Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	ENSDF	1-Jul-2008

Q(β^-)=−1918 *3*; S(n)=9223.2 *17*; S(p)=9949 *12*; Q(α)=−3856 *3* 2012Wa38
Note: Current evaluation has used the following Q record −1922 5 *9228* 5 *9950* 12-3860 5 2003Au03.

^{108}Pd Levels

Cross Reference (XREF) Flags

A	^{108}Rh β^- decay (16.8 s)	G	^{108}Pd(n,n′γ)	M	^{100}Mo(^{11}B,p2nγ)
B	^{108}Rh β^- decay (6.0 min)	H	^{108}Pd(p,p′)	N	(HI,xnγ)
C	^{108}Ag ε decay (2.382 min)	I	^{108}Pd(d,d′)	O	$\alpha\gamma(\mu^-$,xnypγ)
D	^{108}Ag ε decay (438 y)	J	Coulomb excitation	P	^{109}Ag(d,^{3}He)
E	^{106}Pd(t,p)	K	^{176}Yb(^{31}P,Xγ)	Q	^{110}Pd(pol p,t)
F	^{108}Pd(e,e′)	L	^{110}Pd(p,t)		

E(level)	J$^\pi$†	T$_{1/2}$	XREF	Comments
0#	0$^+$	stable	ABCDEFGHIJKLMNOP	For charge distribution parameters see (e,e) (1978Ar07).
433.938# *4*	2$^+$	23.9 ps *7*	ABCDEFGHIJKLMNOP	Q=−0.58 *4*; μ=+0.72 *6* J$^\pi$: L(t,p)=2. T$_{1/2}$: from B(E2) in Coulomb excitation. μ: from 1980Br01, 1989Ra17. Other: +0.64 *6* (1985ThZY). Q: from 1989Ra17. Other: −0.70 *27* (1981Ko06).
931.15^e *4*	2$^+$	6.2 ps *4*	ABC EFGHIJKLM OP	J$^\pi$: $\alpha,\gamma(\theta)$ in Coulomb excitation. T$_{1/2}$: weighted average of 6.8 ps 11 from B(E2) in Coulomb excitation, and 6.1 ps 4 from B(E2) in (e,e′).
1048.216# *6*	4$^+$	2.8 ps *3*	B D GHiJKlMNO	XREF: i(1050)l(1050). J$^\pi$: $\gamma\gamma(\theta)$, (pol $\gamma)(\theta)$ in 438-y ^{108}Ag(ε). T$_{1/2}$: from B(E2) in Coulomb excitation.
1052.78 *5*	0$^+$	4.0 ps *4*	A C E GHiJKlM P	XREF: i(1050)l(1050). E(level): transition not observed. Energy is from E(level) difference. J$^\pi$: L(t,p)=0. T$_{1/2}$: from B(E2) in Coulomb excitation.
1314.23 *6*	0$^+$	>25 ps	C GH KL P	T$_{1/2}$: from B(E2) in Coulomb excitation. J$^\pi$: $\gamma\gamma(\theta)$ in 2.382-min ^{108}Ag(ε). Excited in (p,t).
1335.25^f *6*	3$^+$		B G I K M	J$^\pi$: γ′s to 2$^+$. Not fed in decay of 2.382-min ^{108}Ag, J^π=1$^+$, or 438-y ^{108}Ag, J^π=6$^+$. Not seen in Coulomb excitation, (t,p), (p,p′) or (d,d′). Analogy to ^{104}Pd, ^{106}Pd in (n,n′γ) (1975Go11).
1441.18 *4*	2$^+$	4.8 ps +*12*−*10*	A C GHIJ	T$_{1/2}$: from B(E2) in Coulomb excitation. J$^\pi$: $\gamma\gamma(\theta)$ in 2.382-min ^{108}Ag(ε). log *ft*=5.4 from 1$^+$.
1539.96 *5*	(1$^+$,2$^+$)		A C GH L	J$^\pi$: log *ft*=6.1 from 1$^+$. γ to 0$^+$, γ to (3$^+$).
1624.16^e *21*	(4$^+$)	1.69 ps *20*	HIJ LM	T$_{1/2}$: from B(E2) in Coulomb excitation. J$^\pi$: multiple Coulomb excitation. Comparison with boson expansion model. γ to 2$^+$. Excited in (d,d′), (p,p′), (p,t).
1771.126# *11*	6$^+$	0.88 ps *10*	B D G IJK MN	T$_{1/2}$: from B(E2) in Coulomb excitation. J$^\pi$: $\gamma\gamma(\theta)$, (pol $\gamma)(\theta)$ in 438-y ^{108}Ag(ε).
1955.8 *6*	4$^+$	4.7 ps *18*	E J L	J$^\pi$: L(t,p)=4. T$_{1/2}$: from B(E2) in Coulomb excitation.
1989.86 *12*	(4$^+$)		E G	T$_{1/2}$: from B(E2) in Coulomb excitation. J$^\pi$: L(t,p)=(4). γ′s to 2$^+$,4$^+$.

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Adopted Levels, Gammas (continued)

^{108}Pd Levels (continued)

E(level)	J$^{\pi}$[†]	$T_{1/2}$	XREF	Comments
2015 *10*			E	
2046.65 *14*	3^-	<1 ps	EFGHIJ L	B(E3)↑=0.093 *26*; β_3=0.14 *1* J$^{\pi}$: L(p,p′)=3. $T_{1/2}$: from Doppler broadening in Coulomb excitation. B(E3)↑: from in Coulomb excitation for I(1612γ)=100%. β_3: from (p,p′).
2083.56[f] *12*	5^+		K M	
2098.67? *24*	$(1,2^+)$		G	J$^{\pi}$: γ′s to 0^+,2^+.
2141 *10*	(0^+)		E	J$^{\pi}$: L(t,p)=(0).
2218.00 *11*	2^+		E GH	J$^{\pi}$: L(t,p)=2.
2231.1 *5*			M	
2259.01[e] *20*	6^+		K M	
2281.21? *14*			G	
2282.43 *10*			K M	
2282.53 *11*			B GH M	
2324.39[a] *9*	5^-		E H K MN	J$^{\pi}$: L(t,p)=5.
2362 *10*	(2^+)		E hI	J$^{\pi}$: L(t,p)=(2).
2391.42 *23*	2^+		E Gh	J$^{\pi}$: L(t,p)=2.
2397.4 *4*	(8^+)		N	
2404.1? *3*			G	
2418 *10*			E	
2421.2 *10*	(6^+)	1.01 ps *+43−10*	J	$T_{1/2}$,J$^{\pi}$: from B(E2) in Coulomb excitation.
2466 *10*	4^+		E h	XREF: h(2470). J$^{\pi}$: L(t,p)=4.
2471.8 *5*			M	
2477.57 *24*	(2^+)		Gh	XREF: h(2470). J$^{\pi}$: γ′s to 0^+ and 4^+.
2528.33 *20*			M	
2530.22 *19*			M	
2531 *10*	$4^-,5^-$		KL	J$^{\pi}$: L(d,^{3}He)=4 and assumption of g9/2 pickup.
2536.1 *3*			B H	
2540.2 *3*	4^+		E G I	J$^{\pi}$: L(t,p)=4.
2548.39[#] *10*	8^+	0.44 ps *5*	JK MN	$T_{1/2}$: from B(E2) in Coulomb excitation.
2578 *10*			E	
2637 *10*	4^+		E H	J$^{\pi}$: L(t,p)=4.
2671.33[d] *20*	(5^+)		M	
2691 *10*	(5^-)		E h	J$^{\pi}$: L(t,p)=(5).
2709.48[&] *8*	$6^{(-)}$[‡]		K M	
2720.0 *3*	2^+		E Gh	J$^{\pi}$: L(t,p)=2.
2761.24[a] *7*	7^-		K MN	
2790 *20*			H L	
2842.03[c] *7*	7^-		K M	
2863.70 *18*	$(4^+,5^+,6^+)$		B E K	J$^{\pi}$: γ′s to (4^+), 4^+ and 6^+. Logft=4.9 from (5^+).
2888.3 *4*			GH	
2918.56[f] *23*	(7^+)		M	
2940 *20*			HI	
2953.65[e] *19*	(8^+)		K M	
2969 *20*	$4^-,5^-$		K	J$^{\pi}$: L(d,^{3}He)=4 and assumption of g9/2 pickup.
3050 *20*			H L	
3088.89[b] *9*	$8^{(-)}$		K M	
3100.25[&] *8*	$8^{(-)}$[‡]		K M	
3110.7[d] *3*	(7^+)		M	
3140 *20*			H	

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Adopted Levels, Gammas (continued)

^{108}Pd Levels (continued)

E(level)	J^{π}[†]	XREF
3257.01[@] *13*	10^+	K MN
3280.24[a] *12*	9^-	K MN
3286.64 *12*		
3350.89[#] *14*	10^+	MN
3420.24[c] *15*	9^-	M
3423.8 *3*		M
3727.35[&] *13*	$10^{(-)}$[‡]	K M
3748.5[d] *3*	(9^+)	M
3789.7[e] *3*	(10^+)	M
3793.69[b] *22*	$10^{(-)}$	K M
3798.31[@] *17*	12^+	K M
3859.0 *3*		M
3963.94[a] *16*	11^-	K MN
4120.4 *3*	(11)	M
4158.7[#] *9*	12^+	K MN
4194.7[c] *3*	11^-	M
4377.70 *24*	(11)	M
4492.86[&] *16*	$12^{(-)}$[‡]	K M
4528.5[d] *10*	(11^+)	M
4642.40[@] *19*	14^+	K MN
4684.3[b] *5*	(12^-)	M
4710.9 *3*	(13)	M
4777.7[a] *3*	(13^-)	K MN
4976.60[#] *20*	14^+	K MN
5132.4 *3*		M
5325.8[&] *3*	(14^-)[‡]	M
5370.9[d] *15*	(13^+)	M
5608.1 *4*		M
5632.0[a] *3*	(15^-)	M
5691.91[@] *22*	16^+	K MN
6225.2[&] *8*	(16^-)[‡]	M
6517.3[a] *4*	(17^-)	M
6827.9[@] *10*	18^+	MN

[†] J^{π} without comments are based on band structure and decay pattern.
[‡] Tentative negative parity assignment based on systematic of even-mass isotopes of palladium.
[#] Band(A): g.s., yrast band.
[@] Band(B): 10^+ band.
[&] Band(C): $\nu h_{11/2}\otimes\nu(g_{7/2},d_{5/2})$, α=0.
[a] Band(c): $\nu h_{11/2}\otimes\nu(g_{7/2},d_{5/2})$, α=1.
[b] Band(D): $\nu h_{11/2}\otimes\nu(g_{7/2},d_{5/2})$, α=0.
[c] Band(d): $\nu h_{11/2}\otimes\nu(g_{7/2},d_{5/2})$, α=1.
[d] Band(E): (5^+) band, α=1. Tentatively based on second lowest ($\nu h_{11/2}$) excitation.
[e] Band(F): γ vibrational band, α=0.
[f] Band(f): γ vibrational band, α=1.

Adopted Levels, Gammas (continued)

$\gamma(^{108}Pd)$

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.	δ	α[a]	$I_{(\gamma+ce)}$	Comments
433.938	2^+	433.937 *4*	100	0	0^+	[E2]		0.0091		B(E2)(W.u.)=50.4 *15*
931.15	2^+	497.22 *7*	100.0 *15*	433.938	2^+	M1+E2	−3.1 *4*	0.0061		B(M1)(W.u.)=0.0022 *6*; B(E2)(W.u.)=72 *6* Mult.: D+Q from $\gamma\gamma(\theta)$ in Coulomb excitation. RUL. δ: from $\gamma\gamma(\theta)$ in Coulomb excitation.
		931.15 *10*	24.1 *18*	0	0^+	[E2]				B(E2)(W.u.)=0.83 *9*
1048.216	4^+	117[#]	0.0004[@]	931.15	2^+	[E2]		0.801		B(E2)(W.u.)=1.21 *14*
		614.276 *4*	100	433.938	2^+	E2				B(E2)(W.u.)=76 *9* Mult.: from $\gamma\gamma(\theta)$ and (pol γ)(θ) in 438-y $^{108}Ag(\varepsilon)$.
1052.78	0^+	122[#]	0.027[@]	931.15	2^+	[E2]				B(E2)(W.u.)=47 *+5−11*
		618.84 *5*	100	433.938	2^+	[E2]				B(E2)(W.u.)=52 *5*
		1052.78		0	0^+				<0.0068	$I_{(\gamma+ce)}$: from 1987Es01. Transition not observed. Energy is from E(level) difference.
1314.23	0^+	383.2 *2*	20.9 *21*	931.15	2^+	[E2]		0.0134		B(E2)(W.u.)<16
		880.26 *7*	100	433.938	2^+	[E2]				B(E2)(W.u.)<1.2
1335.25	3^+	404.09 *9*	100 *7*	931.15	2^+	[E2]		0.0104 *10*		
		901.33 *9*	100 *5*	433.938	2^+	M1+E2	≤−5			δ: $\delta\le-5$ or $\delta\le0.2$; the latter value is less likely for positive mixing ratio.
1441.18	2^+	388.6 *4*	13 *4*	1052.78	0^+	[E2]		0.0128		B(E2)(W.u.)=35 *+14−15*
		393 *1*	<5	1048.216	4^+	[E2]				B(E2)(W.u.)=6 *+7−6* I_γ: estimated by evaluator from spectrum in ε decay where the insert in fig. 1 of 1973Si02 shows no evidence for a 393γ. This strongly suggests that the value of 25 *+6−4* in Coulomb excitation is too large.
		510.1 *2*	20 *5*	931.15	2^+					B(E2)(W.u.)=11 *+4−5* I_γ: average of <25 (ε decay) and >14 (Coul. ex.).
		1007.22 *5*	100 *5*	433.938	2^+					B(E2)(W.u.)=1.7 *+10−2*
		1441.14 *10*	25 *5*	0	0^+	[E2]				B(E2)(W.u.)=0.10 *+3−4* I_γ: weighted average of Iγ/Iγ (1007γ) from ε decay and (n,n′γ). E_γ: E=1441.60 *10* reported in (n,n′γ).
1539.96	$(1^+,2^+)$	204.5[c] *3*	13.8 *15*	1335.25	3^+	[E2]		0.110		
		225.6[c] *2*	17.3 *20*	1314.23	0^+	[E2]		0.078		
		608.73 *13*	34 *4*	931.15	2^+					
		1106.01 *6*	100 *7*	433.938	2^+					
		1540.03 *11*	53 *7*	0	0^+					I_γ: Iγ(1540γ)/Iγ(1106γ)=0.64 *9* in 2.382-min ^{108}Ag ε decay.
1624.16	(4^+)	184 *1*		1441.18	2^+	[E2]				B(E2)(W.u.)=3.6 *+27−11* Iγ=0.0085 *+64−26*.
		577 *1*	22 *3*	1048.216	4^+	[E2]				B(E2)(W.u.)=30 *7*
		694 *1*	100 *11*	931.15	2^+	[E2]				B(E2)(W.u.)=54 *11*
		1191 *1*	<7.8	433.938	2^+	[E2]				B(E2)(W.u.)=0.14 *14*

$\gamma(^{108}Pd)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.	Comments
1771.126	6^+	722.907 *10*	100 *2*	1048.216	4^+	E2	B(E2)(W.u.)=107 *13* Mult.: from $\gamma\gamma(\theta)$, (pol $\gamma)(\theta)$ in 438-y $^{108}Ag(\varepsilon)$.
1955.8	4^+	331		1624.16	(4^+)	[E2]	B(E2)(W.u.)=1.9 *+48−11* I_γ: Iγ=0.23 *+58−21*.
		908 *1*		1048.216	4^+	[E2]	B(E2)(W.u.)<1.8 I_γ: Iγ<34.
		1025		931.15	2^+	[E2]	B(E2)(W.u.)=2.9 *11* I_γ: Iγ=100 *+38−25*.
1989.86	(4^+)	548.2 *3*	37 *4*	1441.18	2^+		
		655.1 *3*	27 *4*	1335.25	3^+		
		941.65 *15*	100 *8*	1048.216	4^+		
		1058.6 *5*	20 *4*	931.15	2^+		
		1555.9 *6*	16 *3*	433.938	2^+		
2046.65	3^-	998[#]	<24[@]	1048.216	4^+		
		1115[#]	10[@] *10*	931.15	2^+		
		1612.72 *14*	100	433.938	2^+		B(E1)(W.u.)>6.2×10^{-5}
2083.56	5^+	313.1 *9*	17 *3*	1771.126	6^+		
		748.3 *1*	100 *7*	1335.25	3^+		
2098.67?	$(1,2^+)$	1664.8 *4*	54 *8*	433.938	2^+		
		2098.6 *3*	100 *12*	0	0^+		
2218.00	2^+	677.99 *13*	71 *5*	1539.96	$(1^+,2^+)$		Unplaced by authors in (n,n′γ). Placed by evaluators on the basis of energy fit.
		1164.9 *9*	8.1 *20*	1052.78	0^+		
		1287.7 *6*	13.4 *22*	931.15	2^+		
		1784.1 *2*	100 *10*	433.938	2^+		
2231.1		1182.9 *5*	100	1048.216	4^+		
2259.01	6^+	634.9 *1*	100 *6*	1624.16	(4^+)		
		1211.2 *5*	11 *3*	1048.216	4^+		
2281.21?		1350.1 *2*	57 *5*	931.15	2^+		
		1847.2 *2*	100 *11*	433.938	2^+		
2282.43		511.3 *1*	100	1771.126	6^+		
2282.53		947.27 *11*	100 *4*	1335.25	3^+		
		1234.2 *3*	20.6 *20*	1048.216	4^+		
2324.39	5^-	1276.7 *10*	100	1048.216	4^+		
2391.42	2^+	1460.4 *3*	100 *11*	931.15	2^+		
		1957.2[bc] *4*	61[b] *11*	433.938	2^+		
		2391.4 *7*	41 *8*	0	0^+		
2397.4	(8^+)	626.3 *4*	100	1771.126	6^+		
2404.1?		1970.1 *3*	100	433.938	2^+		
2421.2	(6^+)	797 *1*	100	1624.16	(4^+)	[E2]	B(E2)(W.u.)=57 *+6−25*
2471.8		847.6 *4*	100	1624.16	(4^+)		
2477.57	(2^+)	1429.5 *3*	79 *11*	1048.216	4^+		

$^{108}_{46}Pd_{62}$-5

Adopted Levels, Gammas (continued)

γ(^{108}Pd) (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.	Comments
2477.57	(2$^+$)	2044.4 *8*	33 *8*	433.938	2$^+$		
		2476.8 *5*	100 *11*	0	0$^+$		
2528.33		757.2 *2*	100	1771.126	6$^+$		
2530.22		205.6 *2*	58 *9*	2324.39	5$^-$		
		1482.9 *4*	100 *22*	1048.216	4$^+$		
2536.1		2102.2 *5*	100	433.938	2$^+$		
2540.2	4$^+$	1608.5 *5*	43 *9*	931.15	2$^+$		
		2106.4 *3*	100 *12*	433.938	2$^+$		
2548.39	8$^+$	777.2 *1*	100	1771.126	6$^+$	[E2]	B(E2)(W.u.)=148 *17*
2671.33	(5$^+$)	1623.1 *2*	100	1048.216	4$^+$		
2709.48	6$^{(-)}$	385.2 *1*	100 *7*	2324.39	5$^-$		
		938.2 *1*	96 *8*	1771.126	6$^+$		
2720.0	2$^+$	2286.0 *3*	100	433.938	2$^+$		
2761.24	7$^-$	436.8 *1*	17.3 *13*	2324.39	5$^-$		
		990.2 *1*	100 *5*	1771.126	6$^+$		
2842.03	7$^-$	132.8 *3*	6.0 *13*	2709.48	6$^{(-)}$		
		1070.9 *1*	100 *6*	1771.126	6$^+$		
2863.70	(4$^+$,5$^+$,6$^+$)	327.6[&] *3*	8.8[&] *15*	2536.1			
		581.1 *2*	100 *7*	2282.43			
		1092.7 *3*	7 *3*	1771.126	6$^+$		
2888.3		1957.2[b] *4*	92[b] *17*	931.15	2$^+$		
		2454 *1*	100 *17*	433.938	2$^+$		
2918.56	(7$^+$)	835.0 *2*	100	2083.56	5$^+$		
2953.65	(8$^+$)	694.7 *1*	100	2259.01	6$^+$		
3088.89	8$^{(-)}$	246.8 *1*	39 *4*	2842.03	7$^-$		
		327.7 *1*	100 *7*	2761.24	7$^-$		
3100.25	8$^{(-)}$	258.3 *1*	50 *4*	2842.03	7$^-$		
		339.0 *1*	81 *6*	2761.24	7$^-$		
		390.7 *1*	100 *7*	2709.48	6$^{(-)}$		
3110.7	(7$^+$)	439.4 *2*	100	2671.33	(5$^+$)		
3257.01	10$^+$	303.4 *2*	2.6 *4*	2953.65	(8$^+$)		
		708.6 *1*	100 *4*	2548.39	8$^+$		
3280.24	9$^-$	519.0 *1*	100	2761.24	7$^-$		
3286.64		525.4 *1*	100	2761.24	7$^-$		
3350.89	10$^+$	802.5 *1*	100	2548.39	8$^+$		
3420.24	9$^-$	578.2 *2*	89 *14*	2842.03	7$^-$		
		659.0 *2*	100 *16*	2761.24	7$^-$		
3423.8		875.4 *3*	100	2548.39	8$^+$		
3727.35	10$^{(-)}$	627.1 *1*	100	3100.25	8$^{(-)}$		
3748.5	(9$^+$)	637.8 *2*	100	3110.7	(7$^+$)		
3789.7	(10$^+$)	836.3 *3*	100 *21*	2953.65	(8$^+$)		

Adopted Levels, Gammas (continued)

$\gamma(^{108}Pd)$ (continued)

E_i(level)	J^π_i	E_γ †	I_γ ‡	E_f	J^π_f
3789.7	(10^+)	1240.7 *5*	$9.\times10^1$ *3*	2548.39	8^+
3793.69	$10^{(-)}$	373.6 *14*	14 *3*	3420.24	9^-
		704.8 *2*	100 *10*	3088.89	$8^{(-)}$
3798.31	12^+	541.3 *1*	100	3257.01	10^+
3859.0		572.4 *3*	100	3286.64	
3963.94	11^-	683.7 *1*	100	3280.24	9^-
4120.4	(11)	863.4 *3*	100	3257.01	10^+
4158.7	12^+	807.8 *9*	100	3350.89	10^+
4194.7	11^-	774.5 *2*	100	3420.24	9^-
4377.70	(11)	1026.8 *2*	100	3350.89	10^+
4492.86	$12^{(-)}$	765.5 *1*	100	3727.35	$10^{(-)}$
4528.5	(11^+)	780.0 *9*	100	3748.5	(9^+)
4642.40	14^+	844.1 *1*	100	3798.31	12^+
4684.3	(12^-)	890.6 *4*	100	3793.69	$10^{(-)}$
4710.9	(13)	912.5 *2*	100	3798.31	12^+
4777.7	(13^-)	813.8 *2*	100	3963.94	11^-
4976.60	14^+	818.0 *1*	100	4158.7	12^+
5132.4		973.8 *2*	100	4158.7	12^+
5325.8	(14^-)	832.9 *2*	100	4492.86	$12^{(-)}$
5370.9	(13^+)	842.4 *11*	100	4528.5	(11^+)
5608.1		897.1 *4*	1.0×10^2 *3*	4710.9	(13)
		966.1 *6*	$9.\times10^1$ *3*	4642.40	14^+
5632.0	(15^-)	854.2 *2*	100	4777.7	(13^-)
5691.91	16^+	1049.5 *1*	100	4642.40	14^+
6225.2	(16^-)	899.4 *8*	100	5325.8	(14^-)
6517.3	(17^-)	885.3 *3*	100	5632.0	(15^-)
6827.9	18^+	1136.0 *10*	100	5691.91	16^+

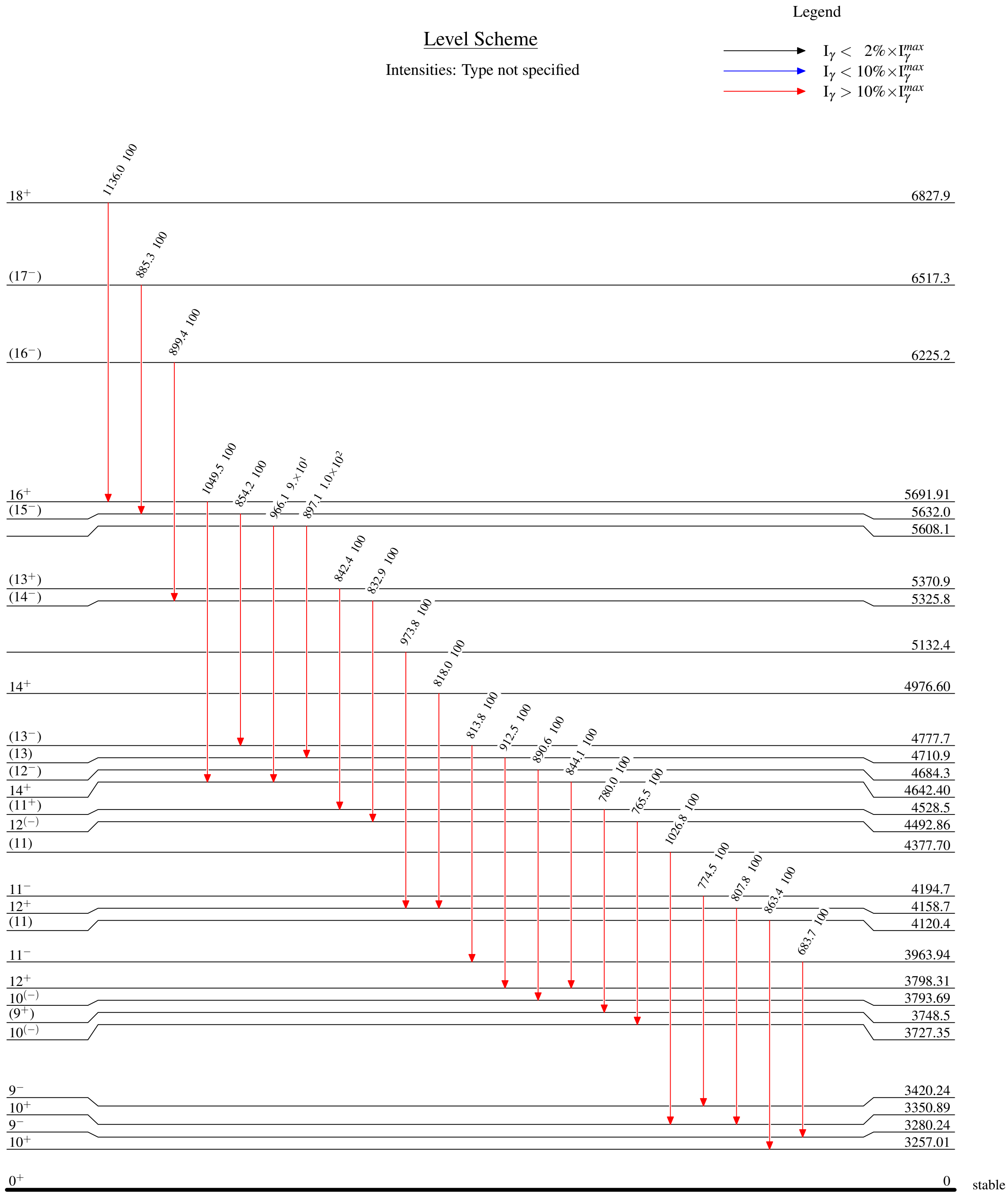
† Weighted average from (n,n′γ) and all decay data sets.
‡ Relative photon branching from each level.
# Not seen. E(γ) from level energy differences.
@ Intensity limit from Coulomb excitation.
& From 6-min $^{108}Rh(\beta^-)$.
[a] Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.
[b] Multiply placed with undivided intensity.
[c] Placement of transition in the level scheme is uncertain.

$^{108}_{46}Pd_{62}$-7

Adopted Levels, Gammas

Level Scheme

Intensities: Type not specified

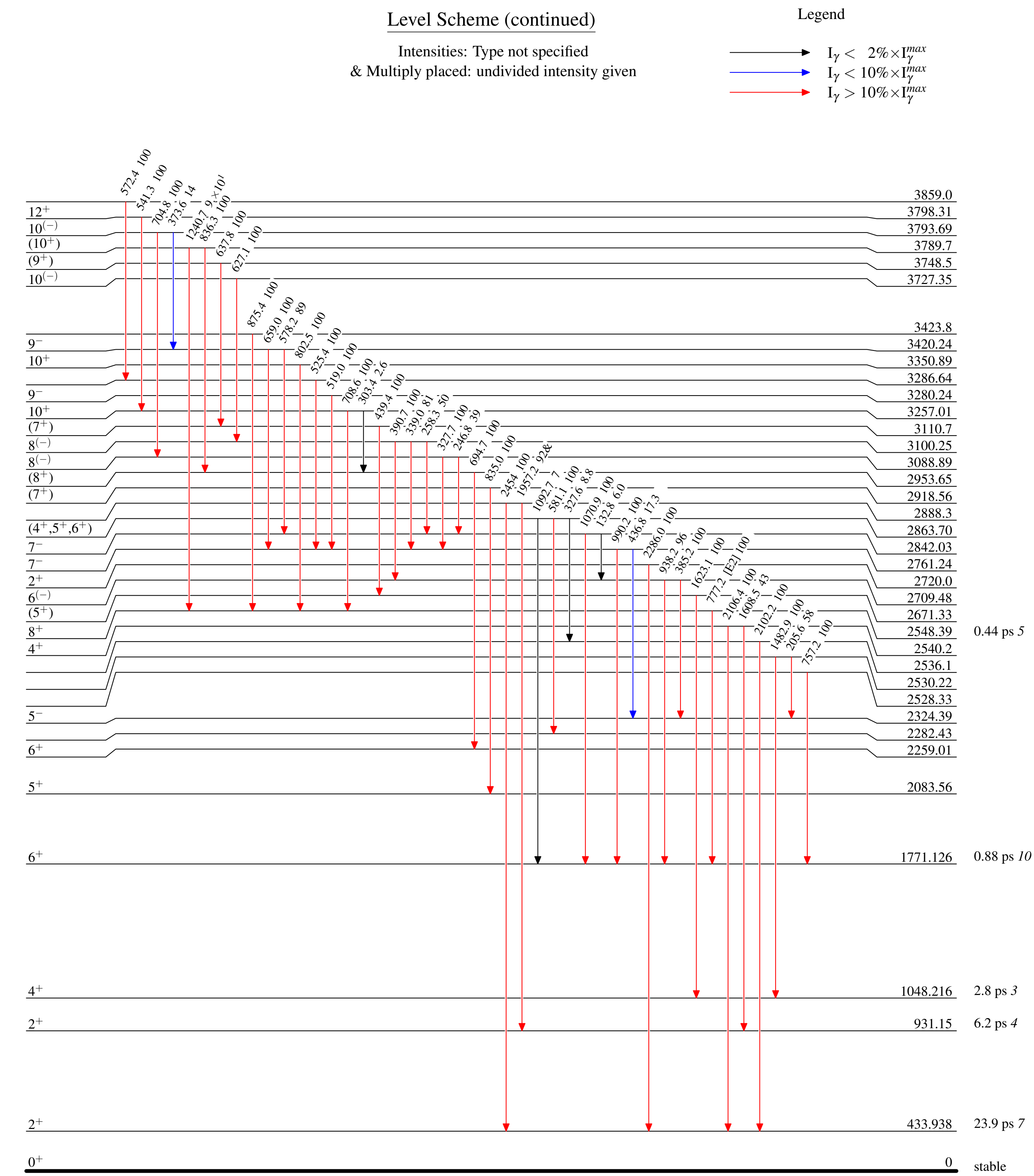


$^{108}_{46}Pd_{62}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
& Multiply placed: undivided intensity given

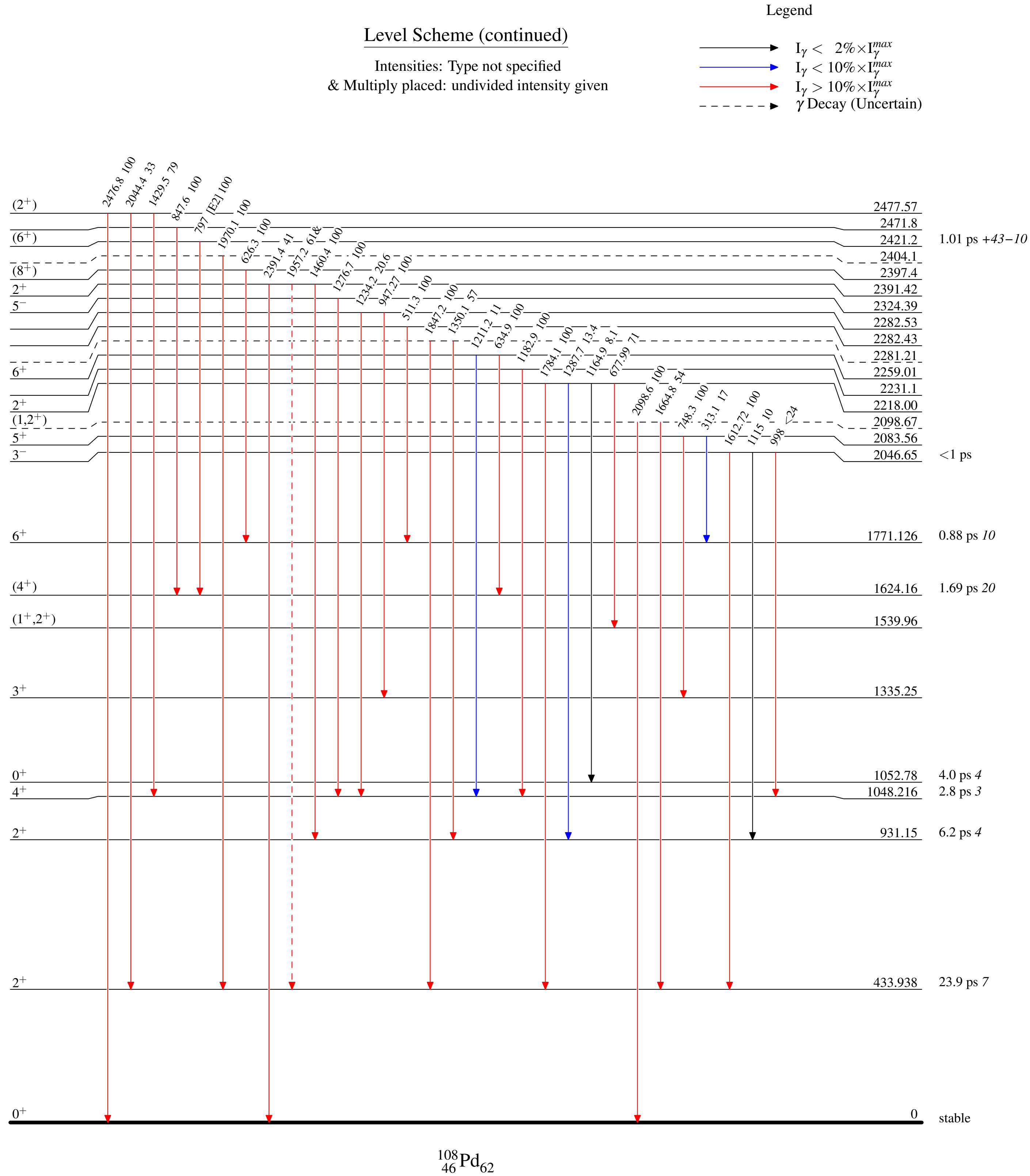


$^{108}_{46}Pd_{62}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
& Multiply placed: undivided intensity given

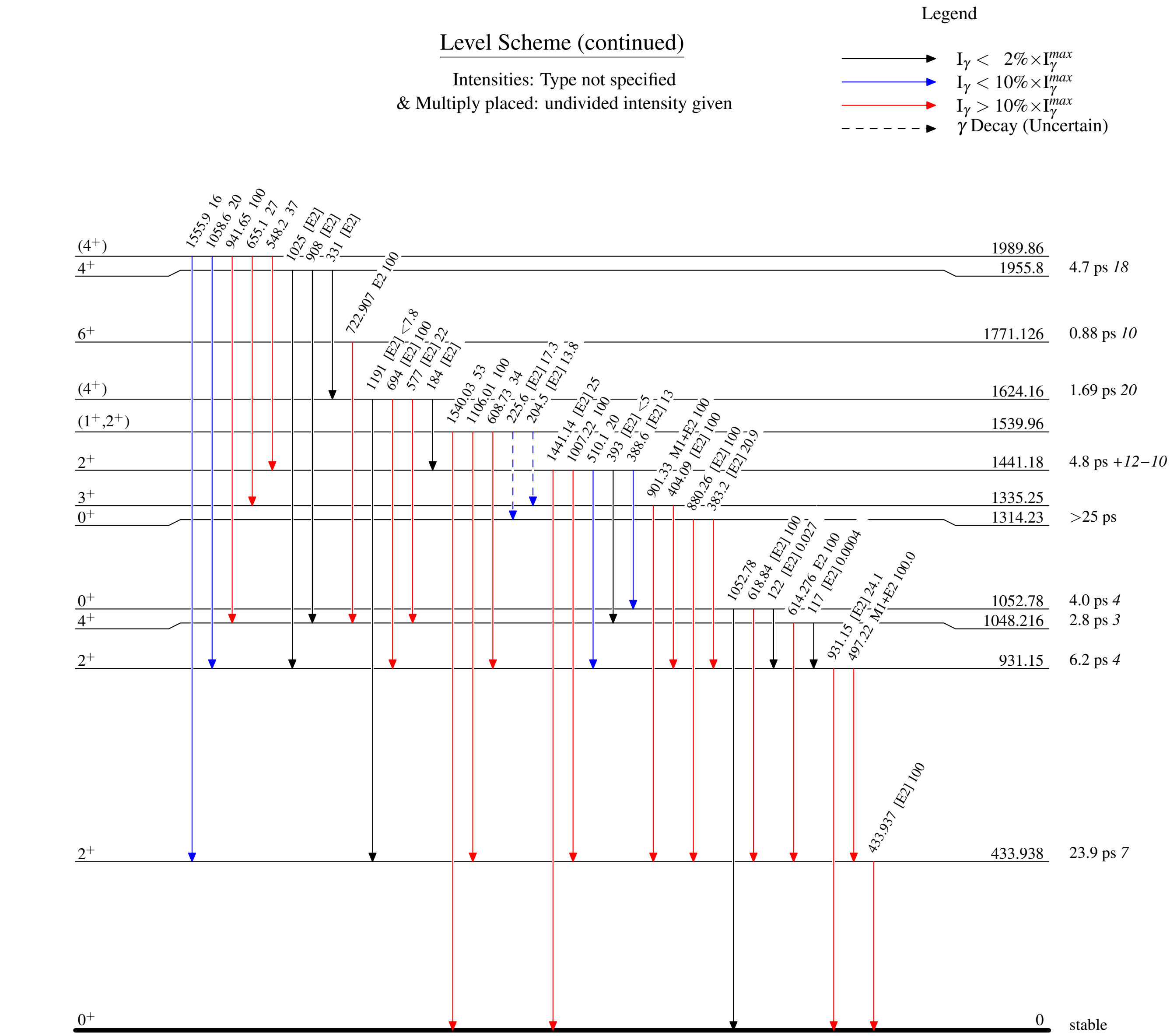


Adopted Levels, Gammas

Level Scheme (continued)

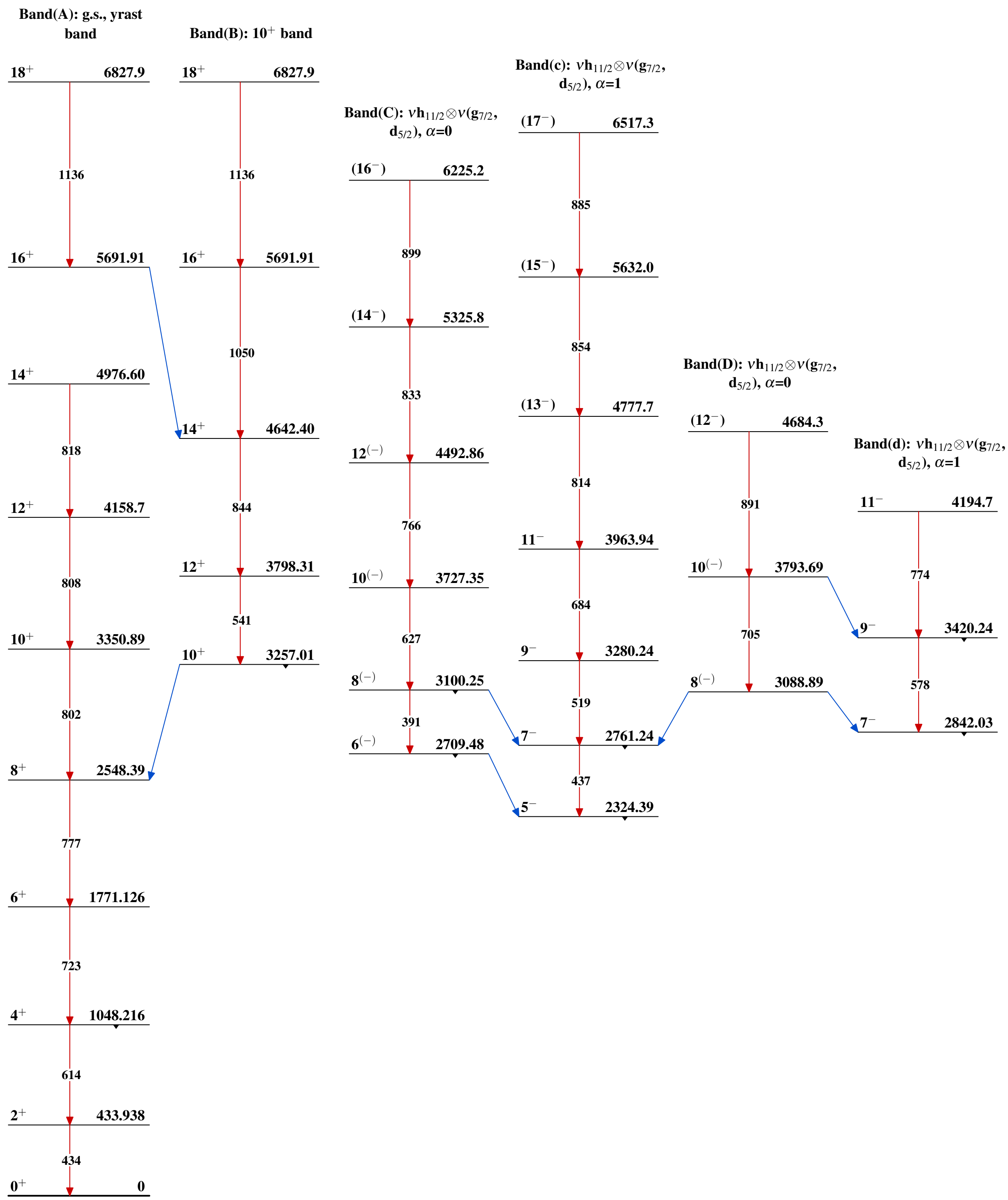
Intensities: Type not specified

& Multiply placed: undivided intensity given



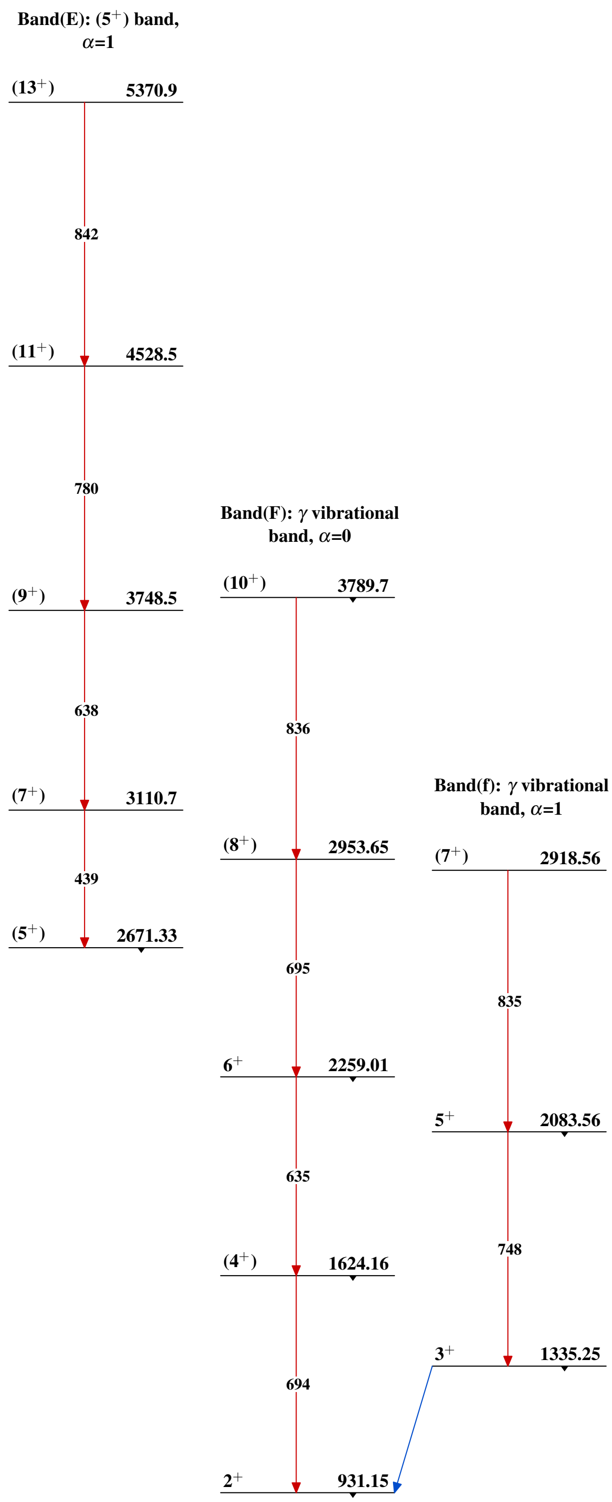
$^{108}_{46}Pd_{62}$

Adopted Levels, Gammas



$^{108}_{46}Pd_{62}$

Adopted Levels, Gammas (continued)



$^{108}_{46}Pd_{62}$