Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen, Balraj Singh	NDS 164, 1 (2020)	15-Feb-2020

Q(β^-)=−8250 *30*; S(n)=11586 *7*; S(p)=6010 *40*; Q(α)=−1162 *6* 2017Wa10
S(2n)=21280 *6*, S(2p)=9819 *5* (2017Wa10).
Mass measurement: 2009El08, 1982Th01.
Additional information 1.
Theory references: consult the NSR database (www.nndc.bnl.gov/nsr/) for 27 primary references dealing with nuclear structure calculations.

^{98}Pd Levels

Cross Reference (XREF) Flags

A ^{98}Ag ε decay (47.5 s)
B ^{99}Cd εp decay (17 s)
C ^{50}Cr(^{58}Ni,2p2$\alpha\gamma$)
D ^{70}Ge(^{32}S,2p2nγ)
E ^{92}Mo(^{10}B,3npγ)
F ^{96}Ru(α,2nγ)
G ^{96}Ru(^{16}O,^{14}C)

E(level)[†]	J$^\pi$[‡]	T$_{1/2}$[b]	XREF	Comments
0.0[c]	0$^+$	17.7 min *4*	ABCDEFG	%ε+%β^+=100 T$_{1/2}$: weighted average of 17.7 min *4* (1972Ga21), 18.0 min *5* (1972Ba37), 18 min *1* (1969An32), 17.5 min *5* (1956Ka25). Others: 17 min *3* (1955At34), 15 min *3* (1953At27).
862.69[c] *11*	2$^+$	<11.3 ps	A CDEFG	J$^\pi$: 862.7γ E2 to g.s.
1541.24[c] *13*	4$^+$	11.7 ps *21*	A CDEFG	XREF: G(1521). J$^\pi$: 678.5γ E2 (ΔJ=2) to 2$^+$; yrast band member.
1966.02 *15*	(2$^+$)	<145 fs	A E	J$^\pi$: from $\gamma\gamma(\theta)$ in ^{92}Mo(^{10}B,3npγ) (2009FrZZ), but no details available. T$_{1/2}$: from DSAM in ^{92}Mo(^{10}B,3npγ) (2009FrZZ). Possible fragment of one-phonon mixed symmetry state (2009FrZZ), based on large M1 transition strength for γ to first 2$^+$ state.
2112.30[c] *14*	6$^+$	19.3 ps *14*	A CDEF	J$^\pi$: 571.9γ E2 (ΔJ=2) to 4$^+$; yrast band member.
2222.2[a]	(2$^+$)	<90 fs	E G	XREF: G(2242). J$^\pi$: possible γ to 0$^+$, but 3,4$^+$ are not ruled out. T$_{1/2}$: from DSAM in ^{92}Mo(^{10}B,3npγ) (2009FrZZ). Possible fragment of one-phonon mixed symmetry state (2009FrZZ), based on large M1 transition strength for γ to first 2$^+$ state.
2289.29 *13*	(4$^+$)		A	J$^\pi$: 1426.6γ to 2$^+$; weak β feeding from (6$^+$) parent.
2300.2[a]			E	
2407.83 *14*	(4,5,6$^+$)		A	J$^\pi$: 866.7γ to 4$^+$; weak β feeding from (6$^+$) parent.
2564.13 *14*	(5,6$^+$)		A D G	XREF: D(?). J$^\pi$: 451.8γ to 6$^+$, 1022.9γ to 4$^+$; β feeding from (6$^+$) parent.
2616.87 *14*	(5,6$^+$)		A	J$^\pi$: 1075.6γ to 4$^+$; β feeding from (6$^+$) parent.
2619.96 *16*	(5$^-$)		A CD	J$^\pi$: proposed by 1984Pi11 in (^{32}S,2p2nγ) based on $\gamma(\theta)$ and systematics; β feeding from (6$^+$) parent. Possible configuration=$\pi g_{9/2}^{-1}\otimes\pi p_{1/2}^{-1}$ (1997Ce08).
2700.8[a]			E	
2724.37 *14*	(5,6$^+$)		A	J$^\pi$: 1183.0γ ray to 4$^+$, 612.0γ to 6$^+$; β feeding from (6$^+$) parent.
2766.94 *16*	(4$^+$)		A	J$^\pi$: 1904.7γ to 2$^+$; weak β feeding from (6$^+$) parent.
2773.03[c] *14*	8$^+$	66.3 ps *14*	A CDEFG	XREF: G(2792). J$^\pi$: ΔJ=2, E2 γ to 6$^+$; g.s. band member.
2784.00 *17*	(4,5,6$^+$)		A	J$^\pi$: 494.7γ to (4$^+$); weak β feeding from (6$^+$) parent.
2863.5[a]			E	
3003.59 *22*	(4$^+$)		A	J$^\pi$: 2140.8γ to 2$^+$; weak β feeding from (6$^+$) parent.

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Adopted Levels, Gammas (continued)

^{98}Pd Levels (continued)

E(level)[†]	J$^{\pi}$[‡]	XREF	Comments
3008.89 *14*	(5,6$^+$)	A	J$^{\pi}$: 1467.5γ to 4$^+$; β feeding from (6$^+$) parent.
3021.61 *24*		A	
3076.39 *14*	(6$^+$,7)	A	J$^{\pi}$: 303.3γ to 8$^+$; β feeding from (6$^+$) parent.
3091.40 *14*	(4,5,6$^+$)	A	J$^{\pi}$: 1549.7γ to 4$^+$; weak β feeding from (6$^+$) parent.
3117.51 *24*		A	
3125.13 *14*	(5$^+$,6$^+$)	A	J$^{\pi}$: 1583.7γ to 4$^+$; possible allowed β feeding from (6$^+$).
3172.97 *19*		A	
3219.30 *14*	(6$^+$,7,8$^+$)	A G	XREF: G(?). J$^{\pi}$: 1106.8γ to 6$^+$, 446.2γ to 8$^+$; weak β feeding from (6$^+$) parent.
3301.4[a]		E	
3345.15 *14*	(5,6$^+$)	A	J$^{\pi}$: 1803.8γ to 4$^+$; β feeding from (6$^+$) parent.
3347.83 *25*	(4$^+$)	A	J$^{\pi}$: 1381.8γ to (2$^+$); possible weak β feeding from (6$^+$) parent.
3349.16 *20*		A	
3378.36[&] *19*	(7$^-$)[&]	A C	J$^{\pi}$: 758.4γ (Q) to (5$^-$); β feeding from (6$^+$) parent.
3401.50 *16*	(4$^+$)	A	J$^{\pi}$: 2539.2γ to 2$^+$; weak β feeding from (6$^+$) parent.
3440.64 *14*	(5,6$^+$)	A G	XREF: G(3425). J$^{\pi}$: 1899.4γ to 4$^+$; β feeding from (6$^+$).
3488.83 *25*	(6$^+$,7,8)	A	J$^{\pi}$: 715.8γ to 8$^+$; weak β feeding from (6$^+$) parent.
3553.18 *15*	(4$^+$)	A	J$^{\pi}$: 2690.5γ to 2$^+$; weak β feeding from (6$^+$) parent.
3582.6 *4*		A	
3601.55 *14*	(5,6$^+$)	A	J$^{\pi}$: 2060.3γ to 4$^+$; β feeding from (6$^+$) parent.
3633.30 *14*	(5,6,7)[#]	A	
3644.49[c] *20*	10$^+$	CD F	J$^{\pi}$: 871.4γ Q (ΔJ=2) to 8$^+$; yrast band member.
3708.75 *16*	(4,5,6$^+$)	A	J$^{\pi}$: 1419.5γ to (4$^+$); possible weak β feeding from (6$^+$).
3739.83 *25*		A	
3752.64 *16*	(9$^+$)	A C	J$^{\pi}$: 979.4γ possible (D+Q) to 8$^+$, 434.1γ (D) with ΔJ=1 from (10$^+$).
3759.66 *15*	(5,6,7)[#]	A	
3763.27 *14*	(5,6,7)[#]	A	
3816.38 *17*	(5,6,7)[#]	A	
3852.93 *14*	(5,6$^+$)	A g	J$^{\pi}$: 2311.6γ to 4$^+$; β feeding from (6$^+$) parent.
3893.67 *19*		A g	
3905.33 *15*	(5,6,7)[#]	A	
3927.98 *25*		A	
3950.99 *15*	(5,6,7)[#]	A	
3965.15 *15*	(5,6,7)[#]	A	
3969.28 *14*	(5,6$^+$)	A	J$^{\pi}$: 2428.6γ to 4$^+$; β feeding from (6$^+$) parent.
3976.29 *14*	(6$^+$,7)	A	J$^{\pi}$: 1203.5γ to 8$^+$; β feeding from (6$^+$) parent.
3988.1 *4*	(10$^+$)	C	J$^{\pi}$: possible non-stretched dipole 343.8γ to (10$^+$), proposed by 1997Ce08 in (^{58}Ni,2p2$\alpha\gamma$).
3991.8 *3*		A	
4050.49 *15*	(6$^+$,7)	A	J$^{\pi}$: 1277.3γ to 8$^+$; β feeding from (6$^+$) parent.
4081.63 *15*	(5,6,7)[#]	A g	
4090.60 *16*	(5,6,7)[#]	A g	
4092.1 *4*	(4,5,6$^+$)	A g	J$^{\pi}$: 2550.8γ to 4$^+$; possible weak β feeding from (6$^+$) parent.
4105.24 *24*		A	
4124.54 *22*	(5,6$^+$)	A	J$^{\pi}$: 1835.6γ to (4$^+$); β feeding from (6$^+$).
4136.2 *4*		A	
4145.1[&] *5*	(9$^-$)[&]	C	J$^{\pi}$: 767.0γ (Q) to (7$^-$).
4152.58 *14*	(6$^+$,7$^+$)	A	J$^{\pi}$: 2040.3γ to 6$^+$; 1379.6γ to 8$^+$; allowed β feeding from (6$^+$) parent.
4164.38 *25*	(5,6,7)[#]	A	
4181.21 *15*	(5,6$^+$)	A	J$^{\pi}$: 2639.9γ to 4$^+$; β feeding from (6$^+$) parent.
4186.3 *4*	(10$^+$)	C	J$^{\pi}$: proposed by 1997Ce08 in (^{58}Ni,2p2$\alpha\gamma$) based on the 454γ-434γ-979γ cascade from (11$^-$) to 8$^+$ with mult=stretched dipole for 454γ and 434γ.
4221.96 *14*	(5$^+$,6$^+$)	A	J$^{\pi}$: 2109.5γ to 6$^+$; 1932.6γ to (4$^+$); possible allowed β feeding from (6$^+$) parent.

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Adopted Levels, Gammas (continued)

^{98}Pd Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
4265.48 *15*	(6+)	A	Jπ: 2723.9γ to 4+, 1491.6γ to 8+; possible allowed β feeding from (6+).
4278.04 *17*	(6+,7)	A	Jπ: 1505.0γ to 8+; β feeding from (6+).
4284.59 *15*	(5+,6+)	A	Jπ: 1664.8γ to (5−); possible allowed β feeding from (6+).
4291.71 *24*		A	
4314.74 *25*		A	
4321.46 *15*	(5,6,7)[#]	A	
4332.22 *16*	(7+)	A g	Jπ: 1559.2γ to 8+ and 579.4γ to (9+); β feeding from (6+). But (7+) is inconsistent with 2043.1γ to (4+).
4353.52 *16*	(5,6,7)[#]	A g	
4364.3 *4*	(11+)	C	Jπ: proposed by 1997Ce08 in (^{58}Ni,2p2αγ) based on γ intensity ratio.
4373.45 *17*		A	
4388.49 *16*	(7+)	A	Jπ: 635.7γ to (9+); β feeding from (6+).
4406.03 *17*	(5,6,7)[#]	A	
4410.85 *17*	(6+,7)	A	Jπ: 1637.8γ to 8+; β feeding from (6+).
4412.48 *17*	(5,6,7)[#]	A	
4417.43 *16*	(5,6+)	A	Jπ: 2127.7γ to (4+); β feeding from (6+).
4444.90 *25*		A	
4446.2[c] *4*	12+	CD F	Jπ: 801.3γ Q (ΔJ=2) to 10+; yrast band member.
4464.33 *16*	(5,6+)	A	Jπ: 2923.3γ to 4+; β feeding from (6+).
4500.40 *20*	(5,6+)	A	Jπ: 2211.2γ to (4+); β feeding from (6+).
4515.26 *19*	(5,6,7)[#]	A	
4522.26 *22*	(7+)	A	Jπ: 2410.2γ to 6+, 769.5γ to (9+); β feeding from (6+).
4541.70 *25*		A	
4542.62 *15*	(6+,7+)	A	Jπ: 1769.5γ to 8+; possible allowed β feeding from (6+).
4559.44 *14*	(5+,6+)	A	Jπ: 3018.8γ to 4+; possible allowed β feeding from (6+).
4598.85 *17*	(5,6,7)[#]	A	
4608.60 *17*	(5,6,7)[#]	A	
4611.2 *5*	(5,6,7)[#]	A	
4615.02 *17*	(5,6+)	A	Jπ: 2326.1γ to (4+); β feeding from (6+).
4637.94 *16*	(5,6,7)[#]	A	
4640.3[&] *4*	(11−)[&]	C	Jπ: 495.6γ (Q) to (9−), 995.2γ (D) to 10+.
4664.83 *25*		A	
4674.8 *5*	(12+)	C	Jπ: proposed in (^{58}Ni,2p2αγ) based on 310.7γ (D) to (11+).
4691.33 *20*	(5,6+)	A	Jπ: 2401.8γ to (4+); β feeding from (6+).
4718.28 *15*	(6+,7)	A	Jπ: 1945.4γ to 8+; β feeding from (6+).
4756.11 *17*	(5,6,7)[#]	A	
4766.84 *16*	(6+,7)	A	Jπ: 1993.8γ to 8+; β feeding from (6+).
4813.45 *25*		A	
4845.5 *5*		A	
4847.17 *14*	(6+,7+)	A	Jπ: 2074.2γ to 8+; allowed β feeding from (6+).
4877.34 *23*	(5,6,7)[#]	A	
4887.92 *24*		A	
4891.58 *15*	(6+,7)	A	Jπ: 2118.5γ to (8+); β feeding from (6+).
4918.26 *23*	(5,6+)	A	Jπ: 2628.9γ to (4+); β feeding from (6+).
4929.7 *4*		A	
4931.0 *4*		A	
4960.89 *22*	(5,6,7)[#]	A	
5009.37 *18*	(5,6+)	A	Jπ: 3468.1γ to 4+; β feeding from (6+).
5051.36 *15*	(6+)	A	Jπ: 3509.7γ to 4+, 2278.3γ to 8+; possible allowed β feeding from (6+).
5059.62 *15*	(5+,6+)	A	Jπ: 3518.1γ to 4+; possible allowed β feeding from (6+).
5061.89 *17*	(5,6,7)[#]	A	
5131.02 *19*	(5,6+)	A	Jπ: 2842.4γ to (4+); β feeding from (6+).

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Adopted Levels, Gammas (continued)

^{98}Pd Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
5173.48 *15*	(5⁺,6⁺)	A	Jπ: 3632.2γ to 4⁺; possible allowed β feeding from (6⁺).
5181.78 *23*	(5,6,7)[#]	A	
5206.45 *18*	(5⁺,6⁺)	A	Jπ: 3665.1γ to 4⁺; possible allowed β feeding from (6⁺).
5207.69 *19*		A	
5212.7 *4*		A	
5236.59 *16*	(5⁺,6⁺,7⁺)[@]	A	
5248.31 *19*	(5,6,7)[#]	A	Jπ: γ to (6⁺).
5269.0 *3*		A	
5282.85 *22*		A	
5286.74 *20*	(5,6,7⁻)	A	Jπ: 2666.4γ to (5⁻); β feeding from (6⁺).
5303.96 *17*	(5⁺,6⁺)	A	Jπ: 3762.8γ to 4⁺; possible allowed β feeding from (6⁺).
5314.11 *20*	(6⁺,7)	A	Jπ: 2541.0γ to 8⁺; β feeding from (6⁺).
5352.4 *5*		A	
5399.66 *24*	(5,6,7)[#]	A	
5416.86 *23*	(5,6,7)[#]	A	
5436.2 *6*	(5,6⁺)	A	Jπ: 3894.9γ to 4⁺; β feeding from (6⁺).
5450.52 *21*	(5,6,7)[#]	A	
5463.1 *5*	(13⁺)	C	Jπ: proposed in (^{58}Ni,2p2αγ) based on 1017.4γ (D) to (12⁺).
5477.33 *18*	(5⁺,6⁺)	A	Jπ: 3936.2γ to 4⁺; possible allowed β feeding from (6⁺).
5486.99 *16*	(5⁺,6⁺)	A	Jπ: 3946.0γ to 4⁺; possible allowed β feeding from (6⁺).
5504.4 *8*		C	Jπ: 11 to 13 from 864γ to (11⁻).
5505.5 *5*		A	Jπ: 4⁻ to 8⁻ from possible weak β feeding from (6⁺).
5507.39 *18*	(5⁺,6⁺,7⁺)[@]	A	
5508.8 *4*	(5,6⁺)	A	Jπ: 2889.0γ to (5⁻), 2505.0γ to (4⁺); β feeding from (6⁺).
5536.27 *25*		A	
5573.8 *5*	(5,6⁺)	A	Jπ: 4032.5γ to 4⁺; possible β feeding from (6⁺).
5575.1 *3*		A	
5576.6 *3*		A	
5583.3 *7*		A	
5585.1 *3*		A	
5619.6 *4*		A	
5628.0 *7*		A	
5698.9[c] *4*	14⁺	CD	Jπ: 1252.7γ Q (ΔJ=2) to 12⁺; yrast band member.
5706.4 *6*		A	
5708.5 *5*		A	
5716.0 *3*		A	
5717.77 *19*	(5⁺,6⁺)	A	Jπ: 4176.5γ to 4⁺; possible allowed β feeding from (6⁺).
5722.9 *5*		A	
5734.7 *6*	(12⁻)	C	Jπ: 1094.5γ (D) to (11⁻).
5755.98 *24*	(5⁺,6⁺,7⁺)[@]	A	
5778.9 *4*		A	
5814.87 *23*	(5⁺,6⁺)	A	Jπ: 4273.5γ to 4⁺; possible allowed β feeding from (6⁺).
5817.4 *5*		A	
5833.73 *18*	(5⁺,6⁺,7⁺)[@]	A	
5845.2 *6*		A	
5852.26 *22*	(5⁺,6⁺)	A	Jπ: 4311.0γ to 4⁺; possible allowed β feeding from (6⁺).
5857.4 *5*	(14⁺)	C	Jπ: 1182.9γ (Q) to (12⁺), 394.5γ (D) to (13⁺).
5883.79 *19*	(5⁺,6⁺)	A	Jπ: 3593.2γ to (4⁺); possible allowed β feeding from (6⁺).
5902.9 *8*		A	
5937.56 *18*	(5⁺,6⁺,7⁺)[@]	A	
5951.6 *7*		A	
5963.88 *17*	(6⁺,7⁺)	A	Jπ: 3190.8γ to 8⁺; possible allowed β feeding from (6⁺).
5971.3 *4*		A	
5982.4 *5*	(13⁻)	C	Jπ: 1342.1g (Q) to (11⁻), 247.8γ (D) to (12⁻).

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Adopted Levels, Gammas (continued)

^{98}Pd Levels (continued)

E(level)[†]	J$^\pi$[‡]	XREF	Comments
5982.45 *24*	(5,6$^+$)	A	J$^\pi$: 4440.8γ to 4$^+$; possible β feeding from (6$^+$).
5999.58 *23*	(5$^+$,6$^+$)	A	J$^\pi$: 4458.4γ to 4$^+$; possible allowed β feeding from (6$^+$).
6047.28 *25*	(5$^+$,6$^+$)	A	J$^\pi$: 3757.5γ to (4$^+$); possible allowed β feeding from (6$^+$).
6062.0 *5*		A	
6085.0 *5*		A	
6097.1 *3*		A	
6108.4 *7*		A	
6141.0 *5*		A	
6143.1 *5*		A	
6186.8 *5*		A	
6200.0 *4*		A	
6230.4 *8*		A	
6262.6 *3*	(5$^+$,6$^+$)	A	J$^\pi$: 4721.0γ to 4$^+$; possible allowed β feeding from (6$^+$).
6315.9 *4*		A	
6319.2 *7*	(14)	C	J$^\pi$: proposed in (^{58}Ni,2p2$\alpha\gamma$) based on 226.9γ (D) to (13$^-$).
6350.3 *6*		A	
6424.1 *7*		A	
6450.0 *7*		A	
6625.5 *5*	(15$^+$)	C	J$^\pi$: proposed in (^{58}Ni,2p2$\alpha\gamma$) based on 925.9γ (D) to 14$^+$, 768.7γ (D) to (14$^+$).
6748.5[c] *5*	(16$^+$)	C	J$^\pi$: 1049.2γ (Q) to 14$^+$; 123.0γ (D) to (15$^+$); possible yrast band member.
6801.7 *5*	(15$^+$)	C	J$^\pi$: proposed in (^{58}Ni,2p2$\alpha\gamma$) based on 1103.1γ (D) to 14$^+$.
7157.5 *7*	(15)	C	J$^\pi$: proposed in (^{58}Ni,2p2$\alpha\gamma$) based on 838.5γ (D) to (14).
7231.9 *8*	(15)	C	J$^\pi$: proposed in (^{58}Ni,2p2$\alpha\gamma$) based on 912.7γ (D) to (14).
7346.3 *5*	(16$^+$)	C	J$^\pi$: 1647.5γ (Q) to 14$^+$; 545γ and 720.5γ to (15$^+$).
7865.1 *9*		C	
8339.9 *9*	(17$^+$)	C	J$^\pi$: proposed by 1997Ce08 in (^{58}Ni,2p2$\alpha\gamma$).
8506.4 *7*	(18$^+$)	C	J$^\pi$: 1160.3γ (Q) to (16$^+$), 166γ to (17$^+$).
8612.8 *7*		C	
9134.9 *13*		C	
10862.9 *16*		C	

[†] From a least-squares fit to γ-ray energies, assuming $\Delta E\gamma$=1 keV for integer Eγ values and 0.5 keV otherwise if not given, unless otherwise noted.

[‡] For weak β feedings (<0.5% or so), possible J^π values from log ft alone, include those for first-forbidden unique transitions. For levels populated in heavy-ion γ-ray studies, ascending spins are assumed, consistent with yrast pattern of feedings of states in such reactions. In addition, same parity is assumed for levels in a cascade or a sequence.

[#] (5,6,7) suggested from $\varepsilon+\beta^+$ feeding from (6$^+$), when log ft>5.9 from (6$^+$) parent state.

[@] (5$^+$,6$^+$,7$^+$) suggested from possible allowed $\varepsilon+\beta^+$ feeding (log ft<5.9) from (6$^+$) parent state.

[&] Possible member of $\pi(g_{9/2}^{-3})\pi(p_{1/2}^{-1})$ (1997Ce08).

[a] Proposed by 2009FrZZ in ^{92}Mo(^{10}B,3npγ) and considered as tentative as no details about γ deexcitations are available.

[b] From ^{92}Mo(^{10}B,3npγ) using RDDS for excited states (2009FrZZ), unless otherwise noted. Values from 2009FrZZ are considered as preliminary.

[c] Band(A): Yrast cascade. Probable g.s. band identified through a cascade of ΔJ=2, quadrupole (most likely E2) transitions from $\gamma(\theta)$ data in (HI,xnγ). Known lifetimes for levels up to 8$^+$ suggest E2 for γ transitions from these levels.

Adopted Levels, Gammas (continued)

γ(^{98}Pd)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	δ	α[@]	Comments
862.69	2+	862.69 *11*	100	0.0	0+	E2		0.0014	B(E2)(W.u.)>3.9 E_γ: weighted average of 862.8 *1* from ^{98}Ag ε decay (47.5 s), 862.48 *14* from (^{32}S,2p2nγ), and 862.6 *3* from (α,2nγ). Mult.: Q from γ(θ) in (^{32}S,2p2nγ) and (α,2nγ) and M2 ruled out by RUL.
1541.24	4+	678.5 *1*	100	862.69	2+	E2		0.00258	B(E2)(W.u.)=12.6 *+27−19* E_γ: weighted average of 678.5 *1* from ^{98}Ag ε decay (47.5 s), 678.3 *6* from (^{32}S,2p2nγ), and 678.3 *3* from (α,2nγ).
1966.02	(2+)	1103.2 *1*	100	862.69	2+	(M1+E2)	−0.26 *10*		Mult.,δ: from γγ(θ) in ^{92}Mo(^{10}B,3npγ) (2009FrZZ).
2112.30	6+	570.94 *10*	100	1541.24	4+	E2		0.0041	B(E2)(W.u.)=18.0 *+14−12* E_γ: weighted average of 571.0 *1* from ^{98}Ag ε decay (47.5 s), 570.91 *10* from (^{32}S,2p2nγ), and 570.6 *3* from (α,2nγ). Mult.: Q from γ(θ) in (^{32}S,2p2nγ) and (α,2nγ) and M2 ruled out by RUL.
2222.2	(2+)	1359.5	100	862.69	2+	(M1+E2)	+0.15 *9*		E_γ: from level-energy difference. δ: from γγ(θ) in ^{92}Mo(^{10}B,3npγ) (2009FrZZ) for J(2222)=2.
		2222.2[a]	<8.1	0.0	0+	[E2]			E_γ: from level-energy difference. I_γ: <8.1% of the intensity of γ to the first 2+ state (2009FrZZ).
2289.29	(4+)	1426.6 *1*	100	862.69	2+				
2407.83	(4,5,6+)	866.7 *1*	100	1541.24	4+				
2564.13	(5,6+)	451.8 *1*	100 *7*	2112.30	6+				
		1022.9 *1*	8.3 *6*	1541.24	4+				
2616.87	(5,6+)	209.1 *2*	6.0 *10*	2407.83	(4,5,6+)				
		1075.6 *1*	100 *7*	1541.24	4+				
2619.96	(5−)	1078.7 *1*	100	1541.24	4+	(D)			
2724.37	(5,6+)	160.1 *1*	4.0 *3*	2564.13	(5,6+)				
		435.1 *1*	1.4 *1*	2289.29	(4+)				
		612.0 *1*	100 *7*	2112.30	6+				
		1183.0 *1*	51 *4*	1541.24	4+				
2766.94	(4+)	800.8 *1*	50 *3*	1966.02	(2+)				
		1904.7 *2*	100 *10*	862.69	2+				
2773.03	8+	660.64 *10*	100	2112.30	6+	E2		0.0028	B(E2)(W.u.)=2.54 *5* E_γ: weighted average of 660.7 *1* from ^{98}Ag ε decay (47.5 s), 660.41 *24* from (^{32}S,2p2nγ), and 660.5 *3* from (α,2nγ). Mult.: Q from γ(θ) in (^{32}S,2p2nγ) and (α,2nγ) and M2 ruled out by RUL.
2784.00	(4,5,6+)	494.7 *1*	100	2289.29	(4+)				
3003.59	(4+)	1462.3 *2*	100 *12*	1541.24	4+				
		2140.8 *4*	38 *8*	862.69	2+				
3008.89	(5,6+)	719.5 *1*	11.3 *10*	2289.29	(4+)				

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	Comments
3008.89	(5,6$^+$)	896.6 *2*	5.8 *7*	2112.30	6$^+$		
		1467.5 *1*	100 *7*	1541.24	4$^+$		
3021.61		909.3 *2*	100	2112.30	6$^+$		
3076.39	(6$^+$,7)	303.3 *1*	74 *4*	2773.03	8$^+$		
		352.0 *1*	100 *9*	2724.37	(5,6$^+$)		
		963.9 *1*	74 *4*	2112.30	6$^+$		
3091.40	(4,5,6$^+$)	802.1 *1*	26.6 *16*	2289.29	(4$^+$)		
		1549.7[‡] *1*	100 *11*	1541.24	4$^+$		E_γ: level-energy difference=1550.15.
3117.51		1005.2 *2*	100	2112.30	6$^+$		
3125.13	(5$^+$,6$^+$)	560.9 *1*	12.8 *10*	2564.13	(5,6$^+$)		
		717.5 *1*	3.3 *3*	2407.83	(4,5,6$^+$)		
		835.7 *1*	4.5 *5*	2289.29	(4$^+$)		
		1012.7 *1*	78 *5*	2112.30	6$^+$		
		1583.7 *1*	100 *8*	1541.24	4$^+$		
3172.97		553.0 *1*	100	2619.96	(5$^-$)		
3219.30	(6$^+$,7,8$^+$)	446.2 *1*	100 *6*	2773.03	8$^+$		
		1106.8 *1*	100 *6*	2112.30	6$^+$		
3345.15	(5,6$^+$)	620.9 *1*	28.8 *25*	2724.37	(5,6$^+$)		
		781.0 *1*	100 *6*	2564.13	(5,6$^+$)		
		937.3 *3*	3.0 *5*	2407.83	(4,5,6$^+$)		
		1055.7 *2*	5.6 *6*	2289.29	(4$^+$)		
		1803.8 *1*	73 *6*	1541.24	4$^+$		
3347.83	(4$^+$)	1381.8 *2*	100	1966.02	(2$^+$)		
3349.16		941.3 *2*	100 *11*	2407.83	(4,5,6$^+$)		
		1059.9 *2*	32 *5*	2289.29	(4$^+$)		
3378.36	(7$^-$)	758.4 *1*	100	2619.96	(5$^-$)	(Q)	Mult.: from γ intensity ratio in (^{58}Ni,2p2$\alpha\gamma$).
3401.50	(4$^+$)	1112.2 *1*	70 *7*	2289.29	(4$^+$)		
		2539.2 *4*	100 *17*	862.69	2$^+$		
3440.64	(5,6$^+$)	1032.7 *2*	2.7 *3*	2407.83	(4,5,6$^+$)		
		1328.3 *1*	100 *10*	2112.30	6$^+$		
		1899.4 *1*	86 *5*	1541.24	4$^+$		
3488.83	(6$^+$,7,8)	715.8 *2*	100	2773.03	8$^+$		
3553.18	(4$^+$)	1145.0 *2*	100 *8*	2407.83	(4,5,6$^+$)		
		1263.7 *1*	46 *4*	2289.29	(4$^+$)		
		2690.5 *3*	58 *8*	862.69	2$^+$		
3582.6		1293.3 *3*	100	2289.29	(4$^+$)		
3601.55	(5,6$^+$)	1037.3 *1*	100 *6*	2564.13	(5,6$^+$)		
		1312.3 *2*	4.4 *6*	2289.29	(4$^+$)		
		1489.3 *1*	20.0 *17*	2112.30	6$^+$		
		2060.3 *2*	15.6 *17*	1541.24	4$^+$		
3633.30	(5,6,7)	414.1 *1*	100 *7*	3219.30	(6$^+$,7,8$^+$)		
		1069.0 *1*	29.1 *18*	2564.13	(5,6$^+$)		
		1521.5[‡] *1*	76 *6*	2112.30	6$^+$		E_γ: level-energy difference=1520.98.

$^{98}_{46}Pd_{52}$-7

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	Comments
3644.49	10^+	871.40 *14*	100	2773.03	8^+	Q	E_γ: weighted average of 871.36 *14* from (^{32}S,2p2nγ) and 871.6 *3* from (α,2nγ). Mult.: from γ(θ) in (α,2nγ).
3708.75	(4,5,6$^+$)	1091.7 *2*	50 *8*	2616.87	(5,6$^+$)		
		1419.5 *1*	100 *8*	2289.29	(4$^+$)		
3739.83		1332.0 *2*	100	2407.83	(4,5,6$^+$)		
3752.64	(9$^+$)	979.4 *1*	100	2773.03	8^+	D+Q	Mult.: intensity ratio in (^{58}Ni,2p2αγ) (1997Ce08) indicates likely mult=stretched quadrupole, but a mixed D+Q is required by the 454γ-434γ-979γ cascade from (11$^-$) to 8^+ with mult=stretched dipole for 454γ and 434γ.
3759.66	(5,6,7)	1195.8 *1*	50 *4*	2564.13	(5,6$^+$)		
		1351.6 *2*	15.8 *20*	2407.83	(4,5,6$^+$)		
		1647.2 *1*	100 *8*	2112.30	6$^+$		
3763.27	(5,6,7)	686.9 *1*	9.5 *10*	3076.39	(6$^+$,7)		
		1651.0 *1*	100 *5*	2112.30	6$^+$		
3816.38	(5,6,7)	807.5 *1*	100 *9*	3008.89	(5,6$^+$)		
		1408.5 *2*	18.3 *19*	2407.83	(4,5,6$^+$)		
3852.93	(5,6$^+$)	251.4 *1*	27.5 *25*	3601.55	(5,6$^+$)		
		1128.4 *1*	65 *5*	2724.37	(5,6$^+$)		
		1236.2 *1*	75 *8*	2616.87	(5,6$^+$)		
		1288.9 *1*	88 *8*	2564.13	(5,6$^+$)		
		1445.4 *2*	43 *5*	2407.83	(4,5,6$^+$)		
		1563.4 *2*	16.5 *23*	2289.29	(4$^+$)		
		1740.4 *1*	98 *10*	2112.30	6$^+$		
		2311.6 *2*	100 *10*	1541.24	4$^+$		
3893.67		1273.7 *1*	100	2619.96	(5$^-$)		
3905.33	(5,6,7)	829.0 *1*	24.0 *20*	3076.39	(6$^+$,7)		
		1180.8 *1*	100 *7*	2724.37	(5,6$^+$)		
3927.98		1311.1 *2*	100	2616.87	(5,6$^+$)		
3950.99	(5,6,7)	731.6 *1*	100 *9*	3219.30	(6$^+$,7,8$^+$)		
		874.6 *1*	49 *5*	3076.39	(6$^+$,7)		
3965.15	(5,6,7)	956.1 *1*	33 *4*	3008.89	(5,6$^+$)		
		1241.1 *3*	18.8 *21*	2724.37	(5,6$^+$)		
		1400.9 *1*	48 *4*	2564.13	(5,6$^+$)		
		1853.1 *1*	100 *19*	2112.30	6$^+$		
3969.28	(5,6$^+$)	416.0 *1*	33.3 *21*	3553.18	(4$^+$)		
		844.0 *1*	42 *4*	3125.13	(5$^+$,6$^+$)		
		960.0 *2*	14.6 *21*	3008.89	(5,6$^+$)		
		1244.7 *2*	29.2 *21*	2724.37	(5,6$^+$)		
		1351.8[‡] *2*	18.8 *21*	2616.87	(5,6$^+$)		E_γ: level-energy difference=1352.40.
		1679.8 *2*	20.8 *21*	2289.29	(4$^+$)		
		2428.6[‡] *1*	100 *15*	1541.24	4$^+$		E_γ: level-energy difference=2428.01.
3976.29	(6$^+$,7)	756.8 *1*	29.8 *24*	3219.30	(6$^+$,7,8$^+$)		
		1203.5 *1*	26.2 *24*	2773.03	8$^+$		
		1412.1 *1*	21.4 *24*	2564.13	(5,6$^+$)		

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult.#	Comments
3976.29	(6$^+$,7)	1863.9 *1*	100 *7*	2112.30	6$^+$		
3988.1	(10$^+$)	343.8	100	3644.49	10$^+$		E_γ: from (^{58}Ni,2p2αγ). Mult.: 1997Ce08 in (^{58}Ni,2p2αγ) propose that it may be a non-stretched dipole based on intensity ratio.
3991.8		1371.8 *2*	100	2619.96	(5$^-$)		
4050.49	(6$^+$,7)	831.4 *2*	15.4 *15*	3219.30	(6$^+$,7,8$^+$)		
		974.2 *1*	100 *8*	3076.39	(6$^+$,7)		
		1277.3 *1*	23.1 *15*	2773.03	8$^+$		
4081.63	(5,6,7)	736.6 *1*	22 *3*	3345.15	(5,6$^+$)		
		1969.4 *1*	100 *9*	2112.30	6$^+$		
4090.60	(5,6,7)	1473.9 *2*	54 *8*	2616.87	(5,6$^+$)		
		1526.5 *1*	100 *8*	2564.13	(5,6$^+$)		
		1682.4 *2*	41 *5*	2407.83	(4,5,6$^+$)		
4092.1	(4,5,6$^+$)	2550.8 *3*	100	1541.24	4$^+$		
4105.24		1541.1 *2*	100	2564.13	(5,6$^+$)		
4124.54	(5,6$^+$)	1507.5 *2*	100 *13*	2616.87	(5,6$^+$)		
		1835.6 *3*	69 *10*	2289.29	(4$^+$)		
4136.2		1572.1 *3*	100	2564.13	(5,6$^+$)		
4145.1	(9$^-$)	767.0	100	3378.36	(7$^-$)	(Q)	E_γ,Mult.: from (^{58}Ni,2p2αγ).
4152.58	(6$^+$,7$^+$)	393.1 *2*	6.4 *7*	3759.66	(5,6,7)		
		519.1 *2*	7.1 *14*	3633.30	(5,6,7)		
		551.1 *1*	36 *3*	3601.55	(5,6$^+$)		
		933.4 *1*	59 *4*	3219.30	(6$^+$,7,8$^+$)		
		1027.3 *1*	20.7 *21*	3125.13	(5$^+$,6$^+$)		
		1076.1 *1*	17.1 *21*	3076.39	(6$^+$,7)		
		1379.6 *1*	100 *7*	2773.03	8$^+$		
		1428.0 *2*	9.3 *7*	2724.37	(5,6$^+$)		
		1588.4 *1*	16.4 *14*	2564.13	(5,6$^+$)		
		2040.3 *1*	50 *4*	2112.30	6$^+$		
4164.38	(5,6,7)	1547.5 *2*	100	2616.87	(5,6$^+$)		
4181.21	(5,6$^+$)	740.2 *2*	40 *5*	3440.64	(5,6$^+$)		
		1056.1 *1*	95 *10*	3125.13	(5$^+$,6$^+$)		
		1172.1 *2*	35 *5*	3008.89	(5,6$^+$)		
		1457.0 *2*	40 *5*	2724.37	(5,6$^+$)		
		1891.9 *5*	11 *3*	2289.29	(4$^+$)		
		2069.2 *2*	100 *10*	2112.30	6$^+$		
		2639.9 *3*	95 *10*	1541.24	4$^+$		
4186.3	(10$^+$)	198	≈10	3988.1	(10$^+$)		E_γ,I_γ: from (^{58}Ni,2p2αγ).
		434.1	100 *5*	3752.64	(9$^+$)	(D)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2αγ).
4221.96	(5$^+$,6$^+$)	876.7 *1*	20.9 *17*	3345.15	(5,6$^+$)		
		1213.0 *1*	47 *4*	3008.89	(5,6$^+$)		
		1497.6 *1*	20.0 *17*	2724.37	(5,6$^+$)		
		1658.0 *1*	13.9 *9*	2564.13	(5,6$^+$)		

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	Comments
4221.96	(5$^+$,6$^+$)	1814.2 *2*	9.6 *9*	2407.83	(4,5,6$^+$)		
		1932.6 *2*	8.7 *9*	2289.29	(4$^+$)		
		2109.5 *1*	100 *8*	2112.30	6$^+$		
4265.48	(6$^+$)	502.2 *1*	17.9 *14*	3763.27	(5,6,7)		
		1189.3 *1*	32.1 *21*	3076.39	(6$^+$,7)		
		1491.6 *3*	3.5 *6*	2773.03	8$^+$		
		1701.3 *1*	100 *7*	2564.13	(5,6$^+$)		
		2153.1 *1*	61 *4*	2112.30	6$^+$		
		2723.9 *4*	6.4 *14*	1541.24	4$^+$		
4278.04	(6$^+$,7)	1505.0 *1*	100	2773.03	8$^+$		
4284.59	(5$^+$,6$^+$)	521.2 *2*	3.0 *4*	3763.27	(5,6,7)		
		939.3 *1*	6.1 *6*	3345.15	(5,6$^+$)		
		1208.3 *1*	21.7 *17*	3076.39	(6$^+$,7)		
		1275.7 *2*	6.1 *6*	3008.89	(5,6$^+$)		
		1560.2 *1*	100 *6*	2724.37	(5,6$^+$)		
		1664.8 *2*	13.9 *17*	2619.96	(5$^-$)		
4291.71		2002.4 *2*	100	2289.29	(4$^+$)		
4314.74		1189.6 *2*	100	3125.13	(5$^+$,6$^+$)		
4321.46	(5,6,7)	558.2 *1*	22.0 *20*	3763.27	(5,6,7)		
		976.5 *2*	20.0 *20*	3345.15	(5,6$^+$)		
		1102.0 *1*	62 *6*	3219.30	(6$^+$,7,8$^+$)		
		1757.4 *1*	100 *8*	2564.13	(5,6$^+$)		
4332.22	(7$^+$)	579.4 *2*	21 *3*	3752.64	(9$^+$)		
		1559.2 *1*	100 *11*	2773.03	8$^+$		
		2043.1[a] *3*	27 *5*	2289.29	(4$^+$)	[M3]	E_γ: implied mult=[M3] makes the placement of this γ questionable.
4353.52	(5,6,7)	912.7 *3*	27 *5*	3440.64	(5,6$^+$)		
		1228.2 *3*	26 *5*	3125.13	(5$^+$,6$^+$)		
		1789.8 *2*	46 *5*	2564.13	(5,6$^+$)		
		1945.6 *1*	100 *11*	2407.83	(4,5,6$^+$)		
4364.3	(11$^+$)	376	≈11	3988.1	(10$^+$)		
		720.5[&]	≈100[&]	3644.49	10$^+$		
4373.45		1809.3 *1*	100	2564.13	(5,6$^+$)		
4388.49	(7$^+$)	635.7 *1*	45 *6*	3752.64	(9$^+$)		
		755.4 *1*	62 *8*	3633.30	(5,6,7)		
		1168.9 *2*	100 *10*	3219.30	(6$^+$,7,8$^+$)		
4406.03	(5,6,7)	2293.7 *1*	100	2112.30	6$^+$		
4410.85	(6$^+$,7)	1637.8 *1*	100	2773.03	8$^+$		
4412.48	(5,6,7)	1688.1 *1*	100	2724.37	(5,6$^+$)		
4417.43	(5,6$^+$)	976.9 *2*	26 *4*	3440.64	(5,6$^+$)		
		1853.3 *1*	100 *7*	2564.13	(5,6$^+$)		
		2127.7 *3*	15.5 *17*	2289.29	(4$^+$)		
4444.90		1436.0 *2*	100	3008.89	(5,6$^+$)		
4446.2	12$^+$	82.2	≈12	4364.3	(11$^+$)	(D)	E_γ,I_γ: from (^{58}Ni,2p2αγ).

$^{98}_{46}Pd_{52}$-10

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	Comments
4446.2	12$^+$	459	≈6	3988.1	(10$^+$)		E_γ,I_γ: from (^{58}Ni,2p2αγ).
		801.3 *3*	≈100	3644.49	10$^+$	Q	E_γ: weighted average of 802.1 *8* from (^{32}S,2p2nγ) and 801.2 *3* from (α,2nγ). I_γ: from (^{58}Ni,2p2αγ). Mult.: from $\gamma(\theta)$ in (^{32}S,2p2nγ) and (α,2nγ).
4464.33	(5,6$^+$)	1023.4 *2*	50 *6*	3440.64	(5,6$^+$)		
		1388.0 *2*	83 *11*	3076.39	(6$^+$,7)		
		1739.8 *2*	67 *6*	2724.37	(5,6$^+$)		
		2174.8 *2*	56 *6*	2289.29	(4$^+$)		
		2352.3 *2*	94 *11*	2112.30	6$^+$		
		2923.3 *2*	100 *17*	1541.24	4$^+$		
4500.40	(5,6$^+$)	1775.9 *2*	100 *7*	2724.37	(5,6$^+$)		
		2211.2 *2*	79 *7*	2289.29	(4$^+$)		
4515.26	(5,6,7)	913.8 *2*	39 *10*	3601.55	(5,6$^+$)		
		1170.0 *2*	100 *13*	3345.15	(5,6$^+$)		
		2403.0 *5*	87 *43*	2112.30	6$^+$		
4522.26	(7$^+$)	769.5 *2*	28 *4*	3752.64	(9$^+$)		
		2410.2 *3*	100 *13*	2112.30	6$^+$		
4541.70		1465.3 *2*	100	3076.39	(6$^+$,7)		
4542.62	(6$^+$,7$^+$)	1197.7 *2*	8.4 *13*	3345.15	(5,6$^+$)		
		1769.5 *1*	100 *8*	2773.03	8$^+$		
		1818.3 *3*	13.1 *16*	2724.37	(5,6$^+$)		
		1978.4 *2*	21.3 *16*	2564.13	(5,6$^+$)		
		2430.3 *1*	56 *5*	2112.30	6$^+$		
4559.44	(5$^+$,6$^+$)	654.1 *1*	94 *8*	3905.33	(5,6,7)		
		706.5 *1*	64 *8*	3852.93	(5,6$^+$)		
		1118.5 *2*	22 *3*	3440.64	(5,6$^+$)		
		1214.2 *1*	44 *6*	3345.15	(5,6$^+$)		
		1467.4[‡] *1*	25 *3*	3091.40	(4,5,6$^+$)		E_γ: level-energy difference=1468.03.
		1482.9 *1*	42 *3*	3076.39	(6$^+$,7)		
		1943.1 *2*	28 *3*	2616.87	(5,6$^+$)		
		1994.9[‡] *1*	100 *8*	2564.13	(5,6$^+$)		E_γ: level-energy difference=1995.29.
		2152.6[‡] *2*	25 *3*	2407.83	(4,5,6$^+$)		E_γ: level-energy difference=2151.59.
		2270.8[‡] *1*	78 *8*	2289.29	(4$^+$)		E_γ: level-energy difference=2270.13.
		2447.6 *2*	33 *8*	2112.30	6$^+$		
		3018.8[‡] *2*	58 *8*	1541.24	4$^+$		E_γ: level-energy difference=3018.15.
4598.85	(5,6,7)	997.1 *2*	42 *5*	3601.55	(5,6$^+$)		
		1522.4 *2*	48 *6*	3076.39	(6$^+$,7)		
		1874.7 *2*	100 *8*	2724.37	(5,6$^+$)		
		2486.5 *3*	31 *15*	2112.30	6$^+$		
4608.60	(5,6,7)	1532.2 *1*	100	3076.39	(6$^+$,7)		
4611.2	(5,6,7)	2498.9 *4*	100	2112.30	6$^+$		
4615.02	(5,6$^+$)	1538.6 *1*	100 *13*	3076.39	(6$^+$,7)		

$^{98}_{46}Pd_{52}$-11

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	Comments
4615.02	(5,6$^+$)	2051.0 *3*	31 *4*	2564.13	(5,6$^+$)		
		2326.1 *8*	11 *4*	2289.29	(4$^+$)		
4637.94	(5,6,7)	732.6 *1*	61 *6*	3905.33	(5,6,7)		
		2073.8 *1*	100 *11*	2564.13	(5,6$^+$)		
4640.3	(11$^-$)	454.4	73 *3*	4186.3	(10$^+$)	(D)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
		495.6	100 *3*	4145.1	(9$^-$)	(Q)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
		652.4	21 *3*	3988.1	(10$^+$)	(D)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
		995.2	58 *4*	3644.49	10$^+$	(D)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
4664.83		2257.0 *3*	82 *14*	2407.83	(4,5,6$^+$)		
		2375.5 *3*	100 *16*	2289.29	(4$^+$)		
4674.8	(12$^+$)	310.7	100	4364.3	(11$^+$)	(D)	E_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
4691.33	(5,6$^+$)	1138.3 *2*	83 *13*	3553.18	(4$^+$)		
		1966.8 *3*	90 *13*	2724.37	(5,6$^+$)		
		2401.8 *3*	100 *14*	2289.29	(4$^+$)		
4718.28	(6$^+$,7)	767.2 *1*	45 *4*	3950.99	(5,6,7)		
		954.9 *2*	45 *7*	3763.27	(5,6,7)		
		1641.8 *1*	52 *4*	3076.39	(6$^+$,7)		
		1945.4 *1*	100 *7*	2773.03	8$^+$		
4756.11	(5,6,7)	1679.7 *1*	100	3076.39	(6$^+$,7)		
4766.84	(6$^+$,7)	1548.0 *3*	100 *13*	3219.30	(6$^+$,7,8$^+$)		
		1690.2 *1*	93 *7*	3076.39	(6$^+$,7)		
		1993.8 *2*	60 *7*	2773.03	8$^+$		
		2203.4[‡] *2*	53 *7*	2564.13	(5,6$^+$)		E_γ: level-energy difference=2202.68.
4813.45		1372.8 *2*	100	3440.64	(5,6$^+$)		
4845.5		2228.6 *4*	100	2616.87	(5,6$^+$)		
4847.17	(6$^+$,7$^+$)	870.8 *1*	16.8 *17*	3976.29	(6$^+$,7)		
		882.2 *2*	6.8 *8*	3965.15	(5,6,7)		
		993.8 *2*	10.9 *17*	3852.93	(5,6$^+$)		
		1083.9 *1*	59 *5*	3763.27	(5,6,7)		
		1087.8 *4*	5.9 *17*	3759.66	(5,6,7)		
		1245.5 *1*	16.8 *17*	3601.55	(5,6$^+$)		
		1406.7 *2*	5.9 *9*	3440.64	(5,6$^+$)		
		1721.8 *2*	9.2 *17*	3125.13	(5$^+$,6$^+$)		
		1770.6 *1*	23.5 *17*	3076.39	(6$^+$,7)		
		2074.2 *1*	57 *4*	2773.03	8$^+$		
		2122.8 *2*	15.1 *17*	2724.37	(5,6$^+$)		
		2283.1 *1*	26 *3*	2564.13	(5,6$^+$)		
		2735.0 *1*	100 *8*	2112.30	6$^+$		
4877.34	(5,6,7)	1752.2 *4*	25 *6*	3125.13	(5$^+$,6$^+$)		
		2765.0 *2*	100 *13*	2112.30	6$^+$		
4887.92		2598.6 *2*	100	2289.29	(4$^+$)		
4891.58	(6$^+$,7)	1258.5 *1*	25 *4*	3633.30	(5,6,7)		
		1290.0 *2*	56 *6*	3601.55	(5,6$^+$)		

$^{98}_{46}Pd_{52}$-12

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Comments
4891.58	(6$^+$,7)	2118.5 *2*	67 *6*	2773.03	8$^+$	
		2327.4 *1*	100 *11*	2564.13	(5,6$^+$)	
		2778.4‡ *2*	83 *11*	2112.30	6$^+$	E_γ: level-energy difference=2779.23.
4918.26	(5,6$^+$)	1827.0 *4*	67 *15*	3091.40	(4,5,6$^+$)	
		2193.8 *3*	100 *15*	2724.37	(5,6$^+$)	
		2628.9 *3*	87 *15*	2289.29	(4$^+$)	
4929.7		2365.5 *3*	100	2564.13	(5,6$^+$)	
4931.0		1805.9 *3*	100	3125.13	(5$^+$,6$^+$)	
4960.89	(5,6,7)	1201.3 *2*	100 *17*	3759.66	(5,6,7)	
		1951.8 *3*	73 *13*	3008.89	(5,6$^+$)	
5009.37	(5,6$^+$)	2000.6 *3*	18 *3*	3008.89	(5,6$^+$)	
		2445.2 *2*	19.7 *24*	2564.13	(5,6$^+$)	
		2896.8 *3*	6 *6*	2112.30	6$^+$	
		3468.1 *2*	100 *9*	1541.24	4$^+$	
5051.36	(6$^+$)	1074.8 *2*	12 *3*	3976.29	(6$^+$,7)	
		1831.7 *2*	19 *3*	3219.30	(6$^+$,7,8$^+$)	
		2278.3 *1*	100 *8*	2773.03	8$^+$	
		2327.4 *2*	25 *3*	2724.37	(5,6$^+$)	
		2487.6 *2*	21 *3*	2564.13	(5,6$^+$)	
		2938.9 *3*	25 *3*	2112.30	6$^+$	
		3509.7 *3*	16 *2*	1541.24	4$^+$	
5059.62	(5$^+$,6$^+$)	1505.6‡ *2*	29 *5*	3553.18	(4$^+$)	E_γ: level-energy difference=1506.43.
		1619.6‡ *2*	43 *5*	3440.64	(5,6$^+$)	E_γ: level-energy difference=1618.97.
		1934.4 *2*	67 *10*	3125.13	(5$^+$,6$^+$)	
		1968.8 *3*	14 *4*	3091.40	(4,5,6$^+$)	
		2050.9 *2*	38 *5*	3008.89	(5,6$^+$)	
		2442.6 *2*	33 *5*	2616.87	(5,6$^+$)	
		2770.1 *2*	100 *10*	2289.29	(4$^+$)	
		2948.0 *3*	52 *5*	2112.30	6$^+$	
		3518.1 *2*	48 *4*	1541.24	4$^+$	
5061.89	(5,6,7)	1156.5 *1*	100 *10*	3905.33	(5,6,7)	
		1299.1 *3*	20 *5*	3763.27	(5,6,7)	
5131.02	(5,6$^+$)	2566.7 *2*	86 *9*	2564.13	(5,6$^+$)	
		2842.4 *5*	29 *7*	2289.29	(4$^+$)	
		3018.7 *2*	100 *10*	2112.30	6$^+$	
5173.48	(5$^+$,6$^+$)	951.3 *2*	9 *3*	4221.96	(5$^+$,6$^+$)	
		1092.4 *2*	8.7 *11*	4081.63	(5,6,7)	
		1320.6 *3*	20 *4*	3852.93	(5,6$^+$)	
		2097.0 *2*	23 *3*	3076.39	(6$^+$,7)	
		2164.7 *3*	8.0 *12*	3008.89	(5,6$^+$)	
		2449.0 *2*	13.3 *13*	2724.37	(5,6$^+$)	
		2609.1 *2*	21 *3*	2564.13	(5,6$^+$)	
		3061.1 *1*	100 *8*	2112.30	6$^+$	

$^{98}_{46}Pd_{52}$-13

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π
5173.48	(5$^+$,6$^+$)	3632.2 *2*	47 *4*	1541.24	4$^+$
5181.78	(5,6,7)	1962.1 *4*	36 *12*	3219.30	(6$^+$,7,8$^+$)
		2617.7 *2*	100 *11*	2564.13	(5,6$^+$)
5206.45	(5$^+$,6$^+$)	2798.6 *2*	52 *4*	2407.83	(4,5,6$^+$)
		3094.1 *2*	65 *9*	2112.30	6$^+$
		3665.1 *2*	100 *13*	1541.24	4$^+$
5207.69		819.2 *1*	100	4388.49	(7$^+$)
5212.7		2804.8 *3*	100	2407.83	(4,5,6$^+$)
5236.59	(5$^+$,6$^+$,7$^+$)	1473.4 *2*	30 *4*	3763.27	(5,6,7)
		1477.2 *2*	35 *4*	3759.66	(5,6,7)
		1603.5 *2*	22 *4*	3633.30	(5,6,7)
		1891.4 *2*	100 *9*	3345.15	(5,6$^+$)
		2511.9 *2*	57 *4*	2724.37	(5,6$^+$)
		2671.7 *3*	27 *4*	2564.13	(5,6$^+$)
5248.31	(5,6,7)	1272.0 *3*	29 *7*	3976.29	(6$^+$,7)
		2684.2 *2*	79 *7*	2564.13	(5,6$^+$)
		3135.9 *2*	100 *14*	2112.30	6$^+$
5269.0		1924.2 *3*	100 *16*	3345.15	(5,6$^+$)
		2704.5 *3*	86 *12*	2564.13	(5,6$^+$)
5282.85		1937.5 *3*	100 *15*	3345.15	(5,6$^+$)
		2063.6 *2*	58 *17*	3219.30	(6$^+$,7,8$^+$)
5286.74	(5,6,7$^-$)	1685.8 *4*	33 *8*	3601.55	(5,6$^+$)
		2210.1 *2*	100 *8*	3076.39	(6$^+$,7)
		2278.0 *3*	50 *8*	3008.89	(5,6$^+$)
		2666.4 *5*	22 *6*	2619.96	(5$^-$)
		3174.6 *5*	67 *17*	2112.30	6$^+$
5303.96	(5$^+$,6$^+$)	1902.6 *3*	56 *13*	3401.50	(4$^+$)
		2212.7 *2*	50 *6*	3091.40	(4,5,6$^+$)
		2579.2 *2*	69 *6*	2724.37	(5,6$^+$)
		2896.1 *3*	50 *13*	2407.83	(4,5,6$^+$)
		3014.5 *3*	44 *6*	2289.29	(4$^+$)
		3762.8 *2*	100 *13*	1541.24	4$^+$
5314.11	(6$^+$,7)	2541.0 *2*	100 *8*	2773.03	8$^+$
		3201.8 *2*	100 *8*	2112.30	6$^+$
5352.4		2788.2 *4*	100	2564.13	(5,6$^+$)
5399.66	(5,6,7)	3287.3 *2*	100	2112.30	6$^+$
5416.86	(5,6,7)	2325.4 *4*	19 *5*	3091.40	(4,5,6$^+$)
		3304.5 *2*	100 *8*	2112.30	6$^+$
5436.2	(5,6$^+$)	3894.9 *5*	100	1541.24	4$^+$
5450.52	(5,6,7)	1474.8 *3*	69 *13*	3976.29	(6$^+$,7)
		2441.3 *3*	54 *10*	3008.89	(5,6$^+$)
		2886.1 *3*	89 *12*	2564.13	(5,6$^+$)
		3338.1 *4*	100 *14*	2112.30	6$^+$

$^{98}_{46}Pd_{52}$-14

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[#]	Comments
5463.1	(13$^+$)	788	≈20	4674.8	(12$^+$)		E_γ,I_γ: from (^{58}Ni,2p2αγ).
		1017.4	100 *3*	4446.2	12$^+$	(D)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2αγ).
5477.33	(5$^+$,6$^+$)	2352.0 *3*	16 *3*	3125.13	(5$^+$,6$^+$)		
		2469.2 *3*	13 *3*	3008.89	(5,6$^+$)		
		3364.5 *2*	39 *3*	2112.30	6$^+$		
		3936.2 *2*	100 *10*	1541.24	4$^+$		
5486.99	(5$^+$,6$^+$)	1113.5 *3*	11 *3*	4373.45			
		1511.3 *3*	20 *4*	3976.29	(6$^+$,7)		
		1727.0 *2*	57 *10*	3759.66	(5,6,7)		
		2362.0 *3*	29 *5*	3125.13	(5$^+$,6$^+$)		
		2922.6 *2*	43 *5*	2564.13	(5,6$^+$)		
		3374.5 *2*	100 *10*	2112.30	6$^+$		
		3946.0 *2*	67 *10*	1541.24	4$^+$		
5504.4		864	100	4640.3	(11$^-$)		E_γ: from (^{58}Ni,2p2αγ).
5505.5		2721.5 *4*	100	2784.00	(4,5,6$^+$)		
5507.39	(5$^+$,6$^+$,7$^+$)	1426.1 *2*	70 *10*	4081.63	(5,6,7)		
		2162.1 *3*	42 *9*	3345.15	(5,6$^+$)		
		2415.9 *3*	47 *9*	3091.40	(4,5,6$^+$)		
		3099.1 *3*	60 *10*	2407.83	(4,5,6$^+$)		
		3394.8 *3*	100 *10*	2112.30	6$^+$		
5508.8	(5,6$^+$)	2505.0 *4*	100 *16*	3003.59	(4$^+$)		
		2889.0 *4*	22 *5*	2619.96	(5$^-$)		
5536.27		1773.3 *4*	80 *14*	3763.27	(5,6,7)		
		2191.0 *3*	86 *18*	3345.15	(5,6$^+$)		
		2811.7 *4*	100 *16*	2724.37	(5,6$^+$)		
5573.8	(5,6$^+$)	4032.5 *4*	100	1541.24	4$^+$		
5575.1		1973.5 *3*	51 *11*	3601.55	(5,6$^+$)		
		3167.2 *4*	100 *14*	2407.83	(4,5,6$^+$)		
5576.6		2956.4 *4*	64 *13*	2619.96	(5$^-$)		
		3012.5 *3*	100 *13*	2564.13	(5,6$^+$)		
5583.3		3470.9 *6*	100	2112.30	6$^+$		
5585.1		1211.6 *2*	100	4373.45			
5619.6		2895.6 *6*	71 *17*	2724.37	(5,6$^+$)		
		3055.3 *4*	100 *17*	2564.13	(5,6$^+$)		
5628.0		4086.7 *6*	100	1541.24	4$^+$		
5698.9	14$^+$	236	≈8	5463.1	(13$^+$)		E_γ,I_γ: from (^{58}Ni,2p2αγ).
		1252.69 *14*	100	4446.2	12$^+$	Q	E_γ,I_γ,Mult.: from (^{32}S,2p2nγ).
5706.4		3417.1 *5*	100	2289.29	(4$^+$)		
5708.5		4167.2 *4*	100	1541.24	4$^+$		
5716.0		1342.5 *2*	100	4373.45			
5717.77	(5$^+$,6$^+$)	2626.8 *3*	28 *6*	3091.40	(4,5,6$^+$)		
		3309.6 *2*	100 *11*	2407.83	(4,5,6$^+$)		
		4176.5 *2*	83 *11*	1541.24	4$^+$		

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult.#	Comments
5722.9		1746.6 *4*	100	3976.29	$(6^+,7)$		
5734.7	(12^-)	1094.5	100	4640.3	(11^-)	(D)	E_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
5755.98	$(5^+,6^+,7^+)$	3643.6 *2*	100	2112.30	6^+		
5778.9		3666.5 *3*	100	2112.30	6^+		
5814.87	$(5^+,6^+)$	3702.5 *2*	100 *14*	2112.30	6^+		
		4273.5 *4*	45 *6*	1541.24	4^+		
5817.4		2054.1 *4*	100	3763.27	(5,6,7)		
5833.73	$(5^+,6^+,7^+)$	1856.8 *3*	39 *8*	3976.29	$(6^+,7)$		
		2074.7 *4*	33 *8*	3759.66	(5,6,7)		
		3269.6 *2*	57 *8*	2564.13	$(5,6^+)$		
		3721.4 *2*	100 *8*	2112.30	6^+		
5845.2		3732.8 *5*	100	2112.30	6^+		
5852.26	$(5^+,6^+)$	2842.8 *4*	53 *13*	3008.89	$(5,6^+)$		
		3231.9 *5*	69 *13*	2619.96	(5^-)		
		3444.6 *3*	81 *12*	2407.83	$(4,5,6^+)$		
		3563.5 *7*	29 *9*	2289.29	(4^+)		
		4311.0 *3*	100 *14*	1541.24	4^+		
5857.4	(14^+)	394.5	31.0 *16*	5463.1	(13^+)	(D)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
		1182.9	100 *3*	4674.8	(12^+)	(Q)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
5883.79	$(5^+,6^+)$	2759.0 *3*	63 *13*	3125.13	$(5^+,6^+)$		
		3266.2 *3*	100 *13*	2616.87	$(5,6^+)$		
		3319.8 *2*	89 *11*	2564.13	$(5,6^+)$		
		3476.0 *4*	64 *10*	2407.83	$(4,5,6^+)$		
		3593.2 *7*	24 *8*	2289.29	(4^+)		
		3771.4 *5*	34 *8*	2112.30	6^+		
5902.9		3790.5 *7*	100	2112.30	6^+		
5937.56	$(5^+,6^+,7^+)$	2177.6 *3*	90 *20*	3759.66	(5,6,7)		
		2592.6 *2*	60 *10*	3345.15	$(5,6^+)$		
		3373.5 *3*	42 *6*	2564.13	$(5,6^+)$		
		3825.0 *2*	100 *10*	2112.30	6^+		
5951.6		4410.2 *6*	100	1541.24	4^+		
5963.88	$(6^+,7^+)$	2200.5 *4*	23 *4*	3763.27	(5,6,7)		
		3190.8 *1*	100 *10*	2773.03	8^+		
5971.3		3351.3 *3*	100	2619.96	(5^-)		
5982.4	(13^-)	247.8	29 *1*	5734.7	(12^-)	(D)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
		478	≈40	5504.4			E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
		1342.1	100 *4*	4640.3	(11^-)	(Q)	E_γ,I_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
5982.45	$(5,6^+)$	3870.1 *2*	100 *13*	2112.30	6^+		
		4440.8 *6*	29 *6*	1541.24	4^+		
5999.58	$(5^+,6^+)$	2236.0 *7*	18 *5*	3763.27	(5,6,7)		
		3887.2 *2*	100 *13*	2112.30	6^+		
		4458.4 *6*	28 *6*	1541.24	4^+		
6047.28	$(5^+,6^+)$	3262.9 *5*	57 *14*	2784.00	$(4,5,6^+)$		

$^{98}_{46}Pd_{52}$-16

Adopted Levels, Gammas (continued)

γ(^{98}Pd) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult.#	Comments
6047.28	(5$^+$,6$^+$)	3483.9 *4*	29 *7*	2564.13	(5,6$^+$)		
		3639.2 *4*	100 *14*	2407.83	(4,5,6$^+$)		
		3757.5 *4*	66 *13*	2289.29	(4$^+$)		
6062.0		3949.6 *4*	100	2112.30	6$^+$		
6085.0		3520.8 *4*	100	2564.13	(5,6$^+$)		
6097.1		3476.6 *3*	69 *34*	2619.96	(5$^-$)		
		3533.3 *3*	100 *21*	2564.13	(5,6$^+$)		
6108.4		4567.0 *6*	100	1541.24	4$^+$		
6141.0		4599.6 *4*	100	1541.24	4$^+$		
6143.1		4030.7 *4*	100	2112.30	6$^+$		
6186.8		3566.8 *4*	100	2619.96	(5$^-$)		
6200.0		3426.9 *3*	100	2773.03	8$^+$		
6230.4		3822.5 *7*	100	2407.83	(4,5,6$^+$)		
6262.6	(5$^+$,6$^+$)	4150.3 *3*	100 *14*	2112.30	6$^+$		
		4721.0 *7*	27 *9*	1541.24	4$^+$		
6315.9		4203.5 *3*	100	2112.30	6$^+$		
6319.2	(14)	336.9	100	5982.4	(13$^-$)	(D)	E_γ,Mult.: from (^{58}Ni,2p2$\alpha\gamma$).
6350.3		4808.9 *5*	100	1541.24	4$^+$		
6424.1		4882.7 *6*	100	1541.24	4$^+$		
6450.0		4337.6 *6*	100	2112.30	6$^+$		
6625.5	(15$^+$)	768.7	31 *4*	5857.4	(14$^+$)	(D)	
		925.9	100 *2*	5698.9	14$^+$	(D)	
6748.5	(16$^+$)	123.0	24 *1*	6625.5	(15$^+$)	(D)	
		891.4	68 *3*	5857.4	(14$^+$)	(Q)	
		1049.2	100 *3*	5698.9	14$^+$	(Q)	
6801.7	(15$^+$)	944.1	100 *5*	5857.4	(14$^+$)	(D)	
		1103.1	44 *5*	5698.9	14$^+$	(D)	
7157.5	(15)	838.5	100 *4*	6319.2	(14)	(D)	
		1458	≈86	5698.9	14$^+$		
7231.9	(15)	912.7	100	6319.2	(14)	(D)	
7346.3	(16$^+$)	545	≈170	6801.7	(15$^+$)		
		720.5&	≈270&	6625.5	(15$^+$)		
		1647.5	100 *7*	5698.9	14$^+$	(Q)	
7865.1		519	100	7346.3	(16$^+$)		
8339.9	(17$^+$)	993	100	7346.3	(16$^+$)		
8506.4	(18$^+$)	166	≈25	8339.9	(17$^+$)		
		1160.3	100 *5*	7346.3	(16$^+$)	(Q)	
8612.8		748	≈20	7865.1			
		1266.5	100 *5*	7346.3	(16$^+$)		
9134.9		522	100	8612.8			
10862.9		1728	100	9134.9			

$^{98}_{46}Pd_{52}$-17

Adopted Levels, Gammas (continued)

$\gamma(^{98}Pd)$ (continued)

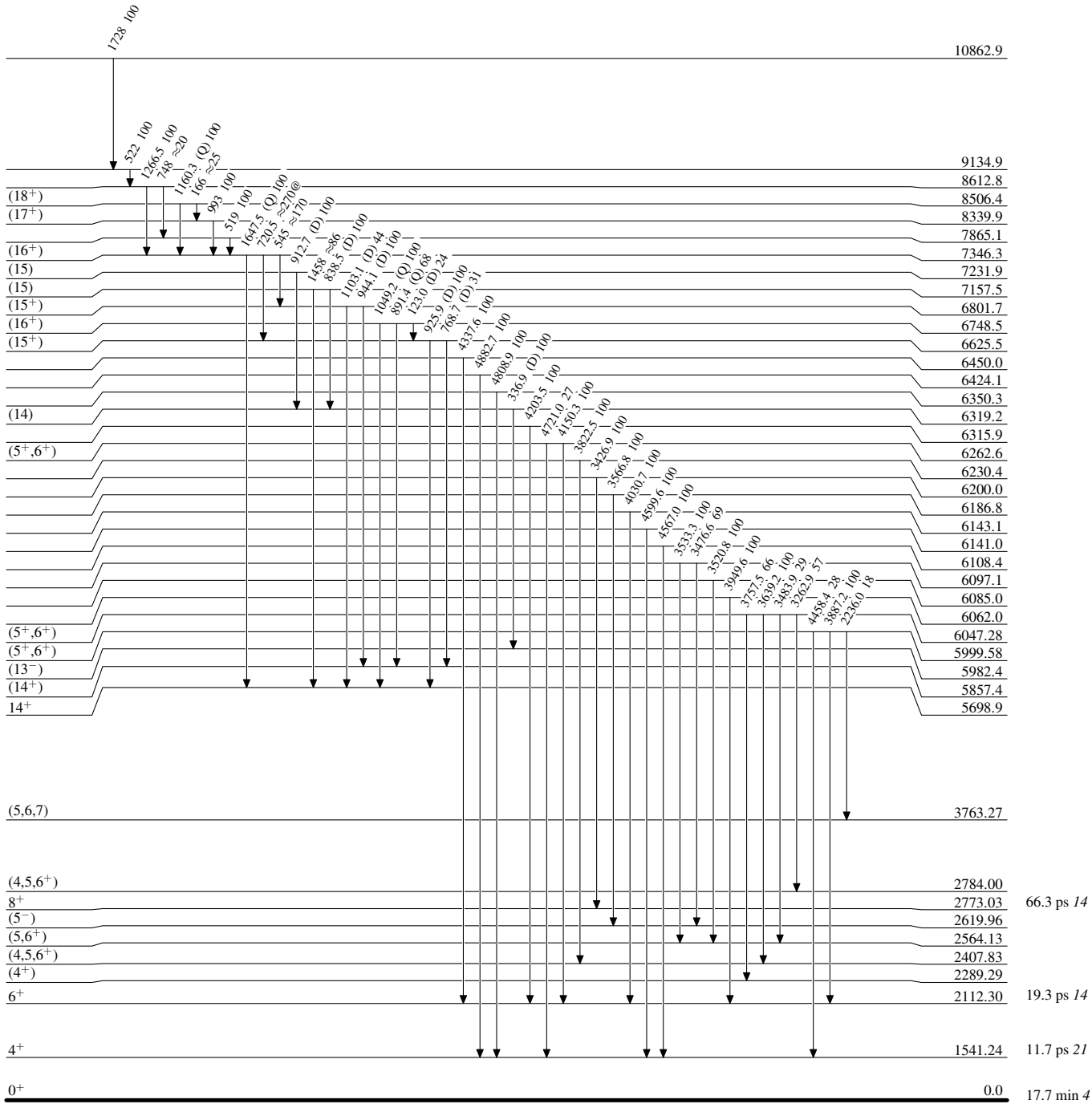
† From ^{98}Ag ε decay up to 6450 level and from (^{58}Ni,2p2$\alpha\gamma$) above that, unless otherwise noted.
‡ Poor fit. Level-energy difference from least-squares adjustment procedure (see ^{98}Ag ε decay dataset) deviates by 0.3 to 1 keV from the quoted Eγ.
# From $\gamma(\theta)$ in (^{32}S,2p2nγ) and (α,2nγ) up to 5698 level and from intensity ratio in (^{58}Ni,2p2$\alpha\gamma$) for levels above that, unless otherwise noted. Mult=Q indicates stretched quadrupole (most likely E2), and mult=D or D+Q indicates ΔJ=1 transition.
@ Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.
& Multiply placed with intensity suitably divided.
a Placement of transition in the level scheme is uncertain.

$^{98}_{46}Pd_{52}$-18

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

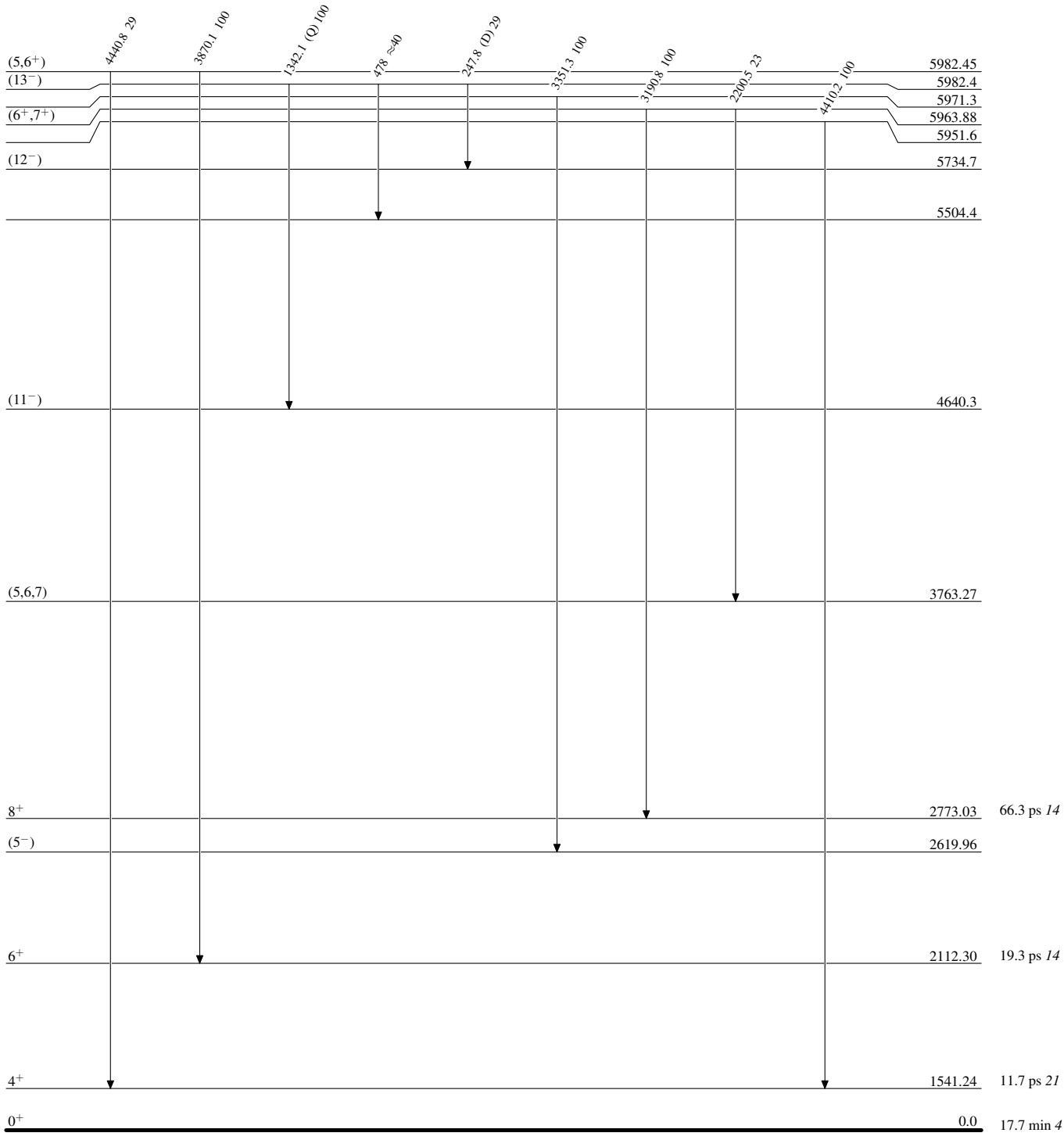


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

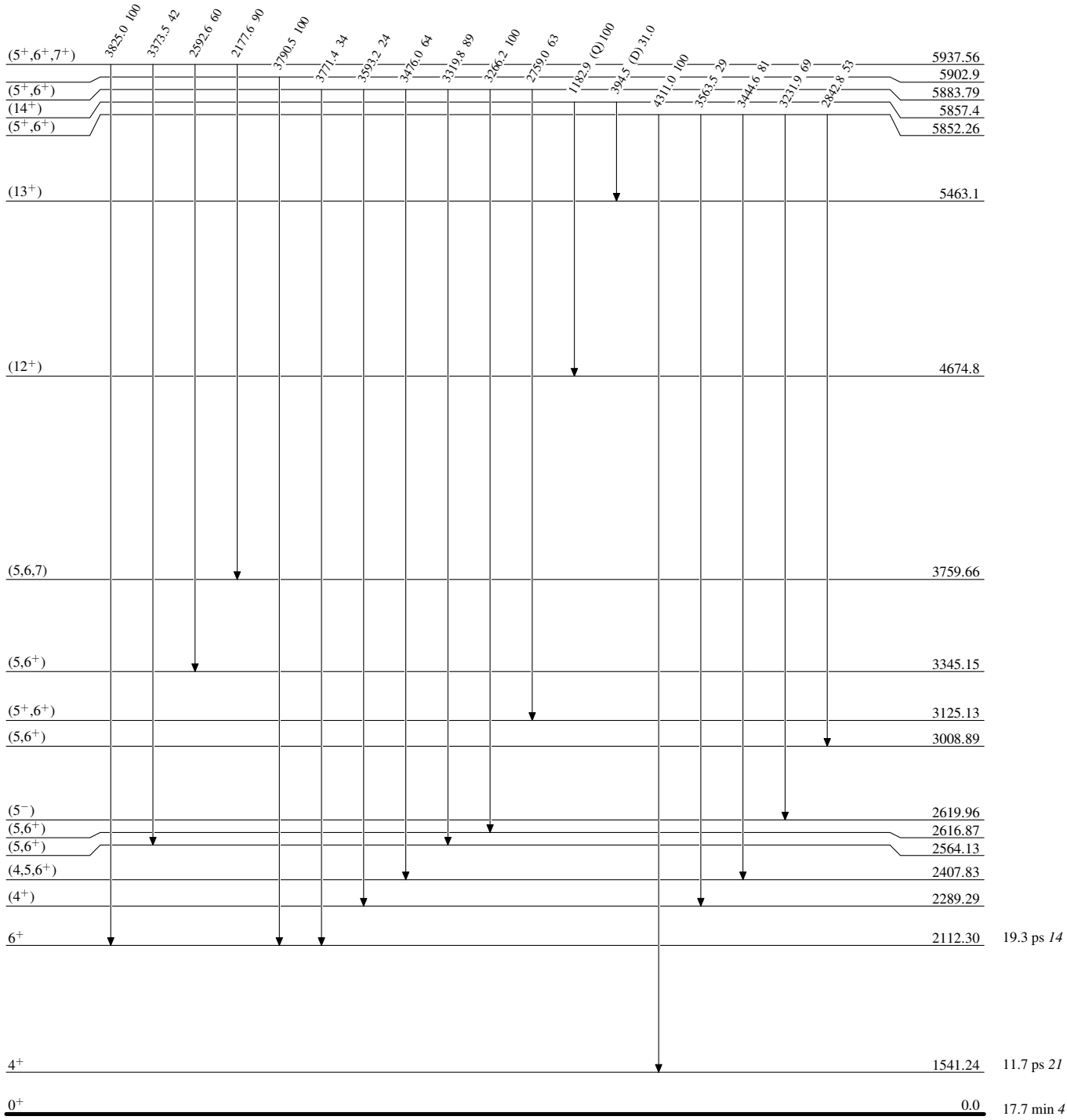
Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

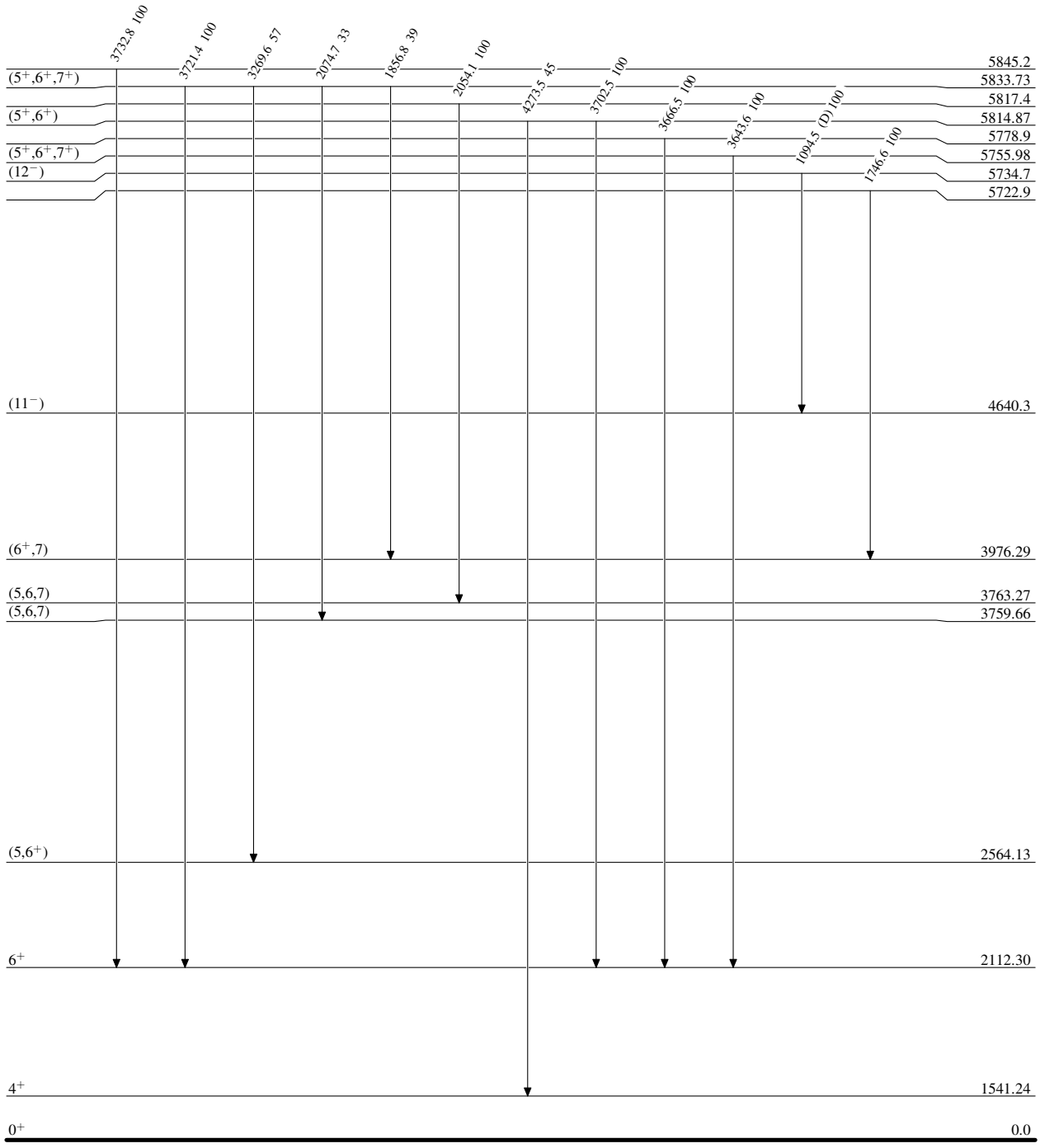


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

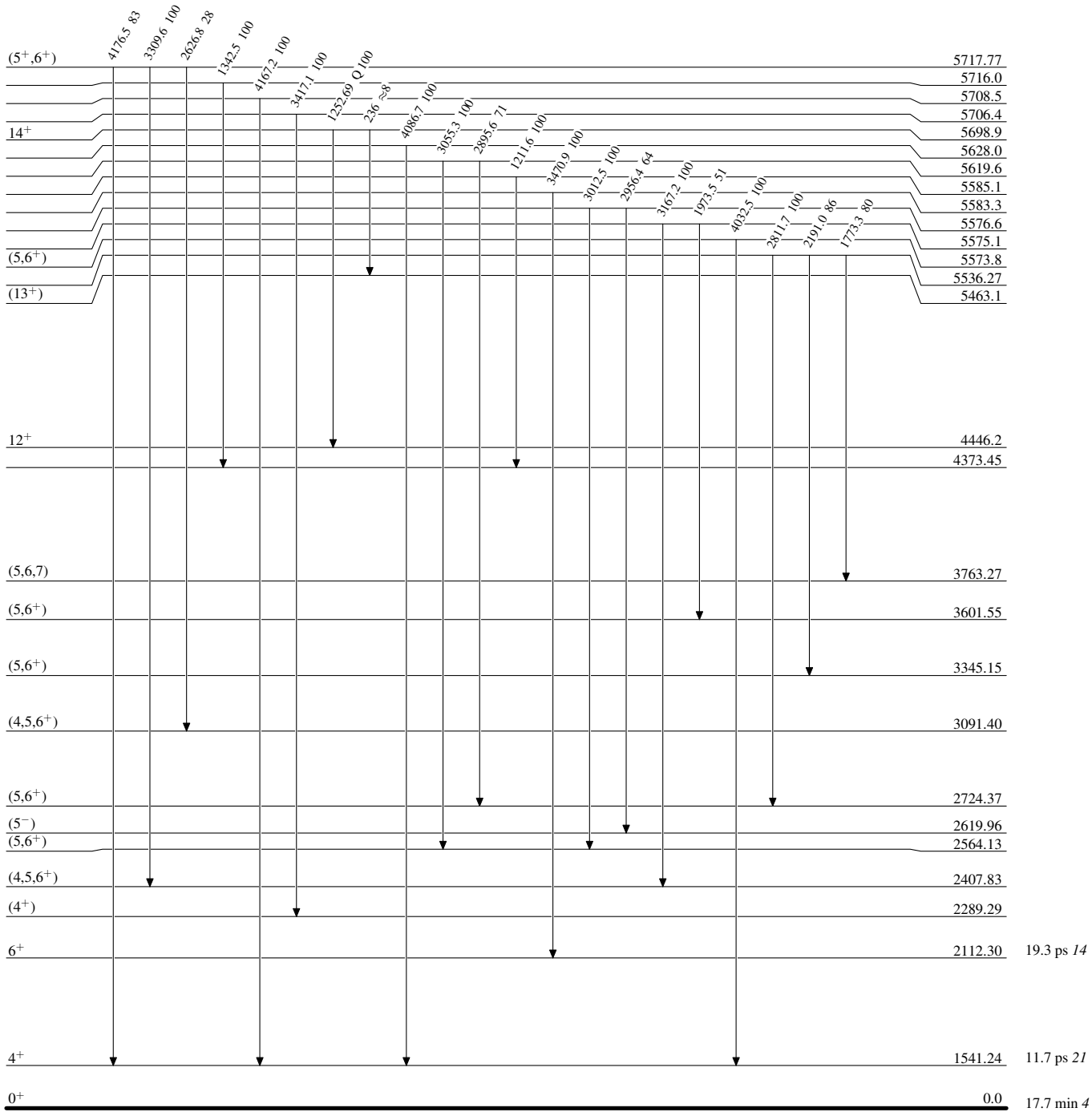


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

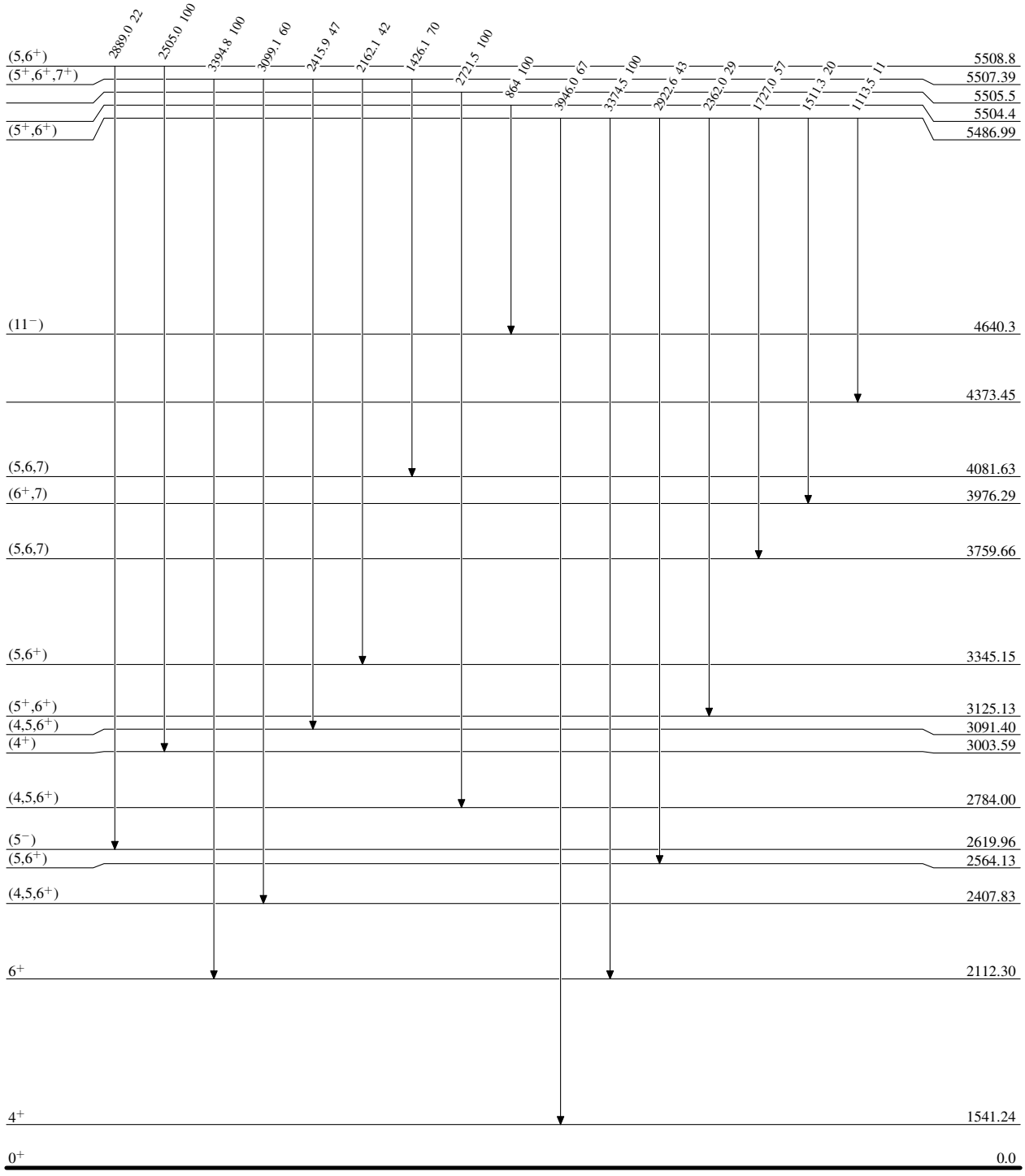


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

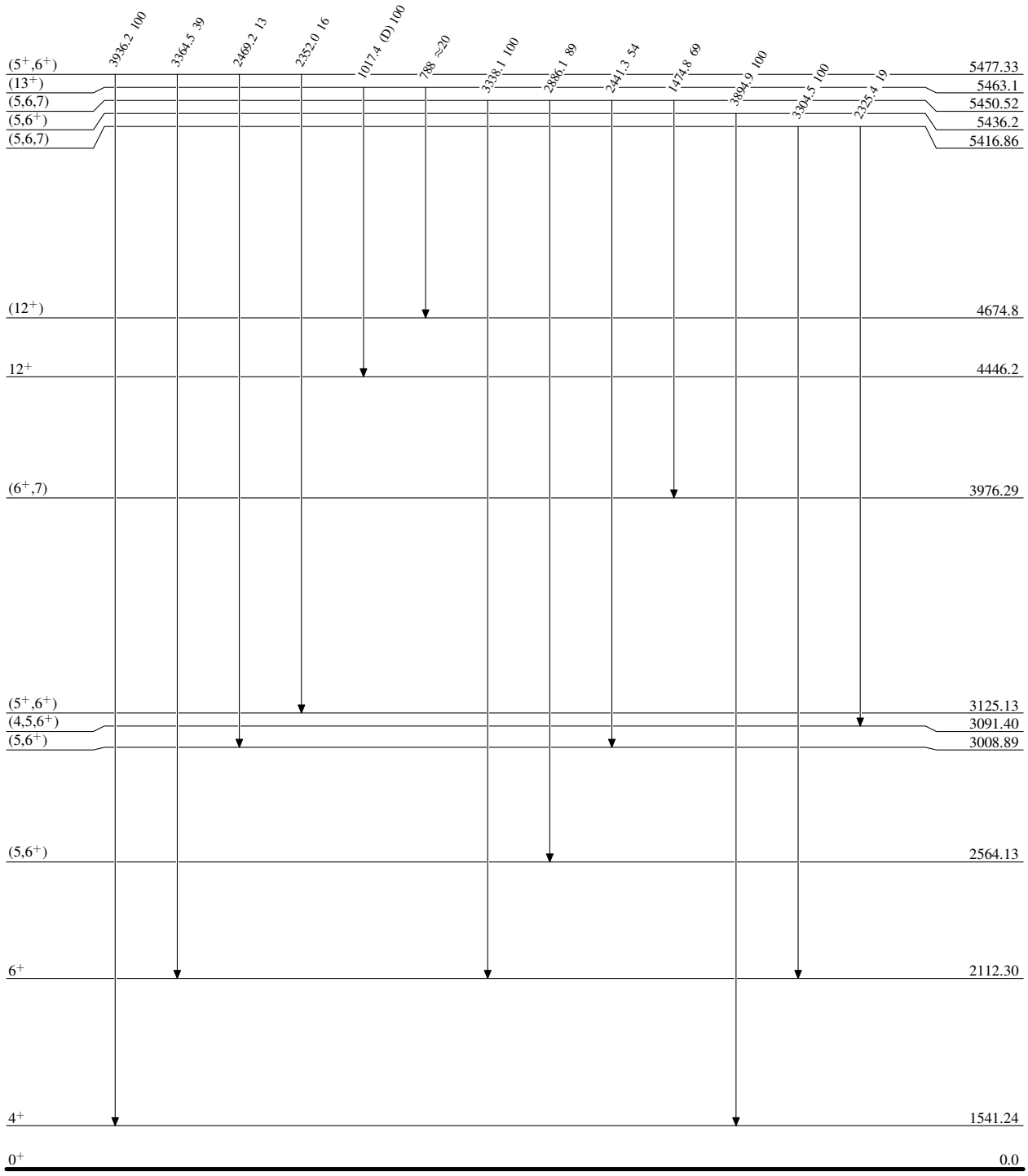
Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

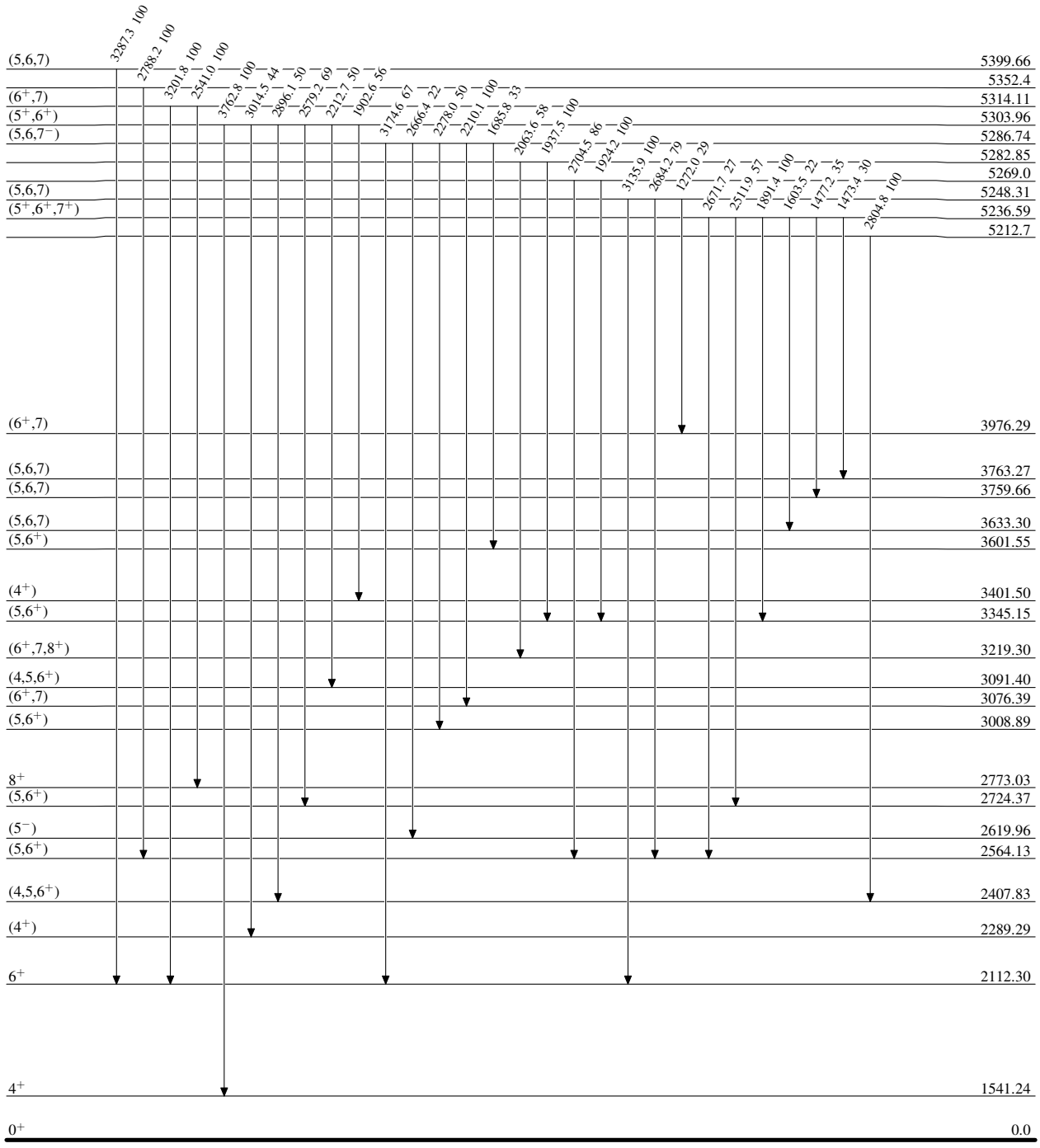


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

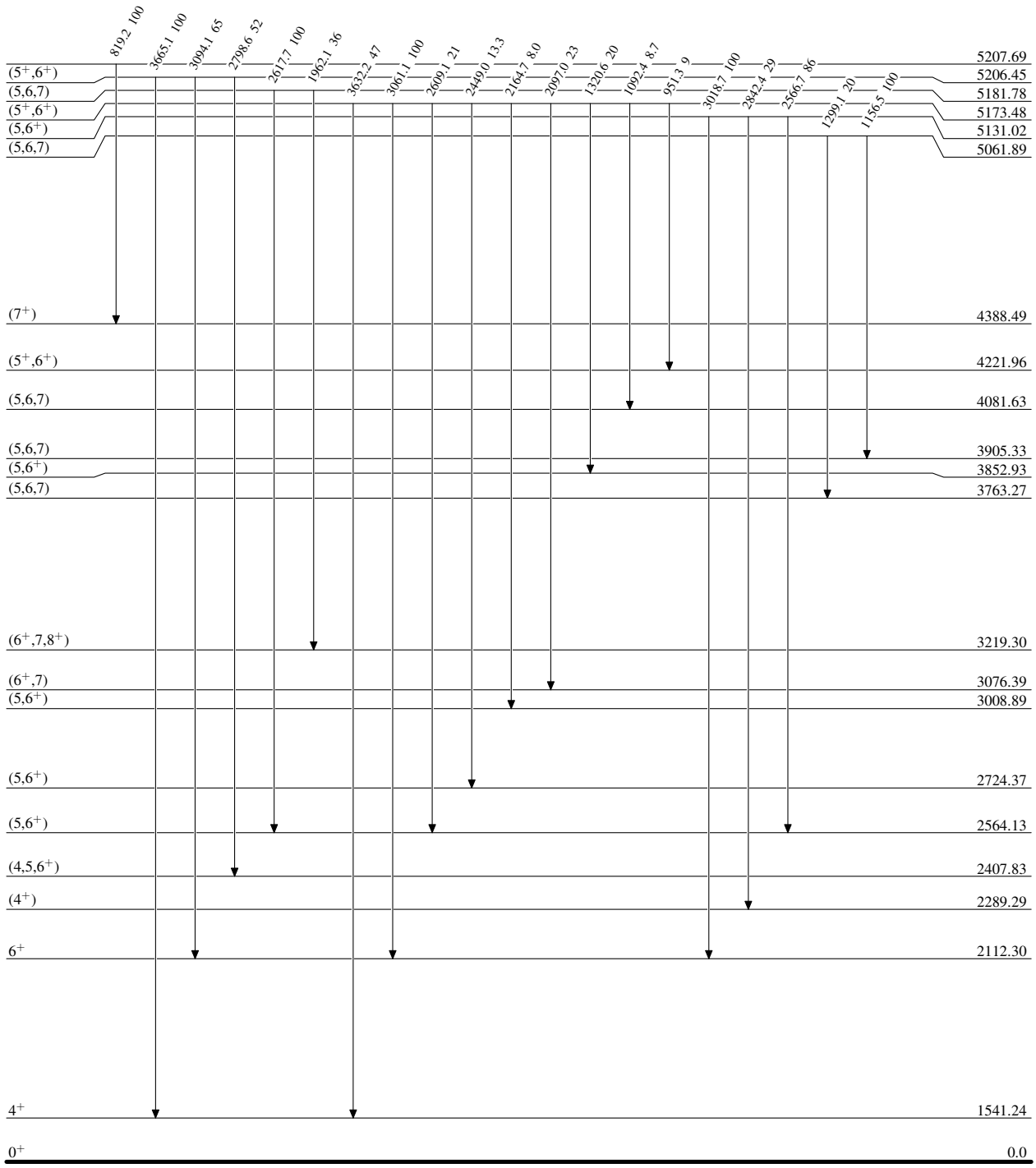


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

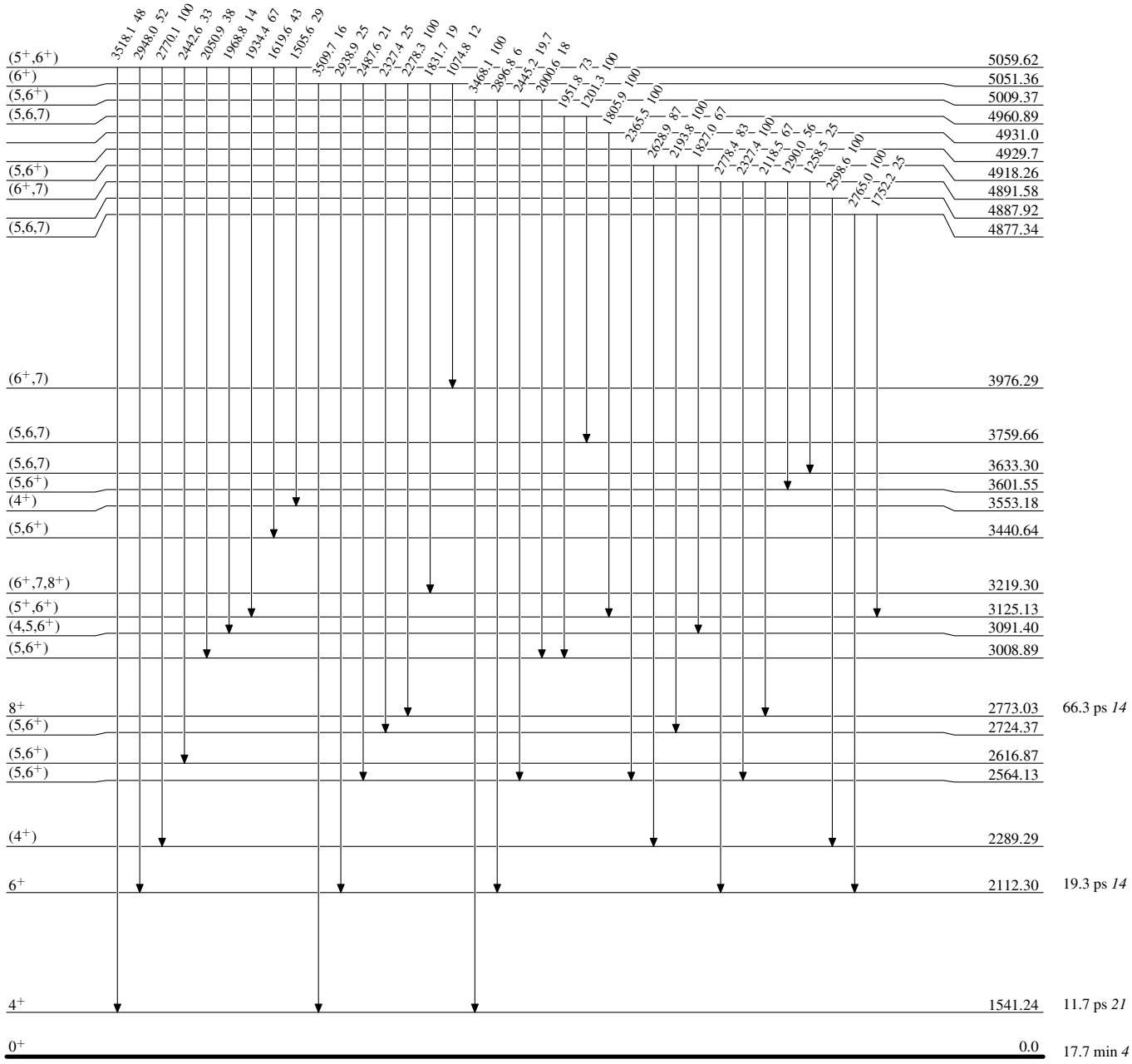


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

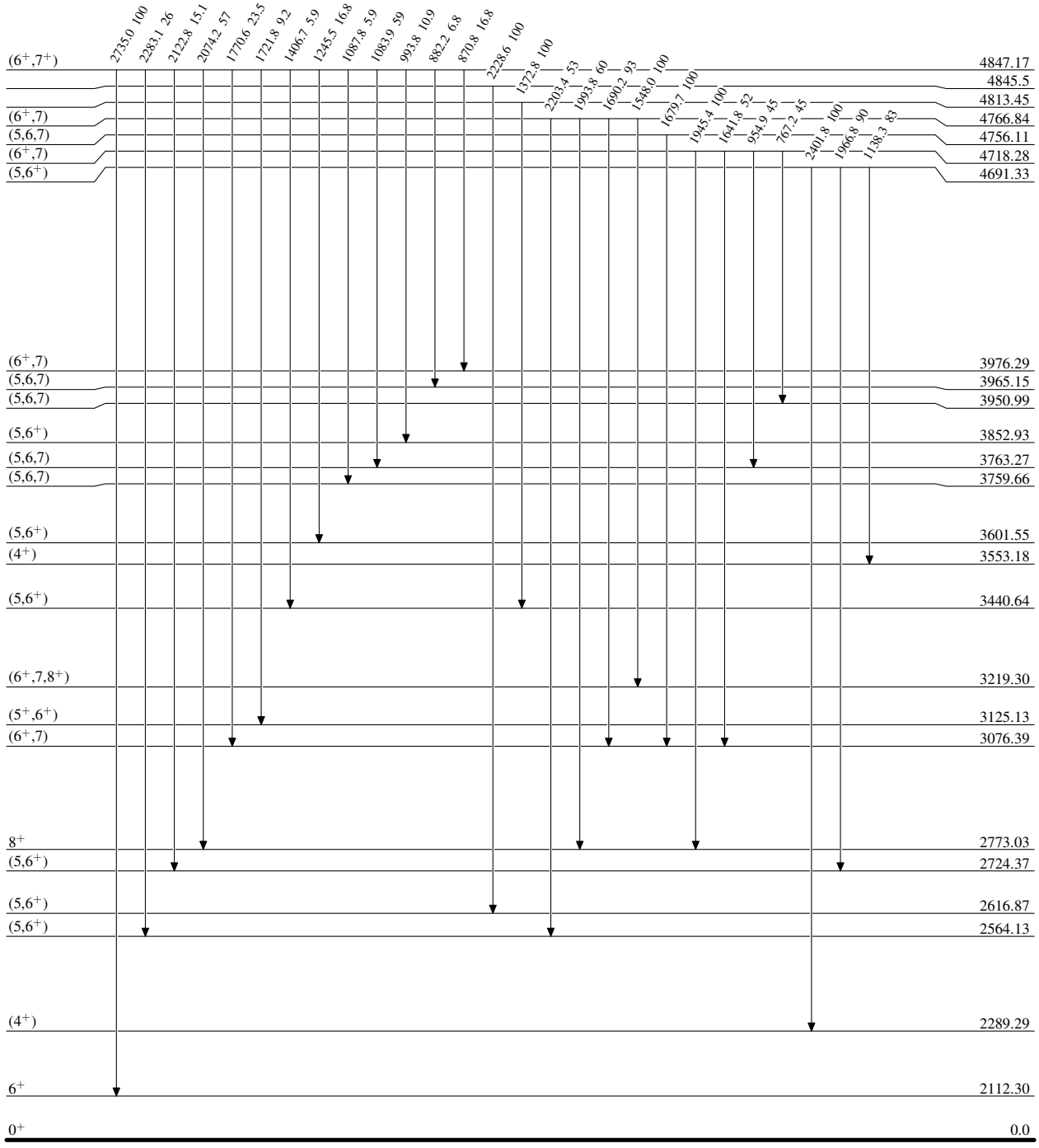


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

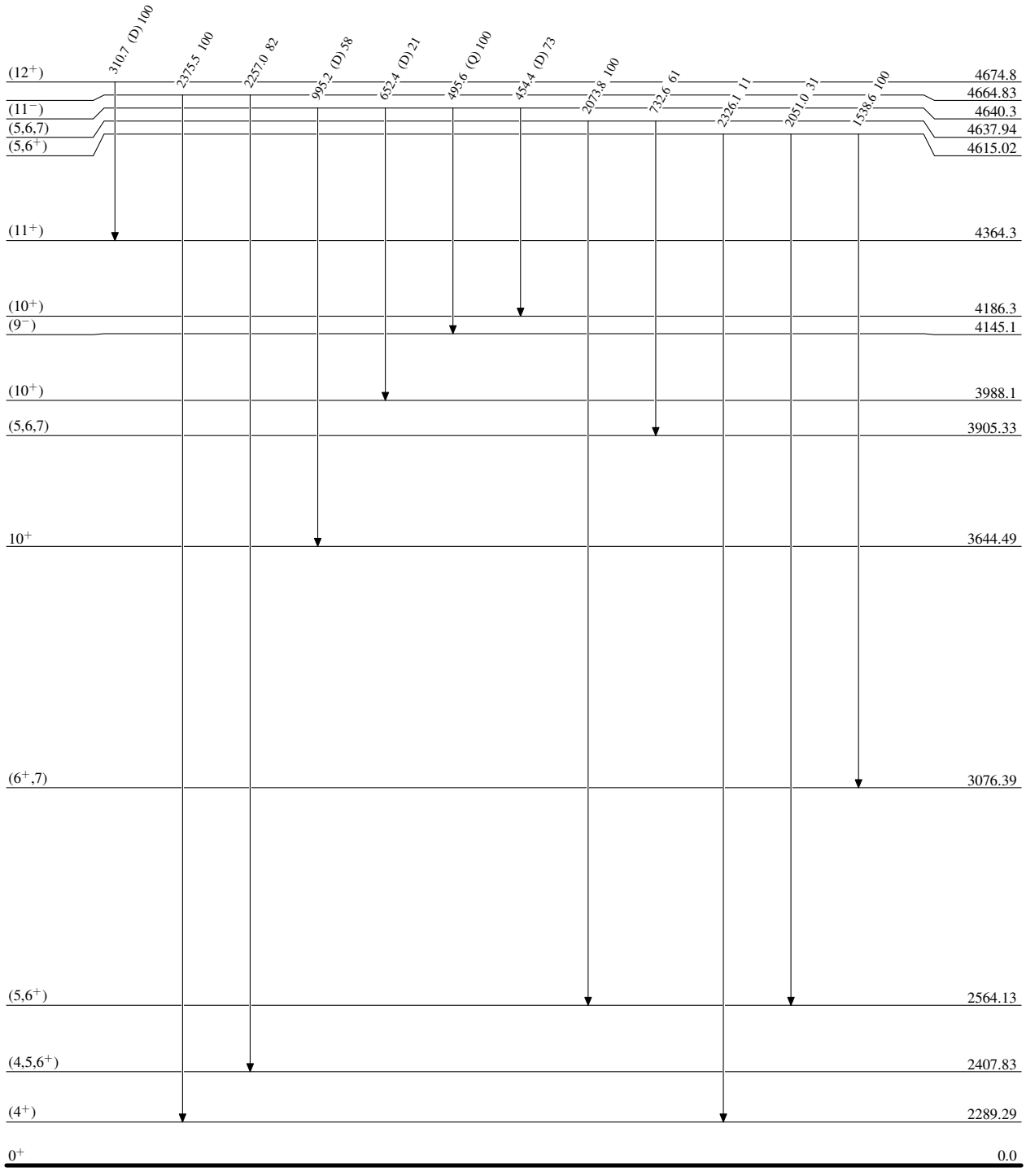


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

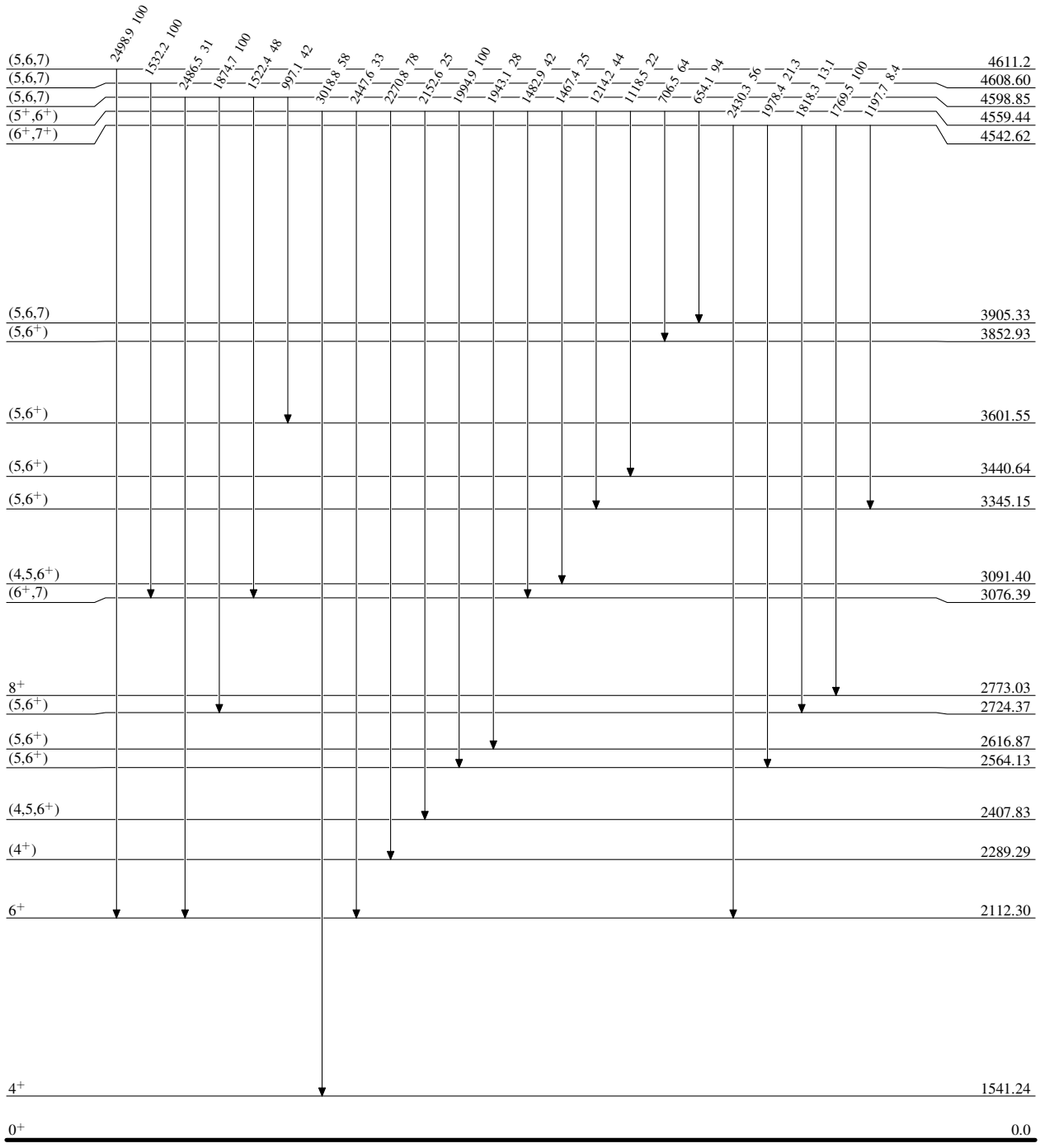


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

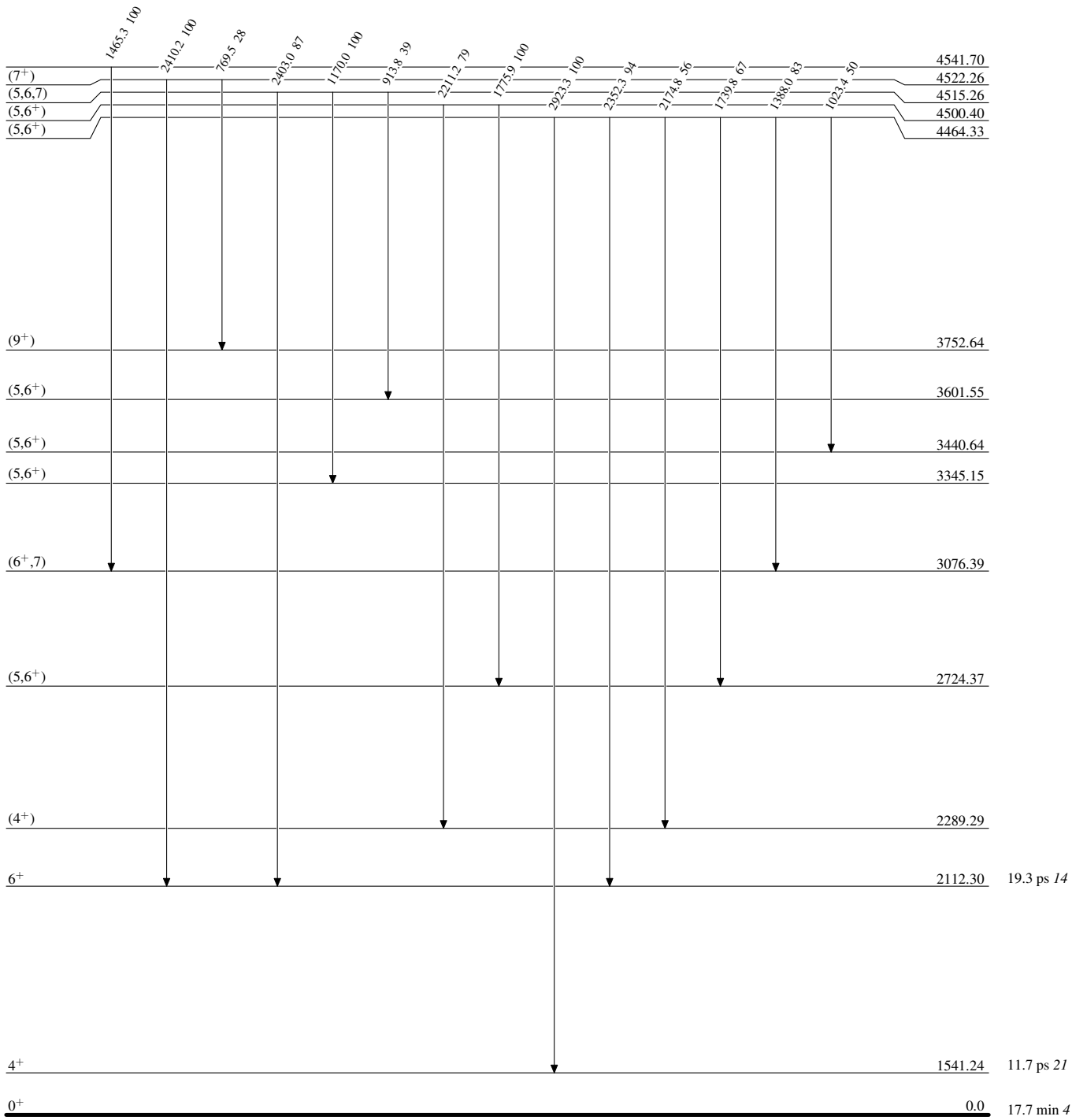


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

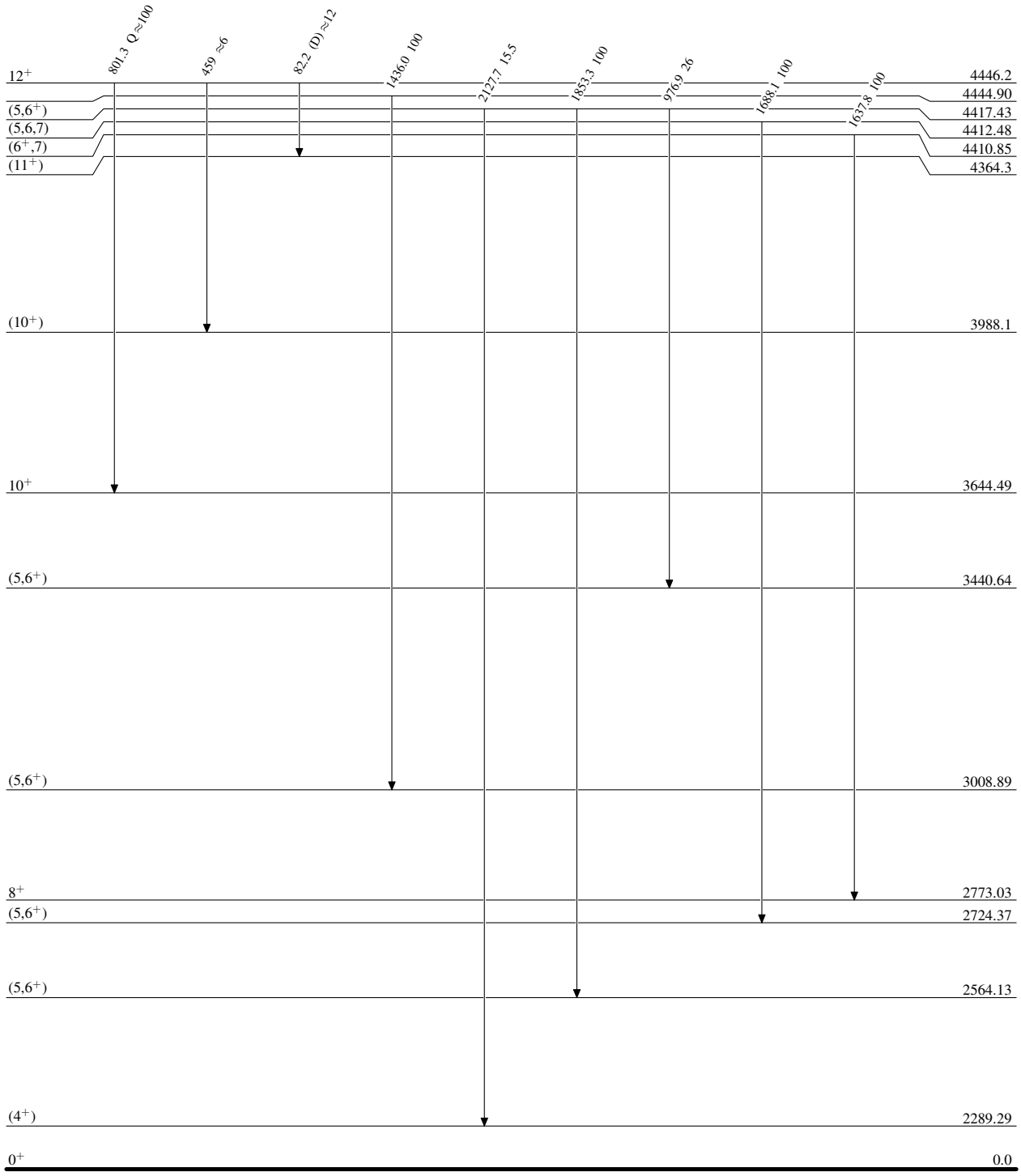


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

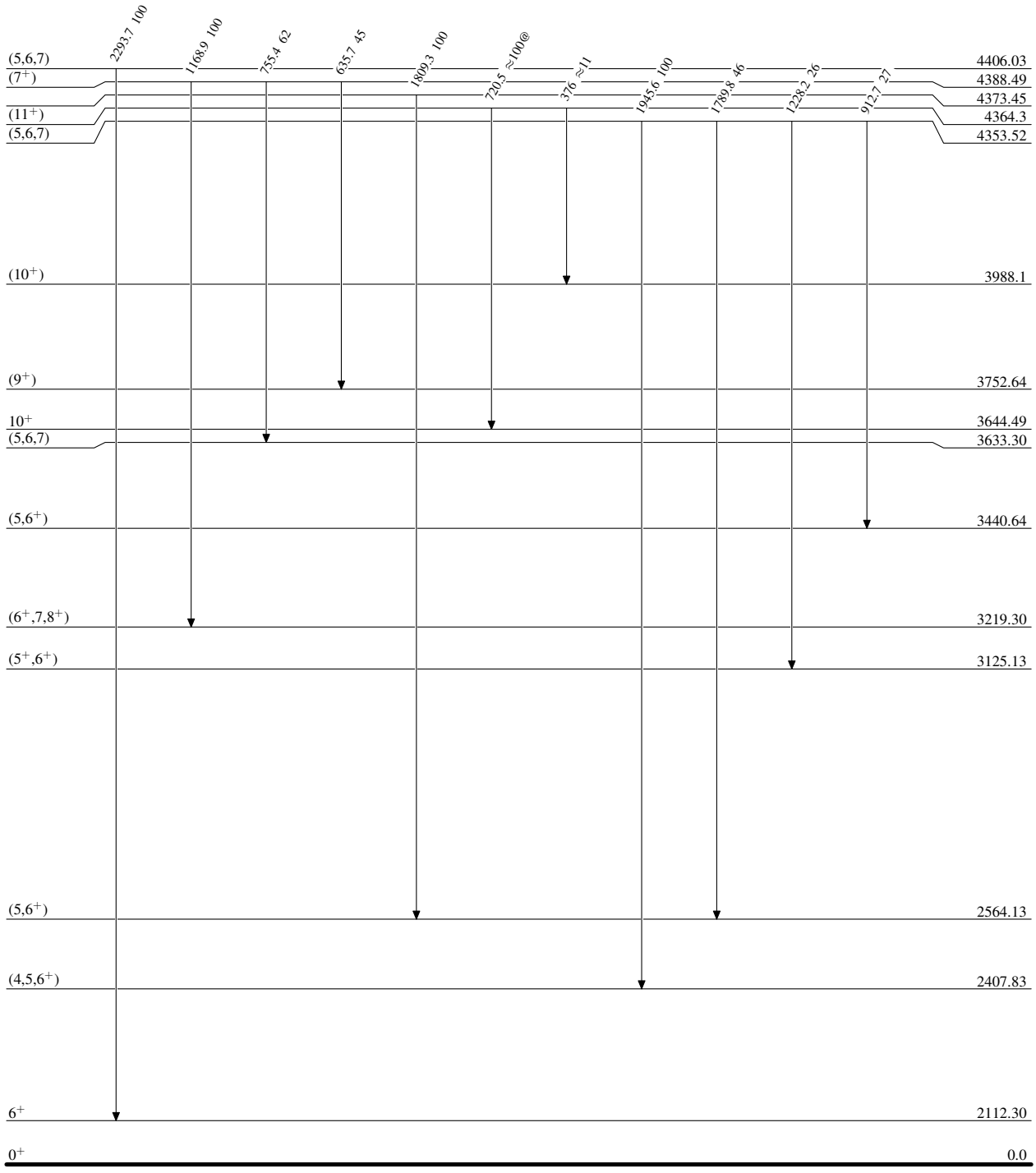


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



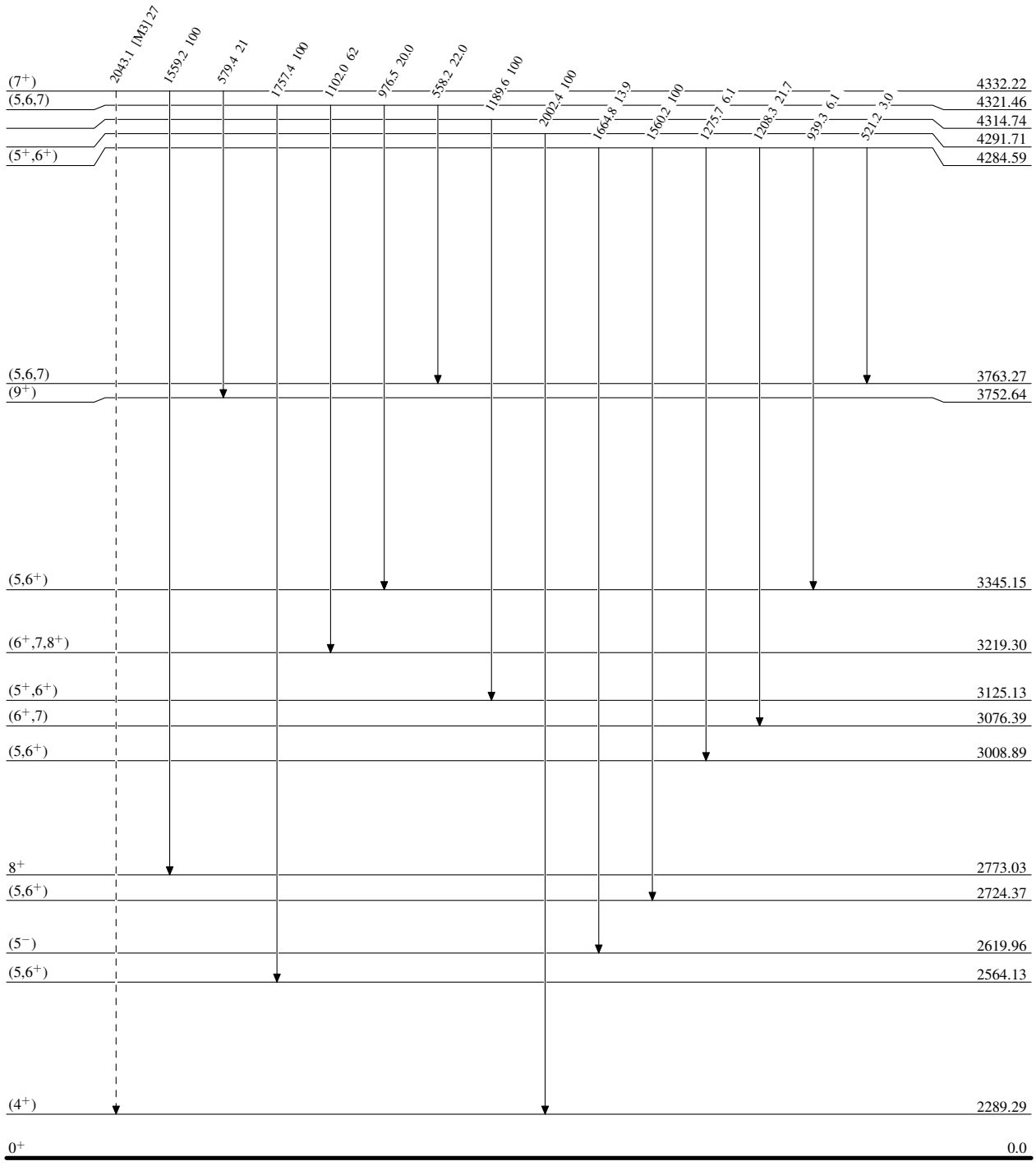
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)

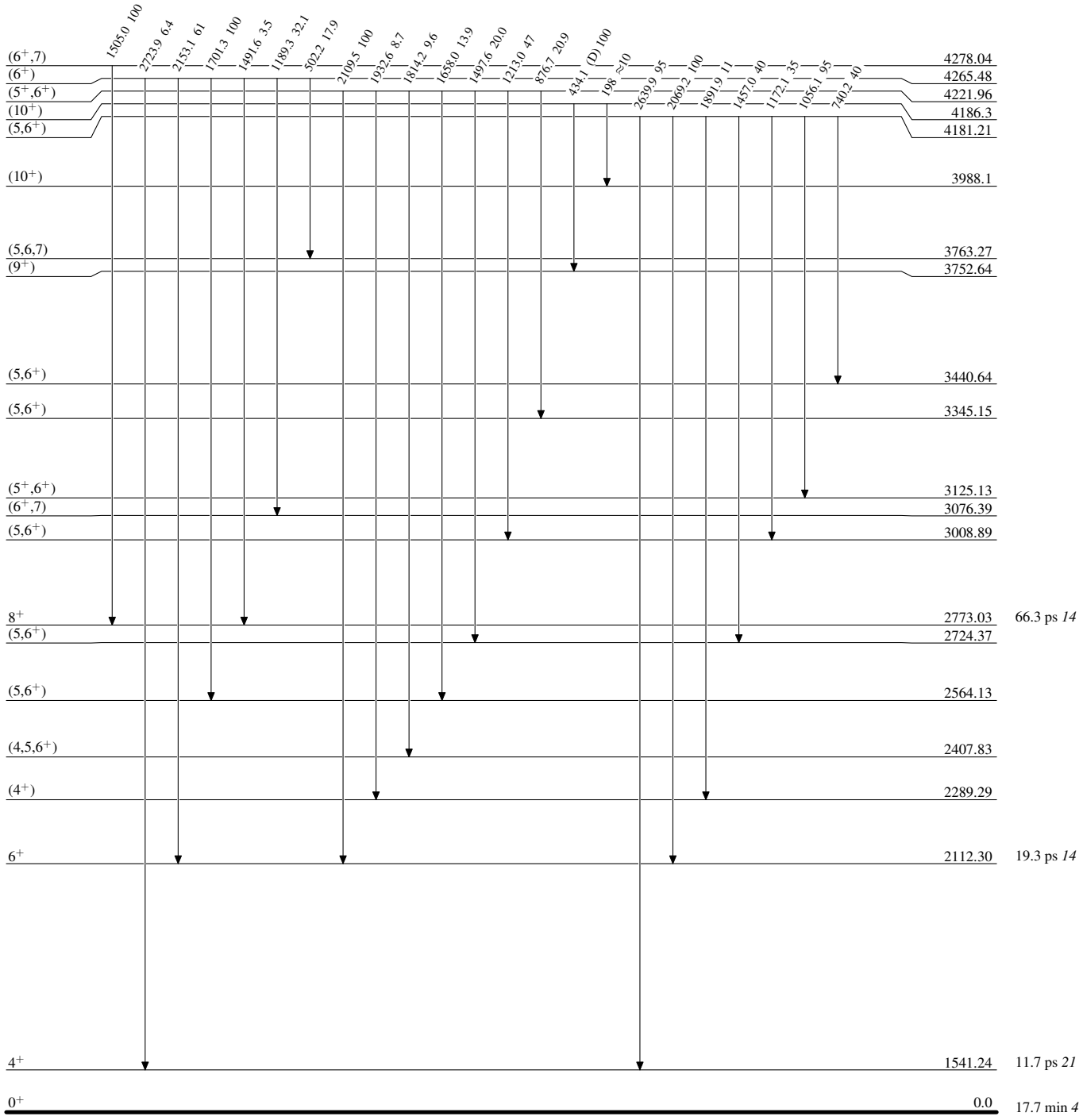


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

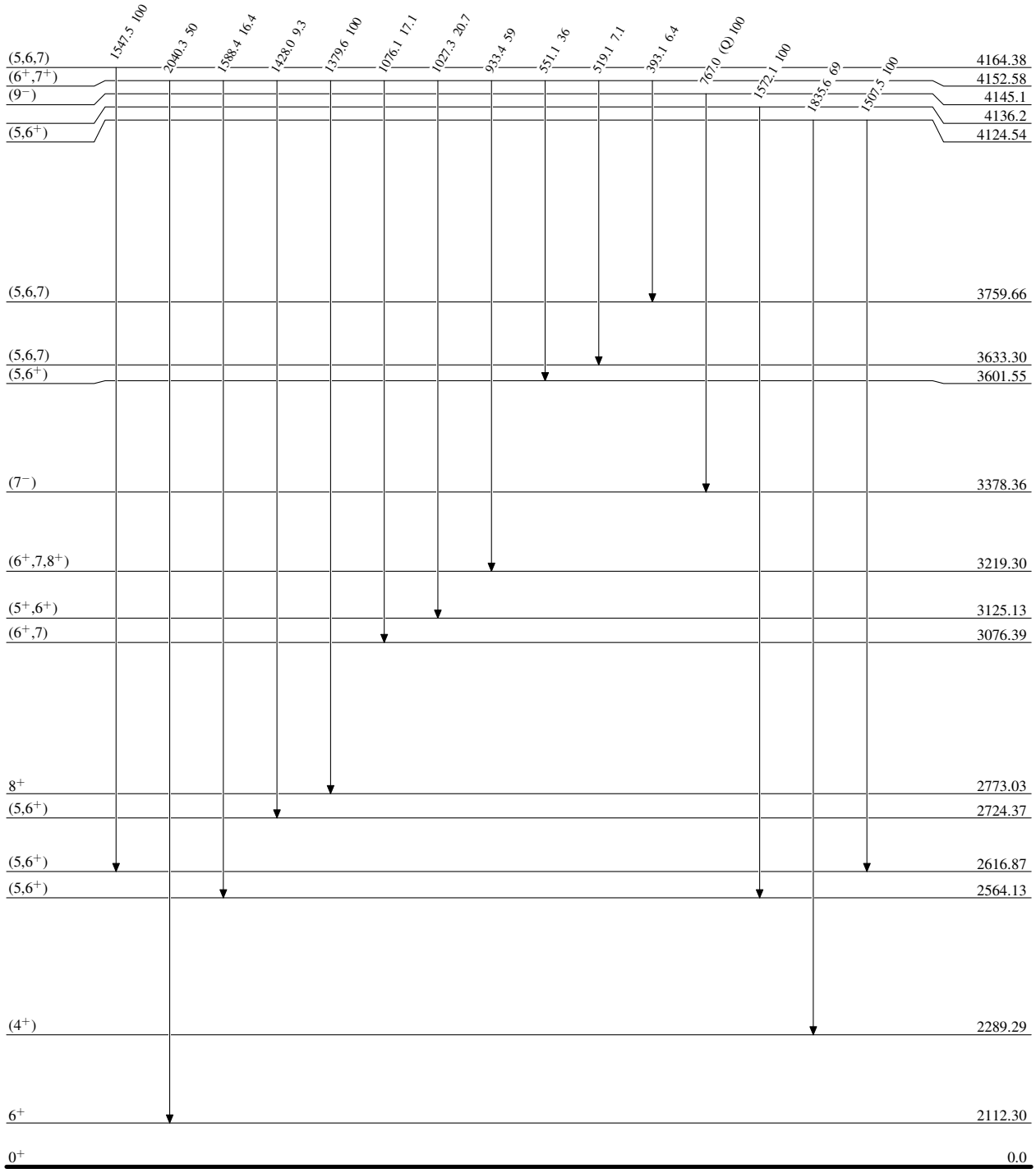


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

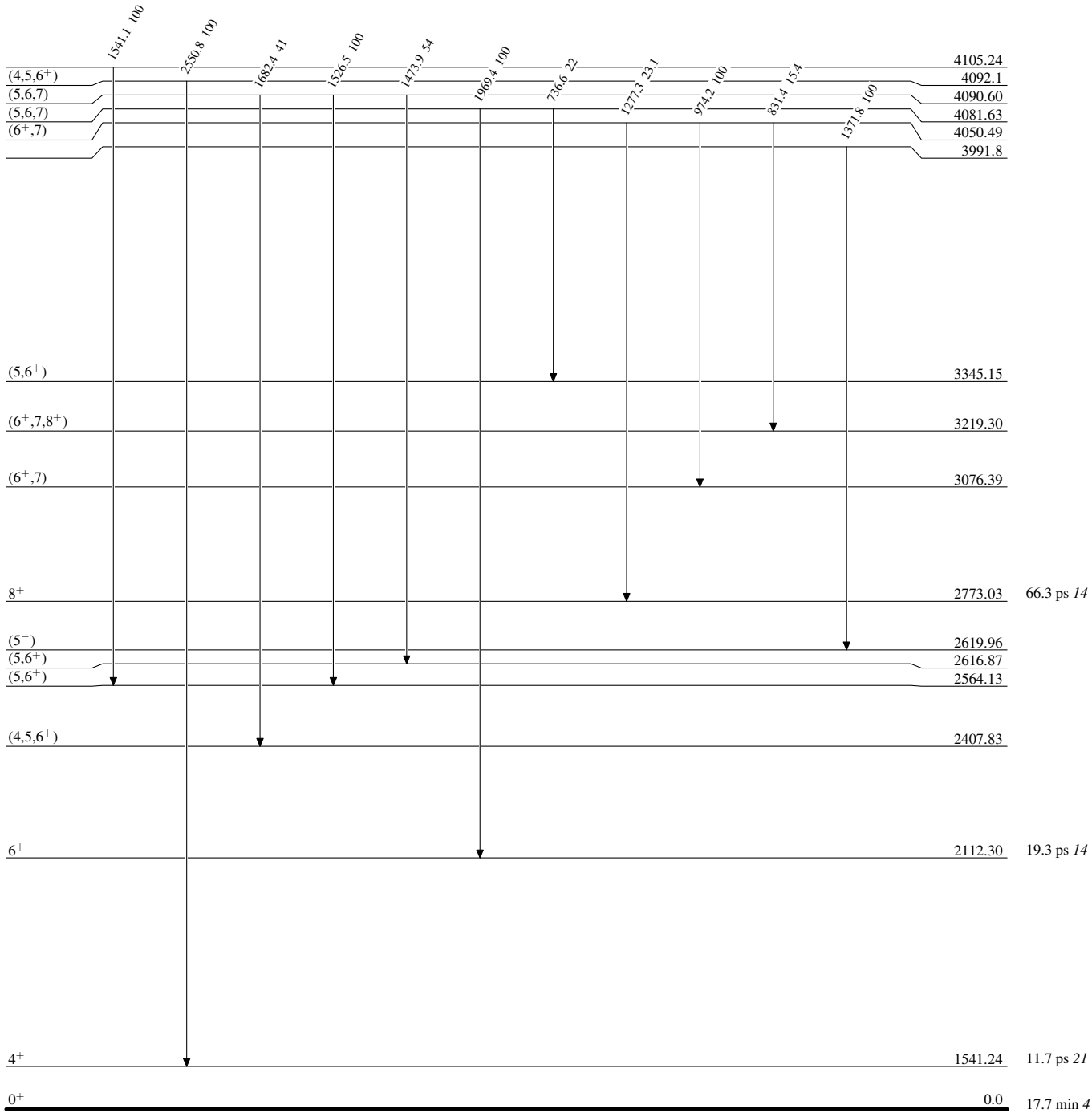


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

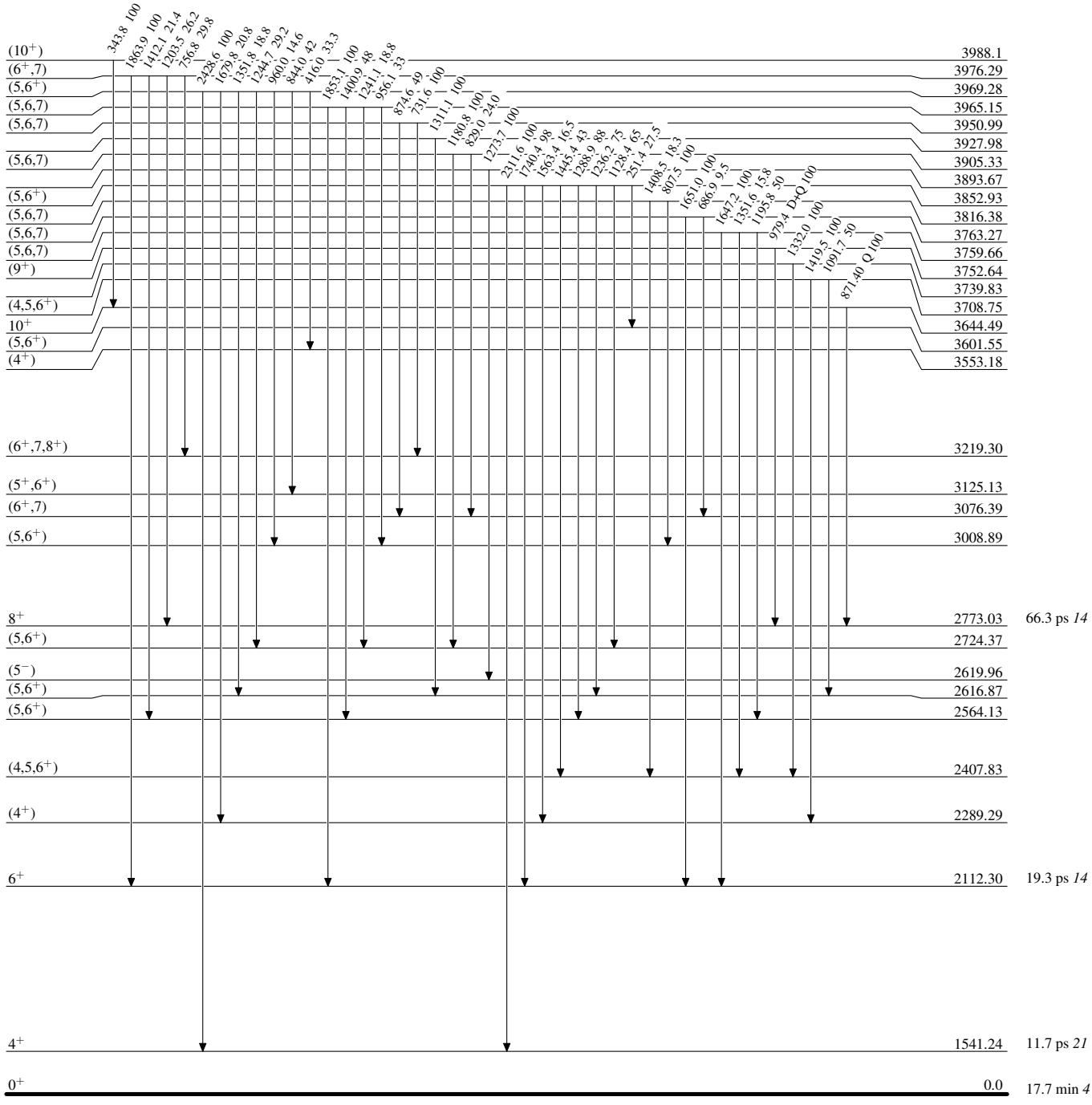


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

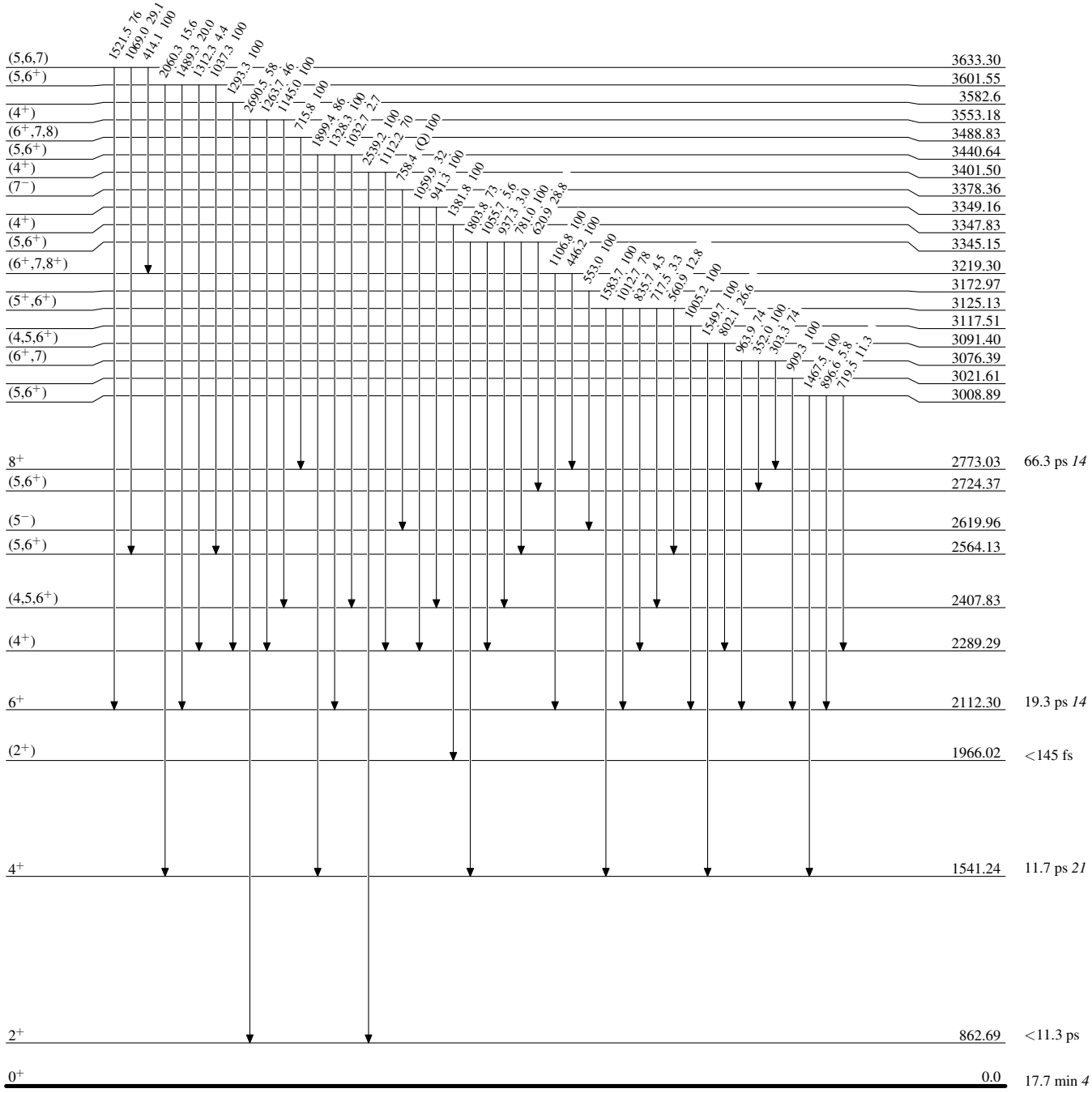


$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



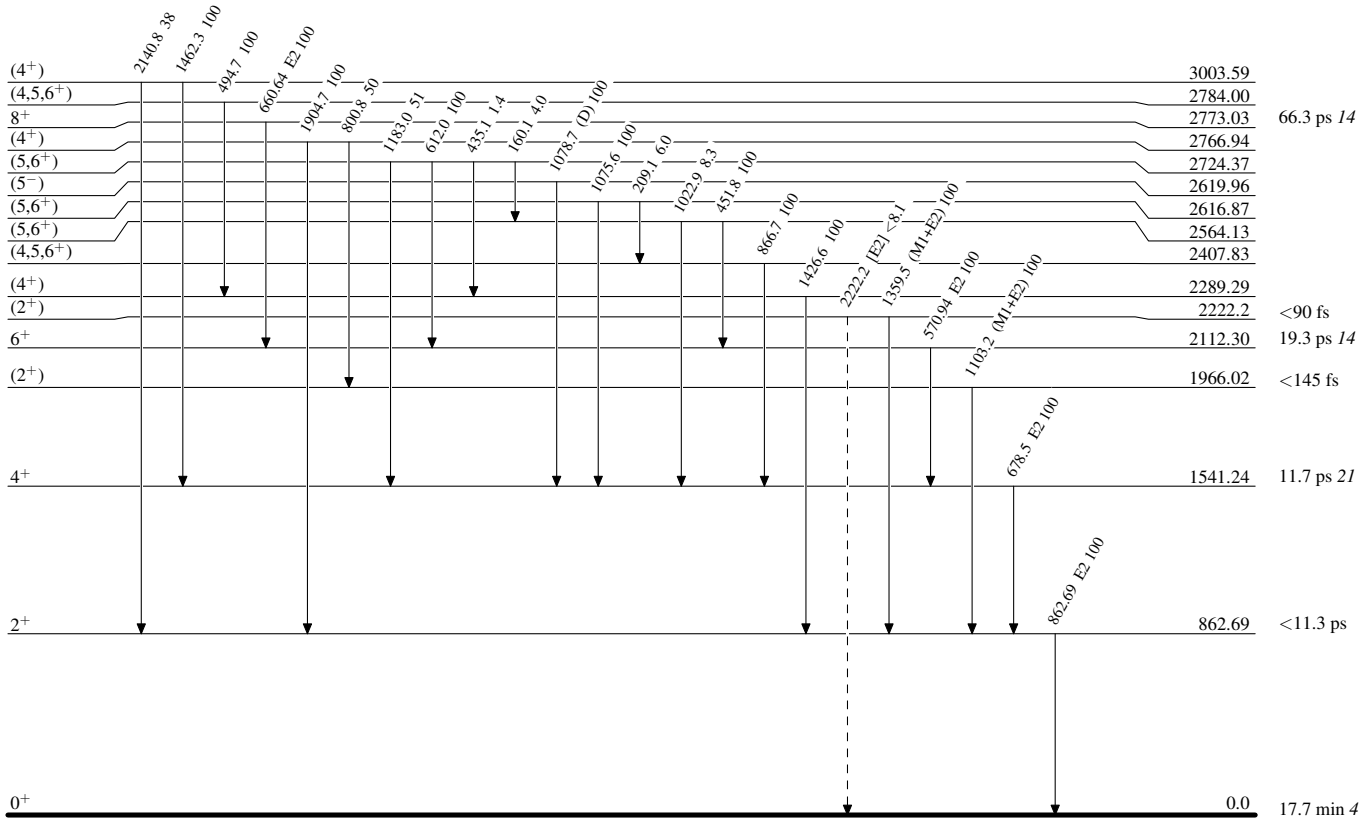
Adopted Levels, Gammas

Legend

Level Scheme (continued)

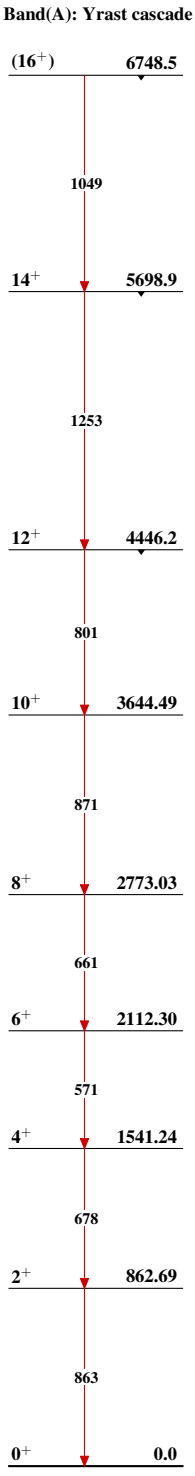
Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

- - - - - - ► γ Decay (Uncertain)



$^{98}_{46}Pd_{52}$

Adopted Levels, Gammas



$^{98}_{46}Pd_{52}$