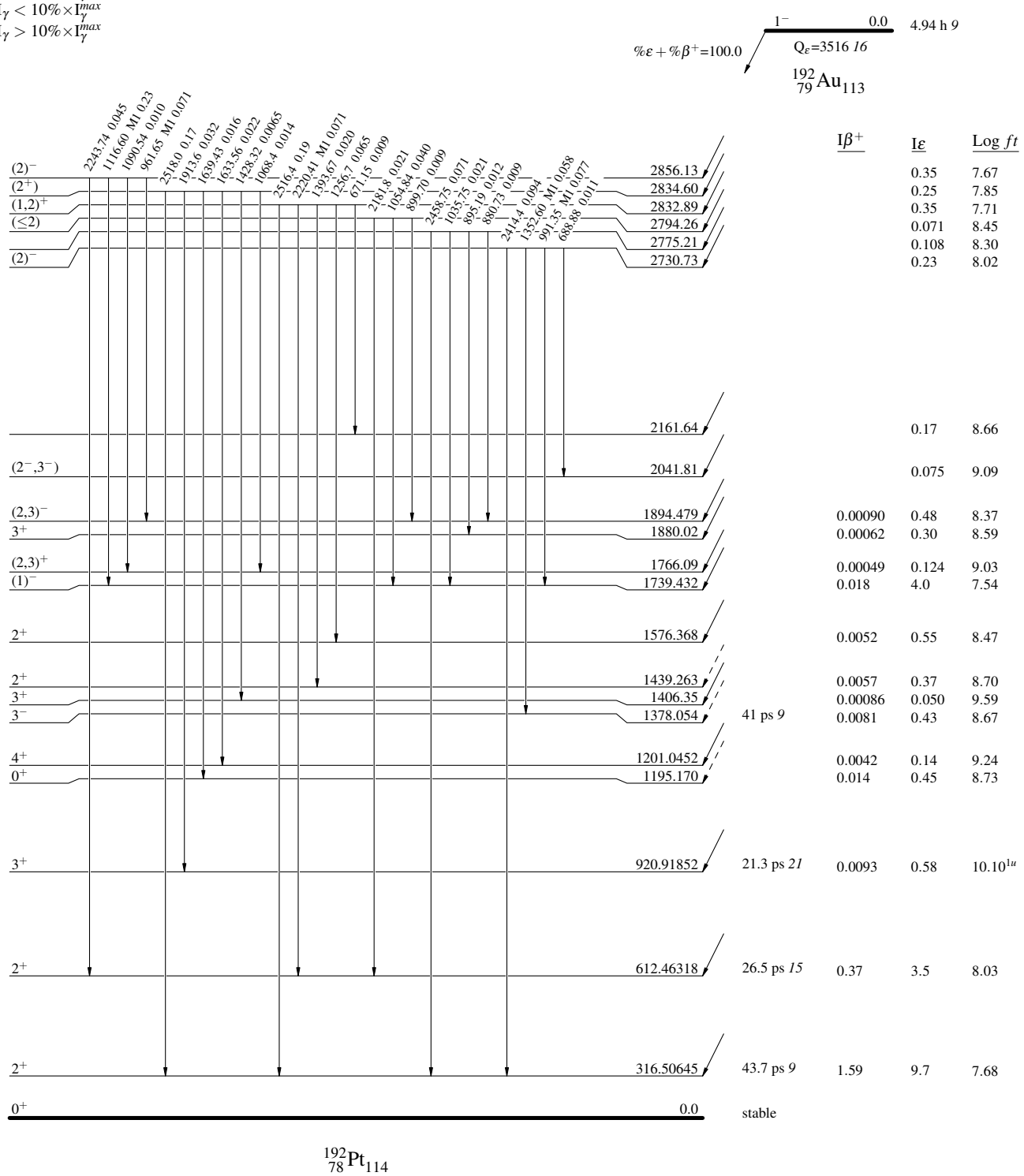
^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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

Legend

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

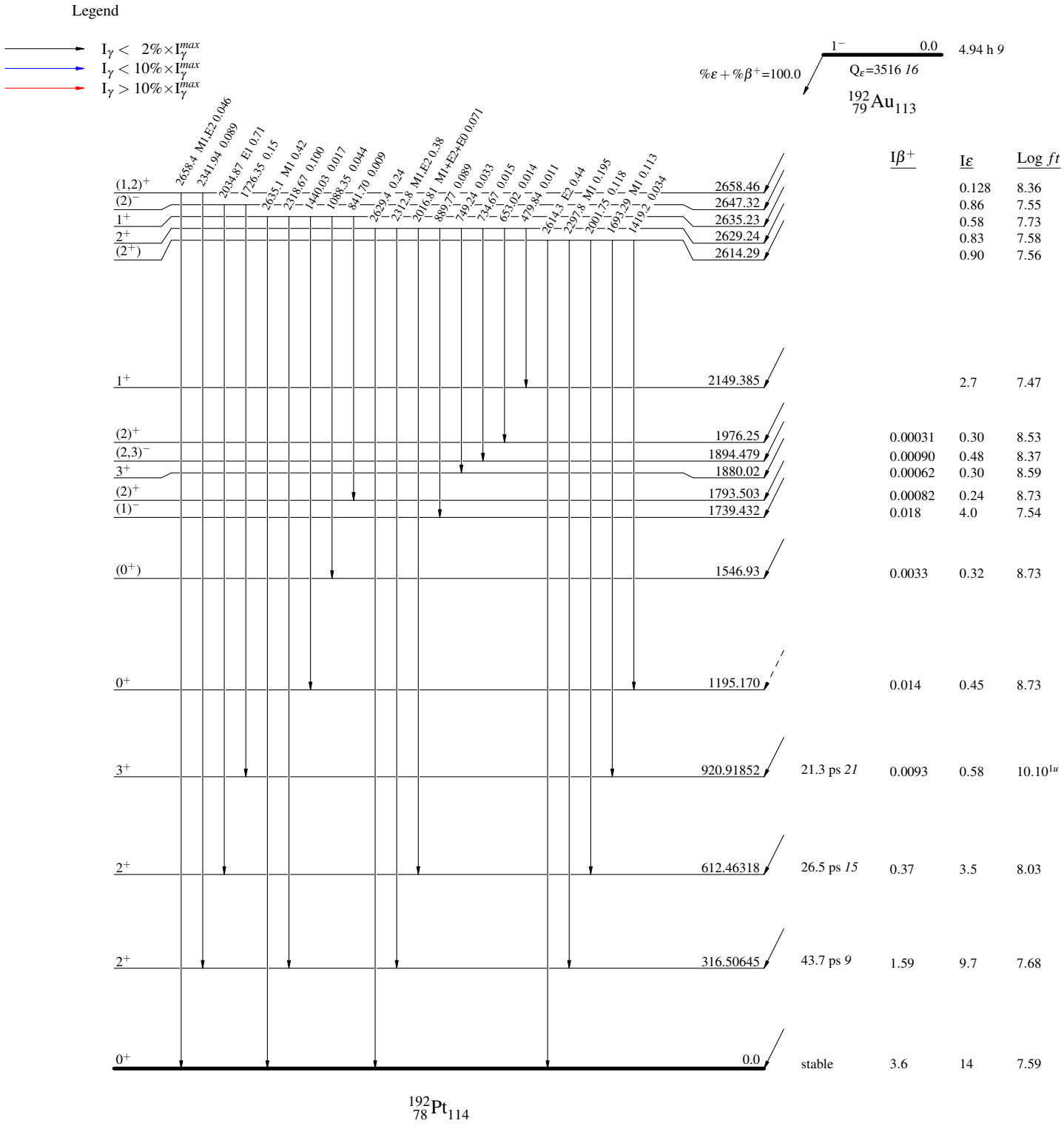


$^{192}_{78}Pt_{114}$

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

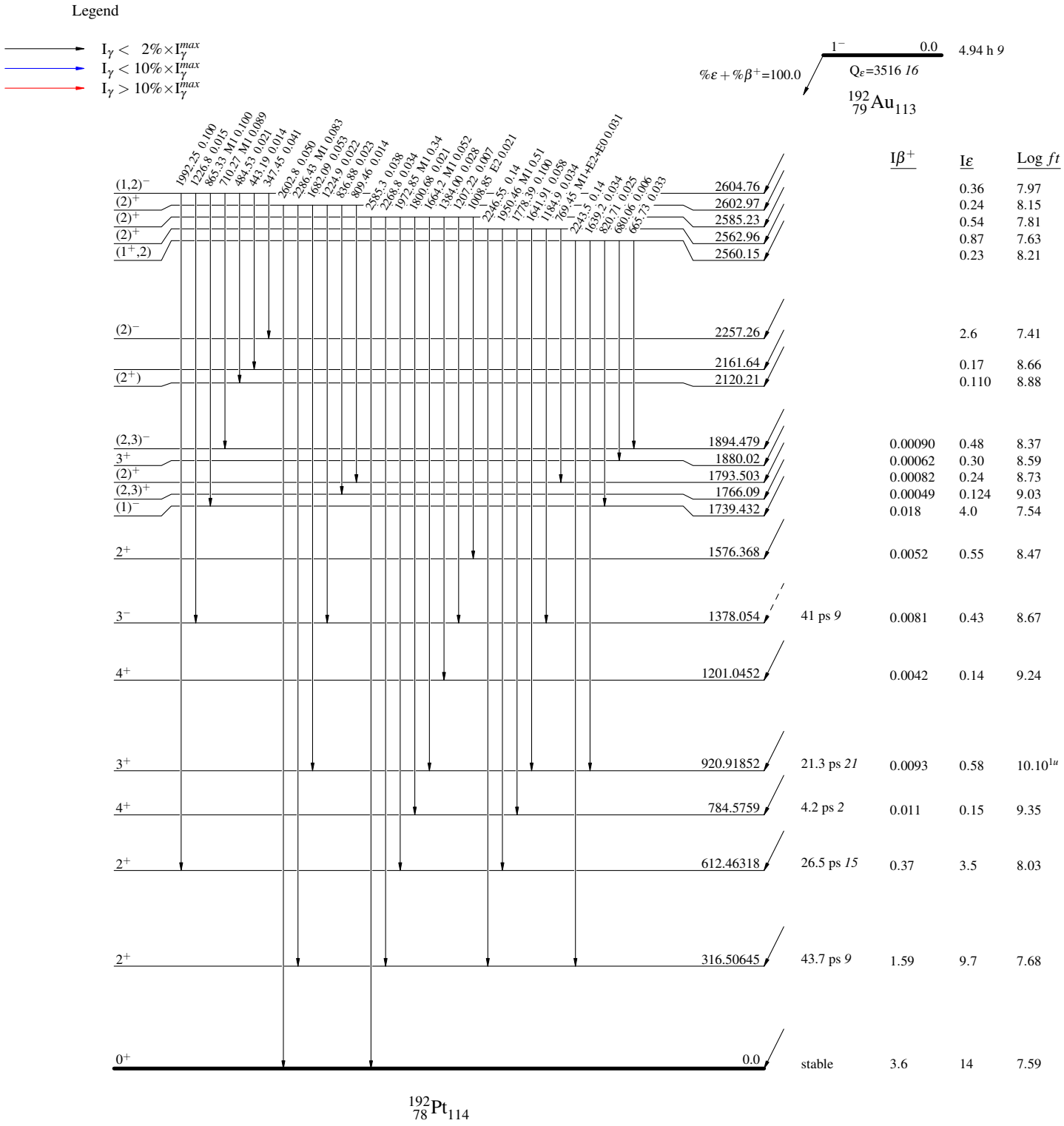
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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



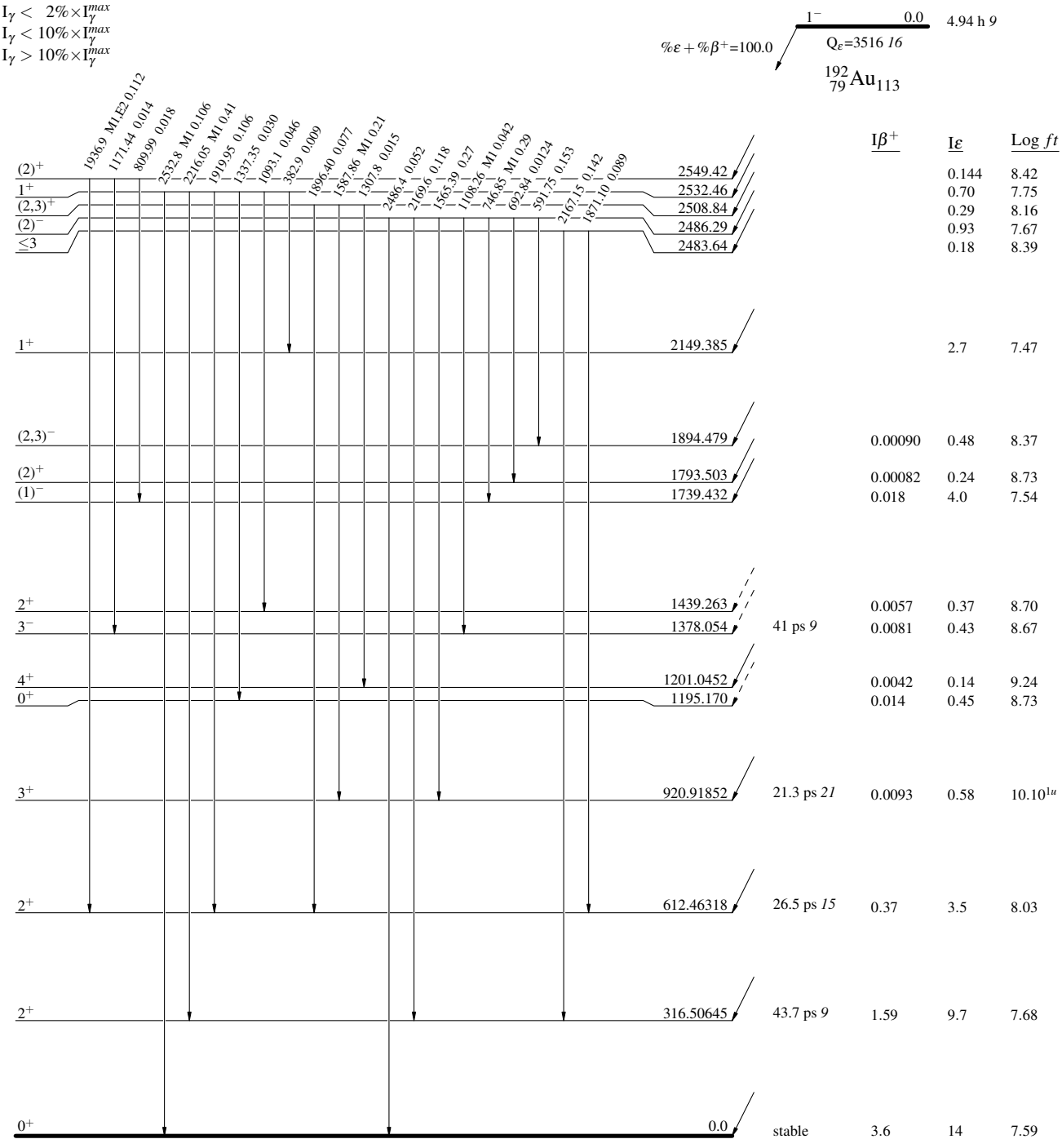
^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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

Legend

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



^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

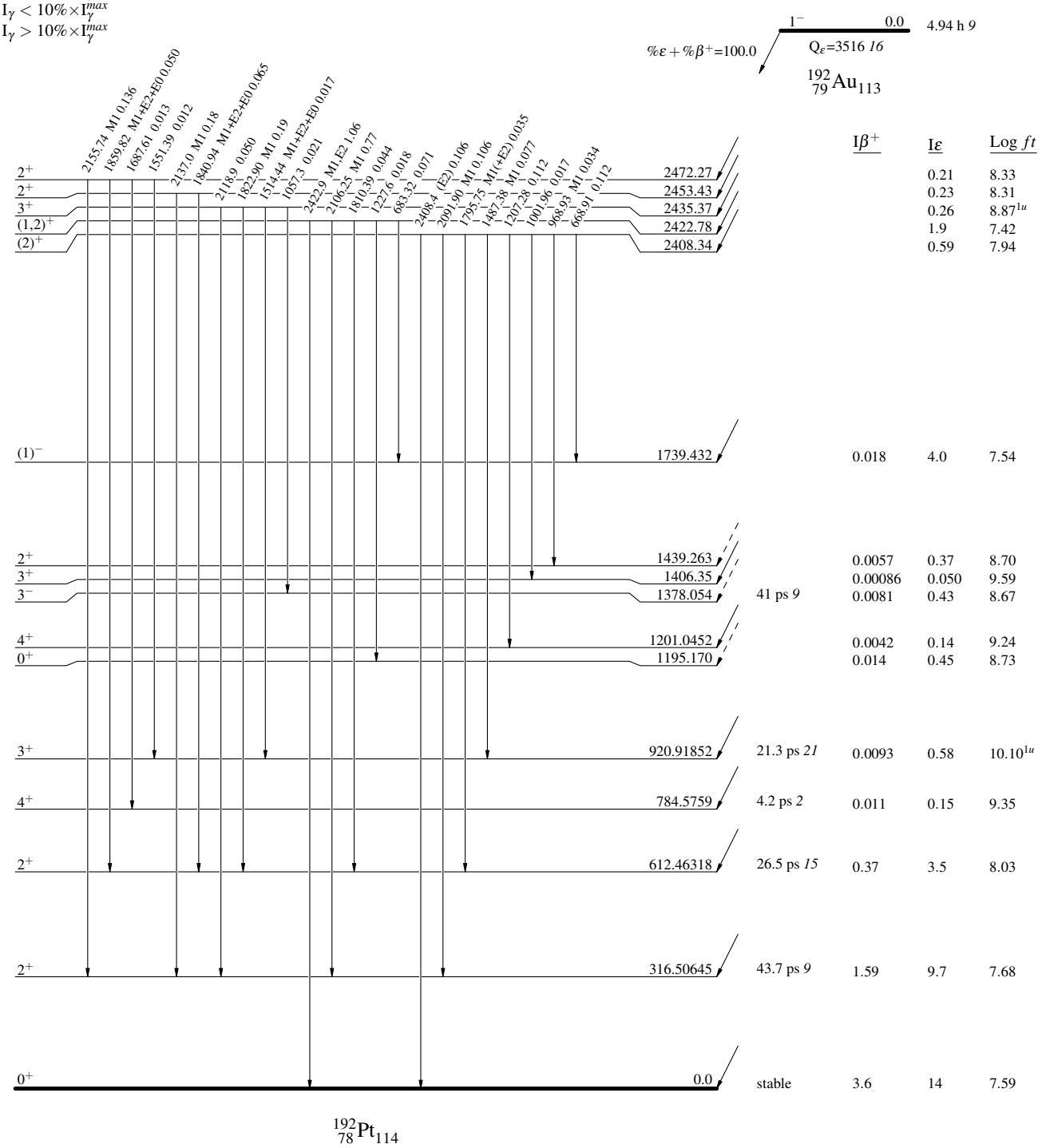
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

Legend

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

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

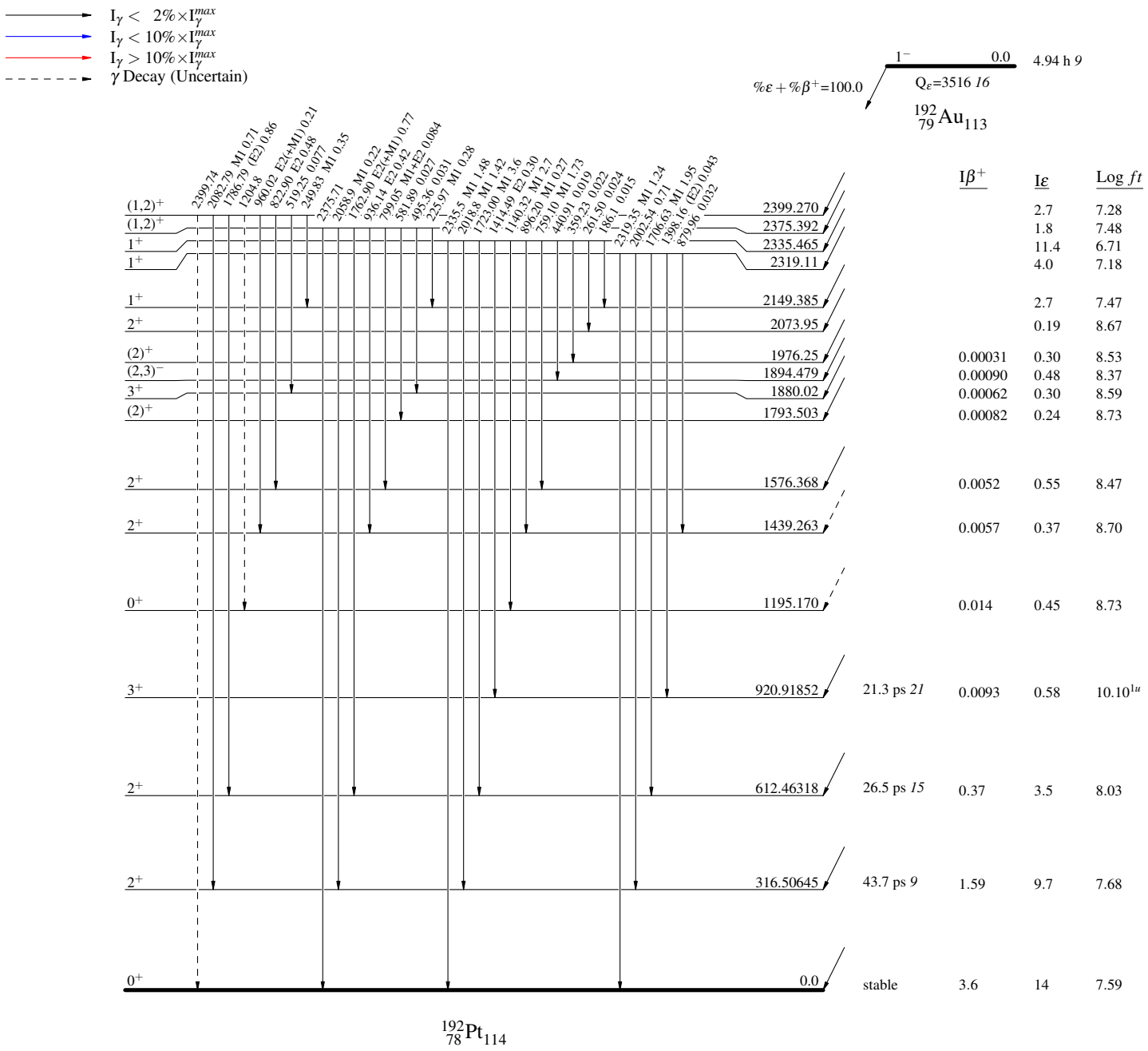
$I_\gamma > 10\% \times I_\gamma^{max}$



^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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



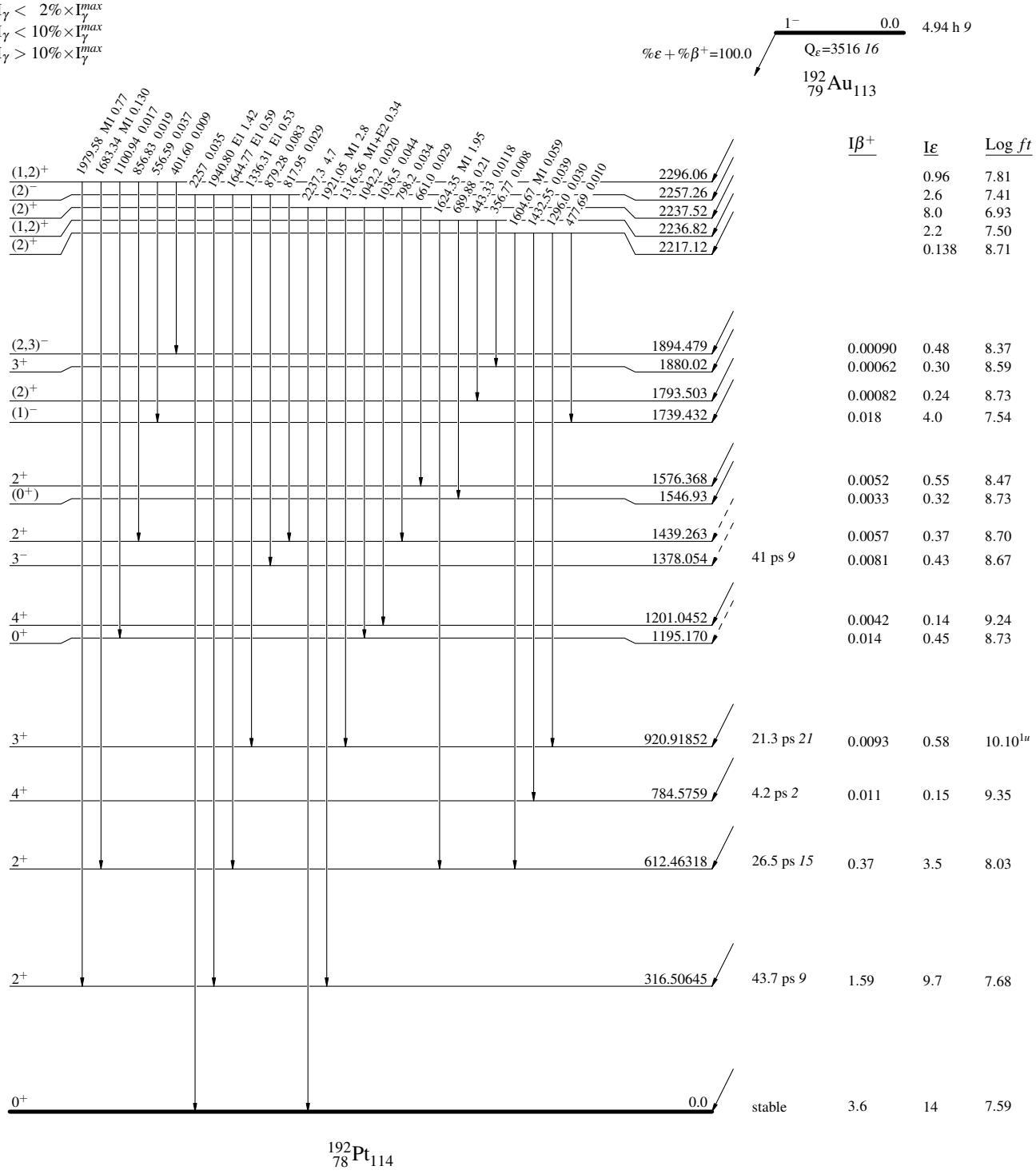
^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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

Legend

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

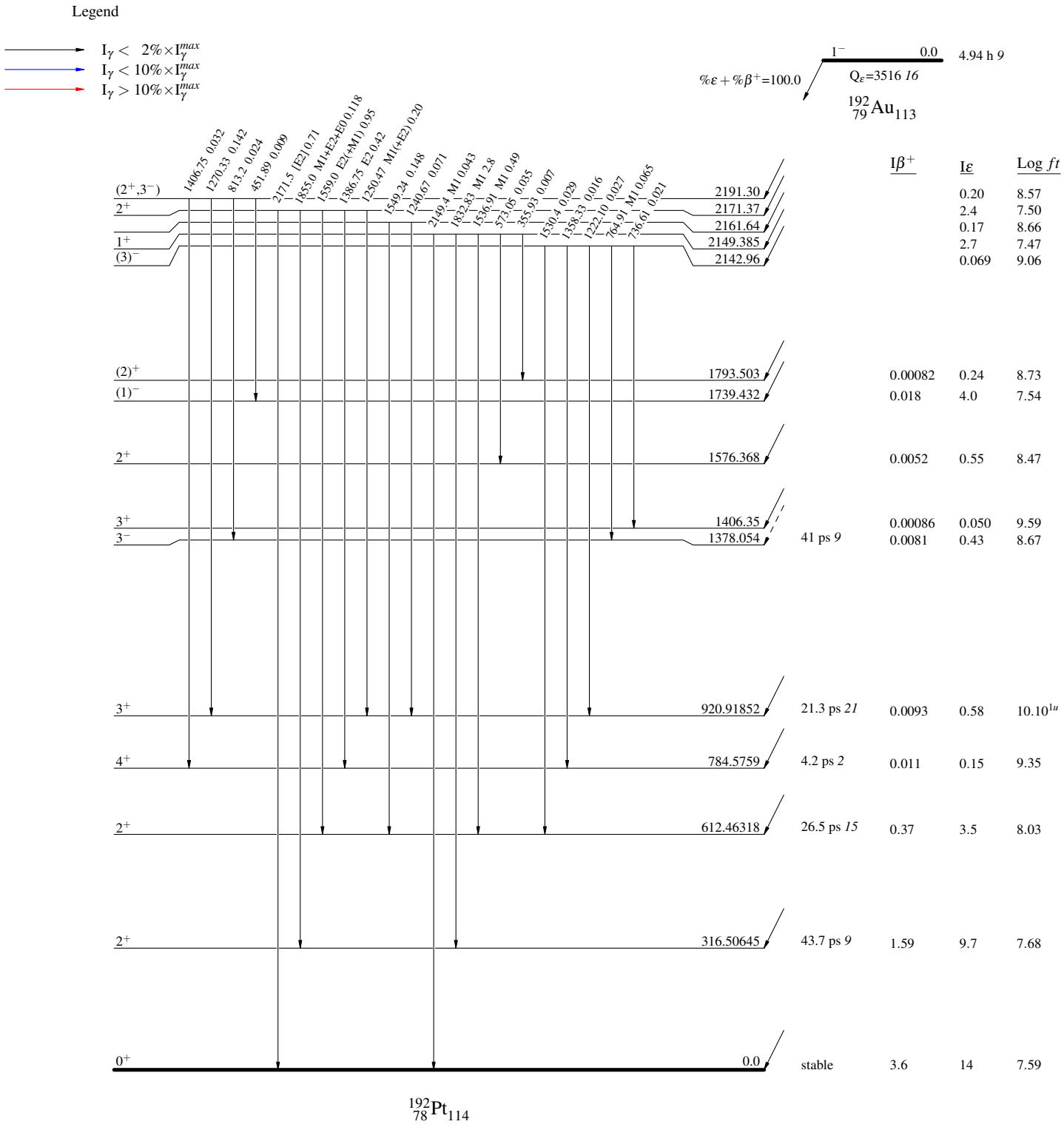


	Iβ+	Iε	Log *ft*
		0.96	7.81
		2.6	7.41
		8.0	6.93
		2.2	7.50
		0.138	8.71
	0.00090	0.48	8.37
	0.00062	0.30	8.59
	0.00082	0.24	8.73
	0.018	4.0	7.54
	0.0052	0.55	8.47
	0.0033	0.32	8.73
	0.0057	0.37	8.70
	0.0081	0.43	8.67
	0.0042	0.14	9.24
	0.014	0.45	8.73
	0.0093	0.58	10.10^{1u}
	0.011	0.15	9.35
	0.37	3.5	8.03
	1.59	9.7	7.68
	3.6	14	7.59

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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



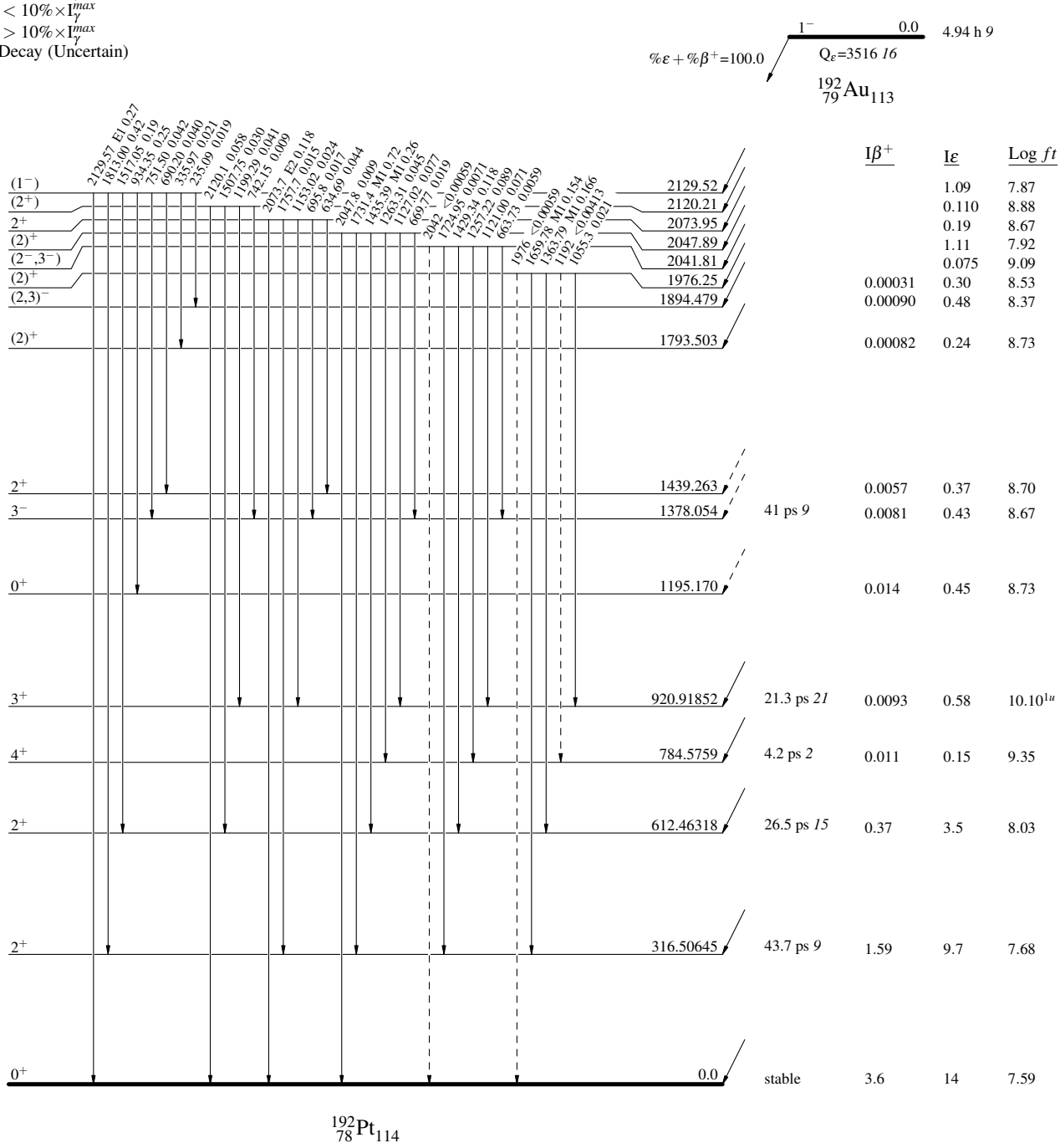
^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

Legend

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

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

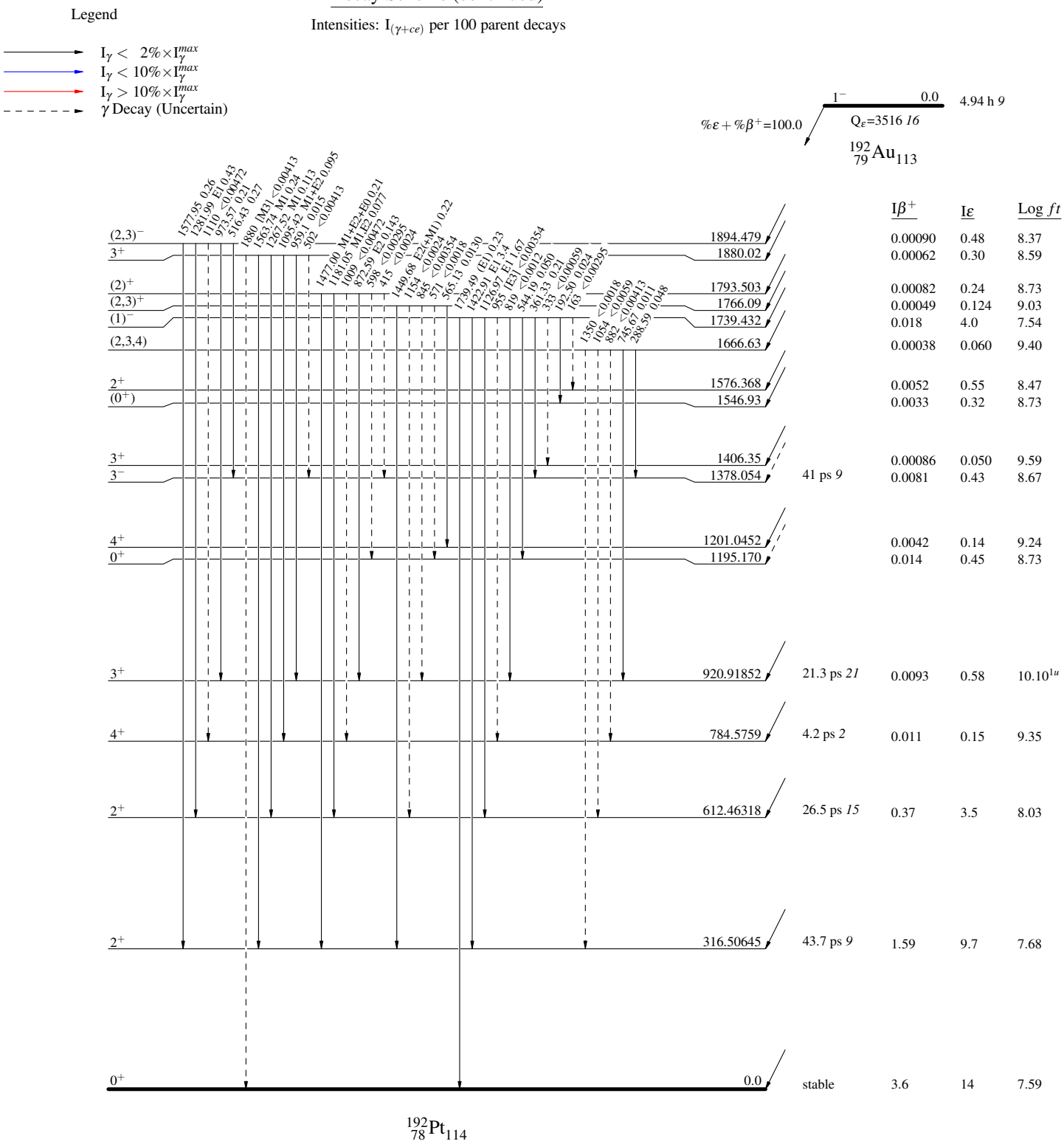


	Iβ⁺	Iε	Log *ft*
2129.52		1.09	7.87
2120.21		0.110	8.88
2073.95		0.19	8.67
2047.89		1.11	7.92
2041.81		0.075	9.09
1976.25	0.00031	0.30	8.53
1894.479	0.00090	0.48	8.37
1793.503	0.00082	0.24	8.73
1439.263	0.0057	0.37	8.70
1378.054	0.0081	0.43	8.67
1195.170	0.014	0.45	8.73
920.91852	0.0093	0.58	10.10^{1u}
784.5759	0.011	0.15	9.35
612.46318	0.37	3.5	8.03
316.50645	1.59	9.7	7.68
0.0	3.6	14	7.59

^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

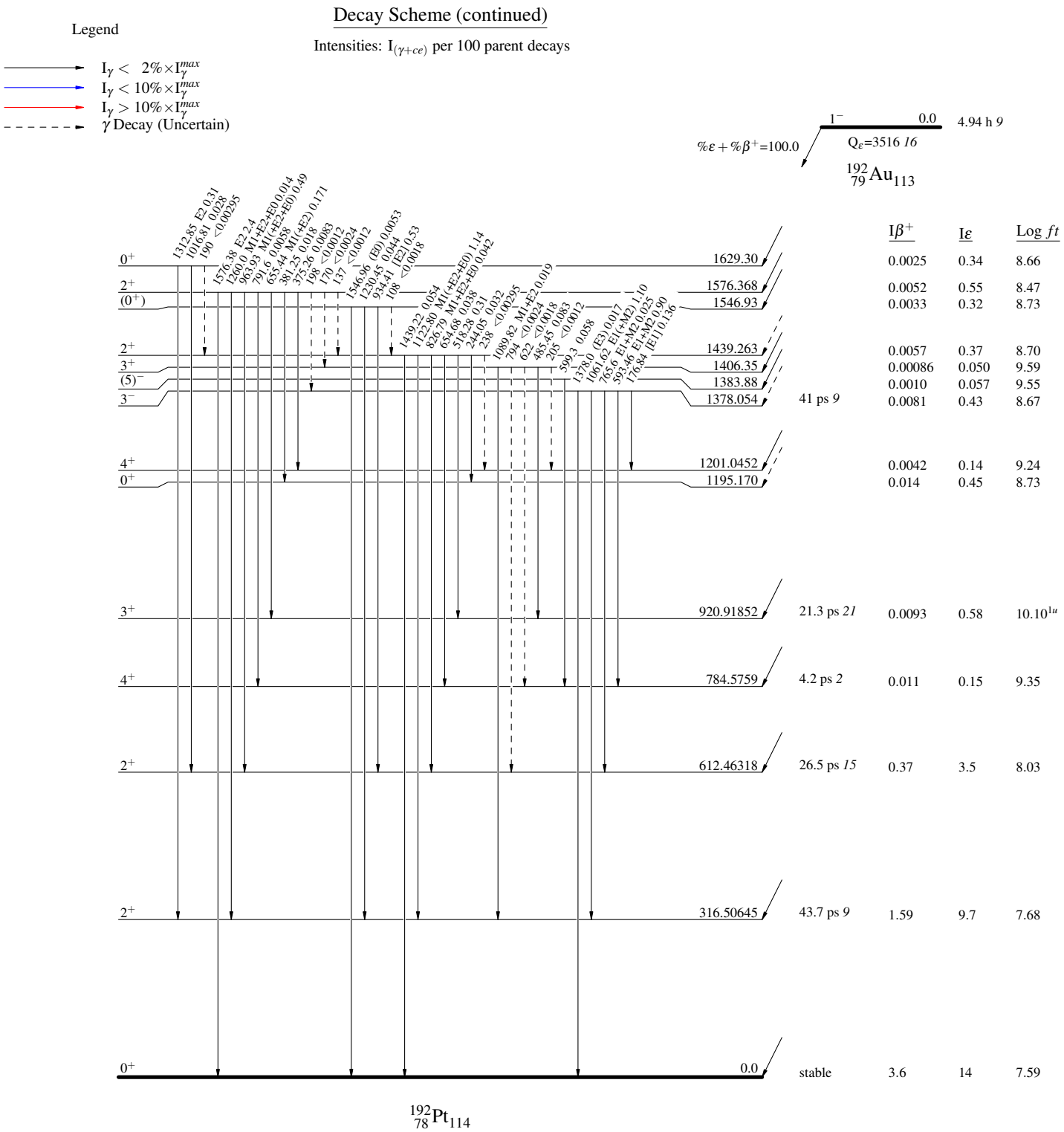
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

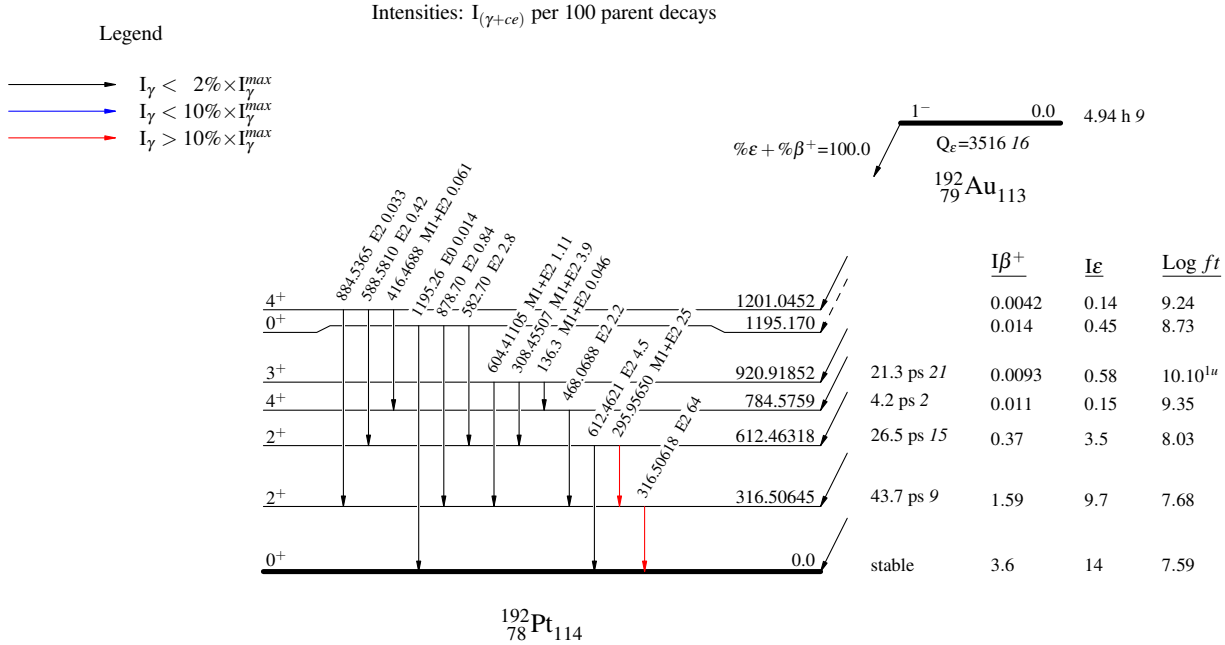
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



^{192}Au ε decay 2008Mc04,1972Fi12,1966Ny01

Decay Scheme (continued)

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



	Iβ+	Iε	Log *ft*
	0.0042	0.14	9.24
	0.014	0.45	8.73
	0.0093	0.58	10.10^{1u}
	0.011	0.15	9.35
	0.37	3.5	8.03
	1.59	9.7	7.68
	3.6	14	7.59