Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. De Frenne and A. Negret	NDS 109, 943 (2008)	1-May-2007

Q(β^-)=−6524 *13*; S(n)=10869.5 *18*; S(p)=7350 *5*; Q(α)=−1626 *3* 2012Wa38
Note: Current evaluation has used the following Q record.
Q(β^-)=−6526 *11*; S(n)=10874 *12*; S(p)=7353 *12*; Q(α)=−1632 *7* 2003Au03

^{106}Cd Levels

Cross Reference (XREF) Flags

A	^{106}Ag β^- decay (23.96 min)	E	^{106}Cd(n,n′γ)	I	^{106}Cd(α,α),(α,α')
B	^{106}In ε decay (6.2 min)	F	^{106}Cd(p,p′)	J	Coulomb excitation
C	^{106}In ε decay (5.2 min)	G	^{106}Cd(p,p′γ)	K	(HI,xnγ)
D	^{104}Pd(α,2nγ)	H	^{107}Ag(p,2nγ)		

E(level)[†]	J$^\pi$	T$_{1/2}$	XREF	Comments
0.0	0$^+$	stable	ABCDEFGHIJK	rms charge radius: 4.5340 fm 45 (2004An14).
632.64 *4*	2$^+$	7.27 ps *8*	BCDEFGHIJK	μ=+0.80 *20* (1989Ra17) Q=−0.28 *8* (1989Ra17) Q: Based on reorientation effect. Others: see Coul. ex. T$_{1/2}$: from B(E2)=0.384 *4* (1976Es02). J$^\pi$: E2 γ to 0$^+$.
1493.78[d] *5*	4$^+$	0.87 ps *11*	BCDEFGHIJK	T$_{1/2}$: from B[E2;2+(632 keV) to 4+(1493 keV)]=0.247 *31* Coul. ex. (1969Mi07). J$^\pi$: ΔJ(861γ,E2)=2. J=4 preferred above J=0 because member of a ΔJ=2 band.
1716.53 *8*	2$^+$	0.31 ps *5*	CDEFGHIJK	T$_{1/2}$: from B(E2)=0.036 *5* (1969Mi07), if Iγ(1716γ) branching=59% *5* Coul. ex. J$^\pi$: L=2 (p,p′).
1795.25 *11*	0$^+$		C E GHI	J$^\pi$: from excitation function and $\gamma(\theta)$ of 1162γ in (p,p′γ).
2104.53 *6*	4$^+$	≤2[#] ps	BCDEFGHI K	J$^\pi$: L=4 (p,p′); Coul. ex.
2144.06 *4*	0$^+$		C E GH	J$^\pi$: from E0 to g.s. in ^{106}In ε decay (5.2 min).
2252.2 *6*	(4$^+$)[@]		C E GH	
2254.0 *5*	(2$^+$,3$^+$)		C E GH	J$^\pi$: from (p,2n) excitation functions for deexciting 536.2γ and 1621.6γ.
2304.92 *12*	4$^+$[@]		B E GHI K	
2330.56 *6*	5$^+$	0.6[‡] ns *2*	B DE GH K	J$^\pi$: J=5 from ΔJ(226γ,D+Q)=−1 to 4$^+$ level at 2104 keV.
2338.55 *21*	(4$^+$)		K	J$^\pi$: ΔJ(844γ)=0 to 4$^+$ state; deexcites to 2$^+$ state.
2347.55 *11*	(2)$^+$[@]		C E GH	J$^\pi$: from log *ft*=5.79; M1 to 2$^+$ from(2$^+$).
2370.62 *4*	2$^+$		C EFGH	From E2 to 0$^+$ in ((p,p′γ). After discussions with authors of (n,n′γ) data (1988BeYC) from which J=1 was suggested, they cannot exclude J=2 for this level.
2378.50 *4*	3$^-$		CDE GHI	J$^\pi$: L(p,p′)=3 for 2366-keV level which is probably the same level; E1 to 2$^+$, ΔJ=1 from negative A$_{22}$ $\gamma(\theta)$ coefficient. J=3 from (p,2n) excitation function.
2468.42 *4*	(4)$^+$[@]		B E	J$^\pi$: J=4 from (n,n′γ).
2485.72 *14*	2$^+$,3$^+$,4$^+$		B DE I	J$^\pi$: E2 to 2$^+$ allows J^π=0$^+$,1$^+$,2$^+$,3$^+$,4$^+$. γ to 4$^+$ eliminates 0$^+$,1$^+$.
2491.66 *6*	6$^+$		B E K	J$^\pi$: ΔJ(997.87γ,E2)=−2 to 4$^+$.
2503.08[d] *7*	6$^+$		B DE K	J$^\pi$: ΔJ(1009.27γ,E2)=−2 to 4$^+$.
2521.9 *3*	(4,5$^+$)		K	J$^\pi$: from ΔJ=0 or −1 for 1028γ to 4$^+$ 1493-keV level and $\Delta\pi$=no if J=5 in ^{97}Mo(^{12}C,3nγ).
2561.37? *6*	0$^+$[@]		C E I	
2566.26 *11*	2$^+$[@]		C E	

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Adopted Levels, Gammas (continued)

^{106}Cd Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$	XREF	Comments
2629.20 *7*	5^-	5[#] ps *+4−2*	BCDE I K	Jπ: ΔJ(524.65γ,E1)=−1 to 4^+.
2630.08 *5*	2^+[@]		C E	
2717.86 *4*	$2^+,3$[@]		C E I	
2720.56 *4*	$1,2^+,3$[@]		E	
2824.58 *5*	1[@]		C E	
2889.57 *21*	$2,3^+$[@]		C E	
2918.2 *3*	1[@]		C E	
2920.14 *8*	5^-		K	Jπ: ΔJ(1426)=−1 to 4^+.
2924.80 *9*	6^+		B K	Jπ: ΔJ(433.14γ,E2)=0,−2 to 6^+. γ to 4^+ excludes 8^+.
2933.65 *6*	$2^+,3^+$[@]		E	
2936.15 *6*	$2^+,3^+$[@]		C E	
2973.33 *9*	$2,3^+,4^+$[@]		E	
3015.35? *6*	$2^+,3^+$[@]		E	
3018.80 *5*	$3^+,(5)^+$[@]		E	
3020.74 *7*	$2,3^+$[@]		E	
3044.13 *7*	8^+	0.39[#] ns *17*	B D K	$T_{1/2}$: weighted average of 0.4 ns *1* (1985An27) and 0.38 ns *14* (1983Gu14). Jπ: π=+ from allowed β transition (log *ft*=5.1) from J^π(initial)=$(7)^+$. J=8 from ΔJ(541γ,E2)=−2 and ΔJ(552γ,E2)=−2 to 6^+ levels.
3059.84 *6*	3[@]		E	
3072.82 *11*	$2,3^+,4$[@]		E	
3084.38 *7*	7^+		B D K	Jπ: π=+ from M1+E2 to 6^+. J=7 from ΔJ(581γ,M1+E2)=−1 to 6^+ 2503 keV level, ΔJ(753.8γ,E2)=−2 to 5^+ 2331 keV level.
3092.88 *11*	(2^+)[@]		E	
3094	(8)		K	Jπ: from γ(θ) and band structure in ^{82}Se(^{30}Si,6nγ).
3118.80? *6*	$2^+,3^+,4^+$[@]		C E	
3119.72 *15*	1[@]		E	
3126.18 *15*	7^+		B K	Jπ: π=+ from M1+E2 to 6^+. J=7 from ΔJ(624γ,D+Q)=−1 to 6^+ 2503 keV level.
3222.65 *20*	1[@]		C E	
3235.24? *15*	$2,3^+$[@]		E	
3245.43? *13*	(2^+)[@]		E	
3283.97 *16*	$^+$		B	Jπ: E2 to 6^+.
3320.15 *7*	6^-		D K	Jπ: ΔJ(828.55γ,E1+M2)=0 to 6^+; ΔJ(400γ)=−1 to 5^- 2492 level.
3322.69 *10*	$1^+,2^+,3$[@]		E	
3328.15 *11*	$1,2^+$[@]		C E	
3329.28 *8*	3^+[@]		E	
3354.2 *5*	7^+		K	
3367.16 *7*	8^+		B D K	Jπ: ΔJ(875.44γ,E2)=−2 to 6^+; ΔJ(323γ,E2)=0 and ΔJ(283γ,M1+E2)=−1 to 7^+ 3085 keV level.
3394.2 *3*	2^+[@]		E	
3409.65 *7*	7^-		D K	Jπ: ΔJ(780.45γ,Q)=−2 to 5^-.
3426.90 *20*	$2,3^+,4^+$[@]		C E	
3462.0 *6*	(6^-)		K	Jπ: from γ(θ) and linear pol. in ^{97}Mo(^{12}C,3nγ).
3472.81 *13*			B	
3485.92? *25*	$1,2^+$[@]		E	
3494.7 *4*	$1,2^+$		C E	Jπ: from γ to 0^+ g.s. and 2^+.
3507.79 *4*	8^-	1.5[#] ns *+1−5*	D K	Jπ: ΔJ(187.71γ,E2)=−2 to 6^-.

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Adopted Levels, Gammas (continued)

^{106}Cd Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$	XREF	Comments
				$T_{1/2}$: other: 1.2 ns *4* (1985An27).
3543.6 *2*	7		K	Jπ: ΔJ(1040.4γ,D+Q)=1 to 6^+.
3547.60 *14*	$^+$		B	Jπ: π=+ from E2 to 7^+.
3641.82 *12*	(8^+)		B K	Jπ: ΔJ(1149γ,Q)=−2 to 6^+. Note inconsistency with 1138(M1) to 6^+.
3678.88 *7*	9^-	0.7[‡] ns *+1−3*	D K	Jπ: ΔJ(171.10γ,M1+E2)=−1 to 8^-. $T_{1/2}$: from (^{13}C,3nγ). Other: 0.15 ns *+8−2* (1983Gu14). Systematics of B(E2)(W.u.) values in this region suggest that this value is not correct (1985An27).
3679.29? *17*	2^+,3[@]		E	
3698.3 *5*	(7^-)		K	Jπ: from ΔJ=−2 for 1069γ to 2629-keV level and band structure in ^{97}Mo(^{12}C,3nγ).
3787.39[d] *15*			B K	
3902	(10)		K	Jπ: from γ(θ) and band structure in ^{82}Si(^{30}Si,6nγ).
4106.33 *9*	10^-	≤4[#] ps	D K	Jπ: ΔJ(427.64γ,D+Q)=−1 to 5^- 3678 keV level; ΔJ(598γ,E2)=−2 to 8^- 3508 keV level.
4113.86 *18*			K	
4120.95 *15*	9^+		K	Jπ: ΔJ(1076.79γ,D+Q)=−1 to 8^+.
4179.5 *4*			K	
4183.04 *19*			D	
4193.8 *6*			K	Jπ: 9^+ suggested by 1994Je05 without any argumentation.
4243.57 *15*			B	
4324.42 *8*	$11^{(-)}$		D K	Jπ: ΔJ(645.55γ,Q)=−2 to $9^{(-)}$.
4436.02 *9*	$10^{(+)}$	[#]	D K	Jπ: ΔJ(315.06,D+Q)=−1 to $9^{(+)}$. Member of ΔJ=2 g.s. band.
4574.3 *4*	$10^{(+)}$		K	Jπ: ΔJ(1530.2γ,Q)=−2 to 8^+.
4659.71 *9*	$12^{(+)}$	62 ns *6*	D K	$T_{1/2}$: α,γ(t) pulsed beam (1977Da08): average of 65 ns *8*, 73 ns *16*, 55 ns *10*, 53 ns *16* for (335,646,1069,875γ)(t), respectively. Jπ: ΔJ(223.61γ,E2)=−2 to $10^{(+)}$.
4794	(12)		K	Jπ: from γ(θ) and band structure in ^{82}Si(^{30}Si,6nγ) and ^{97}Mo(^{12}C,3nγ).
4816.3[d] *6*	10^+		K	
4902.8 *4*			K	
4967.55 *18*	12^-		K	Jπ: from γ(θ) and band structure in ^{82}Si(^{30}Si,6nγ) and ^{97}Mo(^{12}C,3nγ).
5130.76 *13*			B	
5214.06 *11*	$13^{(-)}$	≤9[#] ps	K	Jπ: ΔJ(889.64γ,E2)=−2 to $11^{(-)}$.
5241.0 *3*	12^+		K	Jπ: from γ(θ) and band structure in ^{82}Si(^{30}Si,6nγ) and ^{97}Mo(^{12}C,3nγ).
5252.43[&] *18*	(13^+)		K	Jπ: ΔJ(592γ)=−1 from γ(θ) in ^{97}Mo(^{12}C,3nγ).
5418.7[d] *6*	12^+		K	
5557.8?[&] *14*			K	
5572.5?[&] *15*			K	
5623.7 *5*	12^+		K	E(level): Different interpretation of level by 1994Je05 who claim this is the 12^+ member of the ΔJ=2 band on the 4^+ level and not the 5418.7 keV level as proposed by 2003Si14, 2005Si23.
5770.4?[&] *13*			K	
5822	(14)		K	Jπ: from γ(θ) and band structure in ^{82}Si(^{30}Si,6nγ).
5912.0[&] *6*			K	
5976.4 *5*	(14^-)		K	Jπ: from γ(θ) and band structure in ^{82}Si(^{30}Si,6nγ) and ^{97}Mo(^{12}C,3nγ).
5986.7?[&] *21*			K	
6100.6?[&] *15*			K	

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Adopted Levels, Gammas (continued)

^{106}Cd Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$	XREF	Comments
6226.6[d] *6*	14^+		K	
6265.0 *3*	(15^-)		K	Jπ: ΔJ(1050γ)=−2 to $13^{(-)}$ 5214 level from γ(θ) in ^{97}Mo(^{12}C,3nγ).
6516.0 *6*	14^+		K	
6858.3[&] *15*			K	
7118.9?[d] *7*	16^+	11 ns *+6−3*	K	$T_{1/2}$: From γ(t) in (HI,xnγ) (1994Je05). E(level),$T_{1/2}$: No evidence found in ^{94}Zr(^{16}O,4nγ) by 1995Re07 although this is the most complete study.
7120.9[a] *9*	16^-		K	
7480.2?[&] *16*			K	
7517.8[b] *8*	17^-		K	
8099.7[d] *7*	18^+	0.416 ps *35*	K	$T_{1/2}$: From line-shape analysis (2003Si14,2005Si23).
8099.7+x			K	E(level): this level May Be the same As 8099.7, thus x May Be zero.
8411.0[a] *18*	18^-		K	
8884.3[b] *12*	19^-		K	
9250.3[d] *8*	20^+	0.201 ps *28*	K	$T_{1/2}$: From line-shape analysis (2003Si14,2005Si23).
9318.6+x[c] *14*	(18^+)		K	E(level): from 1622.6γ to 18^+ level At 8099.7 or near this energy.
9722.3+x[c] *8*	(19^+)		K	
9877.0[a] *23*	20^-		K	
10160.9+x[c] *11*	(20^+)		K	
10350.1[b] *14*	21^-		K	
10560.9[d] *9*	22^+	0.180 ps *14*	K	$T_{1/2}$: From line-shape analysis (2003Si14,2005Si23).
10663.7+x[c] *11*	(21^+)		K	
11168.1+x[c] *12*	(22^+)		K	
11740.7+x[c] *15*	(23^+)		K	
11941.5[b] *21*	23^-		K	
12048.5[d] *12*	24^+	0.132 ps *14*	K	$T_{1/2}$: From line-shape analysis (2003Si14,2005Si23).
12312.0+x[c] *16*	(24^+)		K	
12951.8+x[c] *18*	(25^+)		K	
13614.9+x[c] *19*	(26^+)		K	
13724.1[d]	26^+	0.125 ps	K	$T_{1/2}$: Effective half-life (2005Si23). Effective half-life is obtained assuming 100% side-feeding into the top of the band via a cascade of 5 transitions with the same moment of inertia as the in-band transitions The highest γ ray for which a line shape was observed was then fitted and the extracted life time is called effective lifetime. This lifetime was used as input parameter to extract the lifetimes of the states lower in the cascade. E(level): Different interpretation of level by 1995Re07. Considered as a member of a $\nu h_{11/2}\otimes\nu g_{7/2}$ band.
14333.9+x[c] *20*	(27^+)		K	
15067.0+x[c] *21*	(28^+)		K	
15583.5 *25*	(28^+)		K	
15862.8+x[c] *23*	(29^+)		K	

[†] Obtained with least squares procedure using gammas of ^{106}Ag β^- Decay, ^{106}In ε Decay (6.2 min), ^{106}In ε Decay (5.2 min), ^{104}Pd(α,2nγ), ^{106}Cd(n,n′γ), ^{107}Ag(p,2nγ) and (HI,xnγ).

[‡] From generalized centroid-shift method in ^{93}Nb(^{16}O,p2nγ) (1985An27).

[#] From (^{13}C,3nγ) (1983Gu14) DSA method.

[@] From γ(θ), linear pol and γ decay pattern in (n,n′γ) and adopted J^π values of lower lying levels.

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Adopted Levels, Gammas (continued)

^{106}Cd Levels (continued)

& Possible level above the isomer at 4659 kev, gammas from which feed the isomer.
[a] Band(A): $\nu h_{11/2}\otimes\nu d_{5/2}$.
[b] Band(B): $\nu h_{11/2}\otimes\nu g_{7/2}$.
[c] Band(C): 4-qp band, $\nu h^2_{11/2}\otimes\pi(g_{7/2},g_{9/2})$.
[d] Band(D): 4^+ band. Antimagnetic rotational band from lifetime measurements and deduced B(E2) values (2003Si14,2005Si23).

$\gamma(^{106}$Cd)

Unless noted otherwise, relative photon branchings for each level were calculated with a least squares procedure using data from ^{106}In ε decay (5.2 min), ^{106}In ε decay (6.2 min), ^{94}Zr(^{16}O,4nγ), ^{96}Mo(^{13}C,3nγ), ^{97}Mo(^{12}C,3nγ) and ^{104}Pd(α,2nγ) if all available. If not all available only available data sets used.

E_i(level)	J^π_i	E_γ[†]	I_γ	E_f	J^π_f	Mult.[b]	δ	Comments
632.64	2^+	632.66 *4*	100	0.0	0^+	E2[d]		B(E2)(W.u.)=25.8 *3*
1493.78	4^+	861.16 *4*	100	632.64	2^+	E2[d]		B(E2)(W.u.)=46 *6*
1716.53	2^+	1084.25 *23*	80 *20*	632.64	2^+	M1+E2	−1.44 *11*	B(M1)(W.u.)=0.0075 *19*; B(E2)(W.u.)=11 *3* δ: from (n,n′γ). Others: −0.85 *20* from $\gamma(\theta)$ in ^{106}Cd(α,$\alpha'\gamma\gamma$) (1973Gr16) and −0.60 *+20−15* 1084$\gamma(\theta)$ in ^{106}Cd(p,p′γ) (1969Mi07).
		1716.40 *9*	100 *15*	0.0	0^+	E2		B(E2)(W.u.)=2.4 *3*
1795.25	0^+	1162.60 *10*	100	632.64	2^+	E2		
2104.53	4^+	387.78 *18*	6.5 *17*	1716.53	2^+	E2[e]		B(E2)(W.u.)>42
		610.77 *5*	100.0 *18*	1493.78	4^+	M1+E2[d]	−0.314 *22*	B(M1)(W.u.)>0.026; B(E2)(W.u.)>5.2 δ: weighted average of δ=−0.31 *5* from ^{94}Zr(^{16}O,4nγ); −0.34 *4* from ^{96}Mo(^{13}C,3nγ); −0.4 *6* from ^{97}Mo(^{12}C,3nγ); −0.30 *3* from ^{106}Cd(n,n′γ). Mult.: other: E2 from conversion electron data in ^{106}In ε decay.
		1471.86 *5*	61.1 *15*	632.64	2^+	E2[e]		B(E2)(W.u.)>0.50
2144.06	0^+	427.35 *9*	42 *6*	1716.53	2^+	E2		
		1511.41 *4*	100 *14*	632.64	2^+	E2		
		2143.9 *3*		0.0	0^+	E0		Mult.: from conversion electron data.
2252.2	(4^+)	758.73 *7*	5.0 *8*	1493.78	4^+			
		1619.7 *3*	100 *53*	632.64	2^+			
2254.0	$(2^+,3^+)$	536.0 *7*	6.5 *10*	1716.53	2^+			E_γ: No final level within 0.78 keV.
		1621.3 *3*	100 *50*	632.64	2^+			
2304.92	4^+	811.14 *10*	100 *18*	1493.78	4^+	M1+E2	−0.17 *4*	Mult.: from $\gamma(\theta)$ and γ linear pol in (n,n′γ). δ: weighted average of δ=−0.5 *9* from $\gamma\gamma(\theta)$ in ^{97}Mo(^{12}C,3nγ) δ=0.00 *22* from $\gamma(\theta)$ in ^{96}Mo(^{13}C,3nγ) (1979Sa01) and from $\gamma(\theta)$ in (n,n′γ).
		1672.6 *3*	13.2 *21*	632.64	2^+			E_γ,I_γ: from ^{106}Cd(p,2nγ).
2330.56	5^+	226.04 *5*	100.0 *25*	2104.53	4^+	M1+E2[e]		δ=−0.58 *12* from $\gamma(\theta)$ in ^{96}Mo(^{13}C,3nγ); −0.27 *4* from $\gamma\gamma(\theta)$ in ^{97}Mo(^{12}C,3nγ) or −0.57 *12* from $\gamma(\theta)$ in (n,n′γ).
		836.79 *7*	45.7 *22*	1493.78	4^+	M1+E2[c]		δ=−0.24 *19* from $\gamma\gamma(\theta)$ in ^{97}Mo(^{12}C,3nγ); −0.03 *5* or −5.4 +21-12

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Adopted Levels, Gammas (continued)

γ(^{106}Cd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ	E_f	J_f^π	Mult.[b]	δ	Comments
								from γ(θ) in (n,n′γ); δ=−0.18 *5* from γ(θ) in ^{96}Mo(^{13}C,3nγ).
2338.55	(4$^+$)	844.78 *20*	100 *15*	1493.78	4$^+$	D+Q[c]	−0.05 *11*	E_γ,I_γ: taken from ^{97}Mo(^{12}C,3nγ).
		1704.5 *20*	75 *18*	632.64	2$^+$			E_γ,I_γ: taken from ^{97}Mo(^{12}C,3nγ).
2347.55	(2)$^+$	1714.90 *10*	100	632.64	2$^+$	M1		
2370.62	2$^+$	575.3[@] *3*	28[&] *4*	1795.25	0$^+$	E2		
		653.9[@] *3*	33[&] *5*	1716.53	2$^+$	M1+E2		
		1737.94[@] *3*	100[&] *15*	632.64	2$^+$	M1+E2		Mult.: δ=−0.18 *8* or −2.0 *5*.
		2370.6[@] *3*	9.0[&] *13*	0.0	0$^+$			
2378.50	3$^-$	1745.82 *3*	100	632.64	2$^+$	E1(+M2)	−0.005 *10*	
2468.42	(4)$^+$	974.54 *3*	100	1493.78	4$^+$	D+Q	+3.9 *3*	
2485.72	2$^+$,3$^+$,4$^+$	991.98 *18*	100 *30*	1493.78	4$^+$			
		1853.01 *20*	95 *9*	632.64	2$^+$	E2		Mult.: from (n,n′γ).
2491.66	6$^+$	161.05 *14*	1.03 *17*	2330.56	5$^+$			
		997.87 *4*	100 *5*	1493.78	4$^+$	E2[d]		
2503.08	6$^+$	1009.27 *6*	100	1493.78	4$^+$	E2[d]		B(E2)(W.u.)>0.036
2521.9	(4,5$^+$)	1028.15 *29*	100	1493.78	4$^+$	D+Q	+0.8 *4*	
2561.37?	0$^+$	1928.69 *5*	100	632.64	2$^+$	E2		
2566.26	2$^+$	1933.60 *10*	100	632.64	2$^+$	M1+E2	+2.5 *2*	
2629.20	5$^-$	298.5 *4*	3.2 *8*	2330.56	5$^+$	[E1]		B(E1)(W.u.)=6×10^{-5} *+4−3*.
		524.65 *5*	100.0 *16*	2104.53	4$^+$	E1(+M2)		Mult.: from conversion electron data in ^{106}In ε decay (5.2 min) and from change in sign of 525γ pol via γ(θ) versus γ-ray linear pol in ^{94}Zr(^{16}O,4nγ). Others: D+Q and δ=−0.046 *15* from γ(θ) in ^{96}Mo(^{13}C,3nγ); δ=+0.076 *18* from γγ(θ) in ^{97}Mo(^{12}C,3nγ); δ=−0.05 *3* from γ(θ) in (n,n′γ) and δ=0.00 *5* from ^{94}Zr(^{16}O,4nγ). From RUL, one expects δ<0.012.
		1135.68 *11*	22.6 *14*	1493.78	4$^+$	E1(+M2)	−0.04 *5*	B(E1)(W.u.)=7.E−6 *6*; B(M2)(W.u.)<0.15 δ: from γ(θ) in (n,n′γ).
2630.08	2$^+$	1997.39[‡] *4*	100[#] *13*	632.64	2$^+$	M1+E2		Mult.: δ=−0.11 *4* or 3.2 *4*.
		2630.2[‡] *2*	13[#] *2*	0.0	0$^+$			
2717.86	2$^+$,3	2085.18 *3*	100	632.64	2$^+$			
2720.56	1,2$^+$,3	2087.88 *3*	100	632.64	2$^+$			
2824.58	1	2824.54 *5*	100	0.0	0$^+$			
2889.57	2,3$^+$	2256.90 *20*	100	632.64	2$^+$			
2918.2	1	2285.5 *6*	21.4 *24*	632.64	2$^+$			I_γ: from ^{106}In ε decay (5.2 min).
		2918.2 *3*	100 *5*	0.0	0$^+$			I_γ: from ^{106}In ε decay (5.2 min).
2920.14	5$^-$	1426.36 *6*	100	1493.78	4$^+$	D+Q[c]	0.06 *3*	δ: weighted average of δ=+0.02 *9* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) and δ=+0.063 *27* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
2924.80	6$^+$	433.14 *7*	100 *13*	2491.66	6$^+$	E2		E_γ,I_γ: taken from ^{106}In ε decay (6.2 min). Mult.: from conversion electron data in ^{106}In ε decay (6.2 min). Others: D+Q and δ=−0.29 *17* from γ(θ) in ^{96}Mo(^{13}C,3nγ) and δ=+0.06 *27* from γγ(θ) in ^{97}Mo(^{12}C,3nγ).

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Adopted Levels, Gammas (continued)

γ(^{106}Cd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ	E_f	J_f^π	Mult.[b]	δ	Comments
2924.80	6^+	1431.0 *2*	52 *9*	1493.78	4^+			E_γ,I_γ: taken from ^{106}In ε decay (6.2 min).
2933.65	2^+,3^+	1217.05 *5*	100	1716.53	2^+			
2936.15	2^+,3^+	2303.46 *5*	100	632.64	2^+			
2973.33	$2,3^+,4^+$	2340.64 *8*	100	632.64	2^+			
3015.35?	2^+,3^+	1298.75 *5*	100	1716.53	2^+			
3018.80	3^+,$(5)^+$	1524.91 *4*	100	1493.78	4^+	M1+E2	−0.11 *4*	
3020.74	$2,3^+$	2388.05 *6*	100	632.64	2^+			
3044.13	8^+	541.00 *6*	63 *5*	2503.08	6^+	E2[e]		B(E2)(W.u.)=0.42 *16*
		552.53 *5*	100 *3*	2491.66	6^+	E2[e]		B(E2)(W.u.)=0.60 *23*
3059.84	3	1565.69 *15*	50 *8*	1493.78	4^+	D+Q		Mult.: δ=−11 *+75−5* or +0.02 *8*.
		2427.19 *6*	100 *13*	632.64	2^+	D+Q		Mult.: δ=−0.04 *5* or −3.4 *7*.
3072.82	$2,3^+,4$	2440.13 *10*	100	632.64	2^+			
3084.38	7^+	581.29 *9*	38 *4*	2503.08	6^+	M1+E2[c]		δ=−0.27 *17* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=−0.16 *5* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		592.73 *6*	100 *4*	2491.66	6^+	M1+E2[d]	−0.39 *15*	δ: other: +0.03 *8* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or −0.03 *2* from γ(θ) in ^{96}Mo(^{13}C,3nγ).
		753.75 *7*	71 *5*	2330.56	5^+	E2[c]		
3092.88	(2^+)	1377.0[‡] *2*	100[#] *13*	1716.53	2^+			
		1598.83[‡] *17*	35[#] *5*	1493.78	4^+			
		2460.3[‡] *2*	75[#] *5*	632.64	2^+			
		3093.3[‡] *5*	44[#] *8*	0.0	0^+			
3094	(8)	602	100	2491.66	6^+			
3118.80?	2^+,3^+,4^+	1402.19[‡] *5*	100[#] *13*	1716.53	2^+			
		1624.99[‡] *14*	11[#] *2*	1493.78	4^+			
3119.72	1	2487.0 *2*	64 *9*	632.64	2^+			I_γ: from ^{106}In ε decay (5.2 min).
		3119.7 *2*	100 *9*	0.0	0^+			I_γ: from ^{106}In ε decay (5.2 min).
3126.18	7^+	623.72 *29*	100 *10*	2503.08	6^+	M1+E2[e]		E_γ,I_γ: from ^{106}In ε (6.2 min). δ=+0.13 *21* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=+0.039 *6* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		634.10 *20*	55 *6*	2491.66	6^+			E_γ,I_γ: from ^{106}In ε (6.2 min).
3222.65	1	3222.6 *2*	100	0.0	0^+			
3235.24?	$2,3^+$	1518.62[‡] *15*	100[#] *13*	1716.53	2^+			
		2602.6[‡] *4*	19[#] *4*	632.64	2^+			
3245.43?	(2^+)	1140.6[‡] *2*	63[#] *12*	2104.53	4^+			
		1528.9[‡] *2*	69[#] *13*	1716.53	2^+			
		3245.5[‡] *3*	100[#] *16*	0.0	0^+			
3283.97	$^+$	780.70 *20*	100 *10*	2503.08	6^+	E2[e]		
		792.50 *20*	39 *4*	2491.66	6^+			
3320.15	6^-	400.2 *3*	6.1 *13*	2920.14	5^-	D+Q	+0.01 *16*	
		690.99 *5*	100.0 *23*	2629.20	5^-	M1+E2[c]	+0.73 *7*	Weighted average of δ=+0.57 *22* from linear γ pol in (^{16}O,xn); +1.22 *28* from γ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=+0.71 *7* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		828.55 *7*	40.1 *21*	2491.66	6^+	E1+M2[c]		δ=+0.10 *19* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=+0.09 *18* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
3322.69	1^+,2^+,3	2689.99 *9*	100	632.64	2^+			

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Adopted Levels, Gammas (continued)

γ(^{106}Cd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ	E_f	J_f^π	Mult.[b]	δ	Comments
3328.15	1,2$^+$	980.81[‡] *18*	65[#] *11*	2347.55	(2)$^+$			
		2695.38[‡] *14*	100[#] *14*	632.64	2$^+$			
		3327.8[‡] *4*	50[#] *9*	0.0	0$^+$			
3329.28	3$^+$	1835.39 *7*	100	1493.78	4$^+$	M1+E2		Mult.: δ=+3.5 *8* or +0.43 *7*.
3354.2	7$^+$	862.3 *4*	100	2491.66	6$^+$			
3367.16	8$^+$	282.72 *11*	12.7 *9*	3084.38	7$^+$	M1+E2[c]		δ=−0.28 *16* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=−0.02 *6* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		323.05 *9*	15.4 *7*	3044.13	8$^+$	M1+E2[c]		δ=+0.23 *10* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=+0.02 *23* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		864.18 *15*	23 *9*	2503.08	6$^+$	E2[f]	[f]	
		875.44 *5*	100 *4*	2491.66	6$^+$	E2[d]		
3394.2	2$^+$	3394.1 *3*	100	0.0	0$^+$			
3409.65	7$^-$	488.3 *10*	28 *5*	2920.14	5$^-$	Q[i]		
		780.45 *9*	40 *5*	2629.20	5$^-$	Q[i]		
		906.55 *5*	91 *4*	2503.08	6$^+$	D(+Q)[c]		δ=+0.026 *54* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=−0.014 *32* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		918.04 *5*	100.0 *26*	2491.66	6$^+$	D(+Q)[c]		δ=−0.02 *10* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=−0.023 *29* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
3426.90	2,3$^+$,4$^+$	2794.2 *2*	100	632.64	2$^+$			
3462.0	(6$^-$)	832.8 *7*	100	2629.20	5$^-$	D+Q[f]	+0.35[f] *15*	
3472.81		980.80 *20*	21 *3*	2491.66	6$^+$			
		1142.70 *20*	100 *10*	2330.56	5$^+$			
		1978.90 *20*	23 *3*	1493.78	4$^+$			
3485.92?	1,2$^+$	1690.9[‡] *4*	14[#] *3*	1795.25	0$^+$			
		2851.9[‡] *6*	100[#] *21*	632.64	2$^+$			
		3486.7[‡] *7*	2.8[#] *13*	0.0	0$^+$			
3494.7	1,2$^+$	2862.1 *5*	70 *4*	632.64	2$^+$			
		3494.5 *5*	100 *4*	0.0	0$^+$			E_γ,I_γ: from ^{106}In ε decay (5.2 min).
3507.79	8$^-$	140.46 *18*	2.4 *8*	3367.16	8$^+$	[E1]		B(E1)(W.u.)=1.3×10^{-6} *6*
		187.71 *5*	100.0 *29*	3320.15	6$^-$	E2[c]		B(E2)(W.u.)=40 *10* Mult.: M2 ruled out by RUL.
		423.38 *5*	45.1 *28*	3084.38	7$^+$	D+Q[c]		δ=+0.043 *37* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=−0.016 *10* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		463.44 *14*	9.1 *9*	3044.13	8$^+$	D(+Q)[c]		δ=−0.11 *34* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=+0.25 *36* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
3543.6	7	1040.4 *4*	100 *7*	2503.08	6$^+$	D+(Q)[c]	+0.03 *8*	δ: from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or γ(θ) in ^{96}Mo(^{13}C,3nγ).
		1051.0 *4*	61 *8*	2491.66	6$^+$			
3547.60	$^+$	421.30 *20*	25 *3*	3126.18	7$^+$	E2[e]		
		1217.50 *20*	100 *10*	2330.56	5$^+$			
		1442.70 *20*	60 *6*	2104.53	4$^+$			

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Adopted Levels, Gammas (continued)

γ(^{106}Cd) (continued)

E_i(level)	J_i^π	E_γ †	I_γ	E_f	J_f^π	Mult.[b]	δ	Comments
3641.82	(8$^+$)	1138.71 *15*	100 *4*	2503.08	6$^+$	(M1)[e]		Mult.: mult=Q required from decay scheme.
		1149.56 *21*	45 *7*	2491.66	6$^+$	Q[g]		
3678.88	9$^-$	171.10 *5*	83 *6*	3507.79	8$^-$	M1+E2[c]	0.15 *1*	B(M1)(W.u.)=0.0022 *8*; B(E2)(W.u.)=1.5 *6* Mult.: M2 ruled out by RUL. δ: from γ(θ) in ^{96}Mo(^{13}C,3nγ). Other: δ=+0.15 *2* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) (1979Sa01).
		269.28 *7*	100 *17*	3409.65	7$^-$	E2[c]		B(E2)(W.u.)=8 *4* Mult.: M2 ruled out by RUL.
		311.76 *19*	11.6 *12*	3367.16	8$^+$	(D+Q)[c]		δ=+0.15 *14* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=0.00 *6* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		634.69 *15*	71 *9*	3044.13	8$^+$	D+Q[c]		δ=−0.02 *6* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=−0.038 *28* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
3679.29?	2$^+$,3	2184.9‡ *3*	42# *8*	1493.78	4$^+$			
		3046.8‡ *2*	100# *13*	632.64	2$^+$			
3698.3	(7$^-$)	1069.1 *5*	100	2629.20	5$^-$	Q		
3787.39		1284.58 *19*	100 *14*	2503.08	6$^+$	D+Q[f]	+0.15[f] *8*	
		1295.45 *19*	88 *17*	2491.66	6$^+$	D(+Q)	+0.3 *2*	δ: weighted average of δ=+0.26 *34* from ^{96}Mo(^{13}C,3nγ) and δ=+0.3 *3* from ^{97}Mo(^{12}C,3nγ).
3902	(10)	808	100	3094	(8)			
4106.33	10$^-$	427.64 *21*	14.5 *13*	3678.88	9$^-$	D(+Q)[h]	−0.15[h] *24*	
		598.54 *7*	100.0 *21*	3507.79	8$^-$	E2[c]		B(E2)(W.u.)≥62 Mult.: Not M2 from RUL.
4113.86		570.11 *15*	63 *8*	3543.6	7	Q[g]		
		704.47 *20*	100 *6*	3409.65	7$^-$			
4120.95	9$^+$	1076.79 *15*	100	3044.13	8$^+$	D+Q[c]	0.40 *11*	δ: weighted average of δ=+0.45 *15* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) and δ=+0.35 *15* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
4179.5		1135.4 *4*	100	3044.13	8$^+$	(D+Q)[c]	+0.03	
4183.04		675.5 *3*	100 *13*	3507.79	8$^-$			
		1138.8 *3*	66 *16*	3044.13	8$^+$			
4193.8		1149 *2*		3044.13	8$^+$			
4243.57		601.40 *20*	100 *10*	3641.82	(8$^+$)	M1[e]		
		1199.70 *20*	55 *6*	3044.13	8$^+$			
4324.42	11$^{(-)}$	218.38 *26*	3.7 *12*	4106.33	10$^-$			
		645.55 *5*	100.0 *17*	3678.88	9$^-$	Q[c]		
4436.02	10$^{(+)}$	111.5	18 *4*	4324.42	11$^{(-)}$			
		315.00 *29*	5.4 *8*	4120.95	9$^+$	D+Q[c]		δ=−0.10 *4* from γγ(θ) in ^{97}Mo(^{12}C,3nγ) or δ=+0.10 *4* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
		757.8 *10*	6.8 *21*	3678.88	9$^-$			
		1068.79 *7*	100.0 *11*	3367.16	8$^+$	Q[i]		
		1392.3 *5*	12 *4*	3044.13	8$^+$			
4574.3	10$^{(+)}$	1530.2 *4*	100	3044.13	8$^+$	Q[i]		
4659.71	12$^{(+)}$	223.61 *5*	100.0 *24*	4436.02	10$^{(+)}$	E2[c]		B(E2)(W.u.)=0.190 *24* Mult.: M2 excluded by RUL.
		335.36 *5*	95.0 *22*	4324.42	11$^{(-)}$	D+Q[c]		δ=−0.05 *3* from γγ(θ) in

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Adopted Levels, Gammas (continued)

γ(^{106}Cd) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ	E_f	J_f^π	Mult.[b]	Comments
							^{97}Mo(^{12}C,3nγ) or δ=−0.019 *11* from γ(θ) in ^{96}Mo(^{13}C,3nγ) (1979Sa01).
4659.71	12$^{(+)}$	476.8 *3*	53 *12*	4183.04			
4794	(12)	892		3902	(10)		
4816.3	10$^+$	241 *1*		4574.3	10$^{(+)}$		
		622.6 *3*		4193.8		M1	
		695.3 *8*	39 *17*	4120.95	9$^+$	M1	
		1028.4 *4*	100 *38*	3787.39		E2	
4902.8		788.9 *4*	100.0 *10*	4113.86		Q[c]	
		796.7 *10*	42 *11*	4106.33	10$^-$		
4967.55	12$^-$	861.22 *15*	100	4106.33	10$^-$	(Q)[c]	
5130.76		887.10 *20*	49 *5*	4243.57			
		1488.70 *20*	100 *10*	3641.82	(8$^+$)		
		1763.40 *20*	55 *6*	3367.16	8$^+$		
		2087.10 *20*	50 *5*	3044.13	8$^+$		
5214.06	13$^{(-)}$	889.64 *7*	100	4324.42	11$^{(-)}$	E2[c]	B(E2)(W.u.)≥3.8 Mult.: RUL rules out M2.
5241.0	12$^+$	804.98 *25*	100	4436.02	10$^{(+)}$	Q[i]	
5252.43	(13$^+$)	592.72[a] *15*	100[a]	4659.71	12$^{(+)}$	D+Q	Mult.: δ=+0.03 *8* or −0.035 *15* from ^{97}Mo(^{12}C,3nγ).
5418.7	12$^+$	602.4 *2*	100	4816.3	10$^+$		
5557.8?		304.9[aj] *8*	100[a] *15*	5252.43	(13$^+$)		
5572.5?		319.9[aj] *8*	100[a] *19*	5252.43	(13$^+$)		
5623.7	12$^+$	807.3 *2*	100	4816.3	10$^+$	E2	
5770.4?		517.9[aj] *4*	100[a]	5252.43	(13$^+$)		
5822	(14)	1028	100	4794	(12)		
5912.0		659.6[a] *5*	100[a]	5252.43	(13$^+$)		
5976.4	(14$^-$)	1008.8 *4*	100	4967.55	12$^-$	Q[i]	
5986.7?		414.2[aj] *15*	100[a]	5572.5?			
6100.6?		330.5[aj] *8*	100[a] *14*	5770.4?			
		542.4[aj] *8*	85[a] *14*	5557.8?			
6226.6	14$^+$	807.9 *2*	100	5418.7	12$^+$		
6265.0	(15$^-$)	1050.94 *24*	100	5214.06	13$^{(-)}$	Q[i]	E_γ: other: 1059 (1989Kl02) very probably typing error.
6516.0	14$^+$	892.3 *3*	100	5623.7	12$^+$	E2	
6858.3		757.7[aj] *4*	100[a]	6100.6?			
7118.9?	16$^+$	602.8 *2*		6516.0	14$^+$	E2	E_γ: Observed only by 1994Je05.
		892.3 *2*	100	6226.6	14$^+$		
7120.9	16$^-$	1145.3 *4*	100	5976.4	(14$^-$)	E2	
7480.2?		621.9[aj] *4*	100[a]	6858.3			
7517.8	17$^-$	1253.6 *4*	100	6265.0	(15$^-$)	E2	
8099.7	18$^+$	980.8 *2*	100	7118.9?	16$^+$	E2	
8411.0	18$^-$	1290.1 *15*	100	7120.9	16$^-$	E2	
8884.3	19$^-$	1366.5 *8*	100	7517.8	17$^-$	E2	
9250.3	20$^+$	1150.6 *4*	100	8099.7	18$^+$	E2	
9722.3+x	(19$^+$)	403.6 *15*	80 *40*	9318.6+x	(18$^+$)		
		1622.6 *8*	100 *40*	8099.7+x			
9877.0	20$^-$	1466.0 *15*	100	8411.0	18$^-$		DCO(2)=1.2 *3*
10160.9+x	(20$^+$)	438.5 *8*	100 *28*	9722.3+x	(19$^+$)		
		842.4 *15*	28 *14*	9318.6+x	(18$^+$)		
10350.1	21$^-$	1465.8 *8*	100	8884.3	19$^-$	(E2)	
10560.9	22$^+$	1310.6 *4*	100	9250.3	20$^+$		
10663.7+x	(21$^+$)	502.6 *8*	100 *40*	10160.9+x	(20$^+$)		
		941.5 *8*	100 *40*	9722.3+x	(19$^+$)		

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Adopted Levels, Gammas (continued)

γ(^{106}Cd) (continued)

E_i(level)	J_i^π	E_γ [†]	I_γ	E_f	J_f^π	Mult.[b]
11168.1+x	(22$^+$)	504.4 *8*	100 *40*	10663.7+x	(21$^+$)	
		1007.0 *15*	80 *40*	10160.9+x	(20$^+$)	
11740.7+x	(23$^+$)	572.5 *15*	100 *50*	11168.1+x	(22$^+$)	
		1077.2 *15*	100 *50*	10663.7+x	(21$^+$)	
11941.5	23$^-$	1591.4 *15*	100	10350.1	21$^-$	
12048.5	24$^+$	1487.6 *8*	100	10560.9	22$^+$	(E2)
12312.0+x	(24$^+$)	571.0 *15*	100 *50*	11740.7+x	(23$^+$)	
		1143.8 *15*	100 *50*	11168.1+x	(22$^+$)	
12951.8+x	(25$^+$)	639.7 *15*	100 *50*	12312.0+x	(24$^+$)	
		1211.4 *15*	100 *50*	11740.7+x	(23$^+$)	
13614.9+x	(26$^+$)	663.3 *15*	100 *50*	12951.8+x	(25$^+$)	
		1302.6 *15*	100 *50*	12312.0+x	(24$^+$)	
13724.1	26$^+$	1677.6 *15*	100	12048.5	24$^+$	
14333.9+x	(27$^+$)	718.8 *15*	67 *33*	13614.9+x	(26$^+$)	
		1382.3 *15*	100 *33*	12951.8+x	(25$^+$)	
15067.0+x	(28$^+$)	733.0 *15*	100 *50*	14333.9+x	(27$^+$)	
		1452.1 *15*	100 *50*	13614.9+x	(26$^+$)	
15583.5	(28$^+$)	1857.4[j] *15*	100	13724.1	26$^+$	
15862.8+x	(29$^+$)	795.6 *15*	100 *50*	15067.0+x	(28$^+$)	
		1529.0 *15*	100 *50*	14333.9+x	(27$^+$)	

† Unless noted otherwise, gamma energies were calculated with a least squares procedures using data from ^{106}In ε decay (5.2 min), ^{106}In ε decay (6.2 min), ^{94}Zr(^{16}O,4nγ), ^{96}Mo(^{13}C,3nγ), ^{97}Mo(^{12}C,3nγ) and ^{104}Pd(α,2nγ).

‡ From (n,n′γ).

From (n,n′γ).

@ From (p,p′γ).

& From (p,p′γ).

[a] γ feeding the isomer at 4659 kev.

[b] Unless noted otherwise, from γ(θ) and linear pol in (n,n′γ).

[c] From γ(θ) in ^{96}Mo(^{13}C,3nγ) and γγ(θ) in ^{97}Mo(^{12}C,3nγ) (1979Sa01).

[d] From γ(θ) and linear γ pol in ^{94}Zr(^{16}O,4nγ) (1979Sa01).

[e] From conversion electron data in ^{106}In ε decay.

[f] From γ(θ) in ^{96}Mo(^{13}C,3nγ).

[g] From γ(θ) in ^{96}Mo(^{13}C,3nγ).

[h] From γγ(θ) in ^{97}Mo(^{12}C,3nγ).

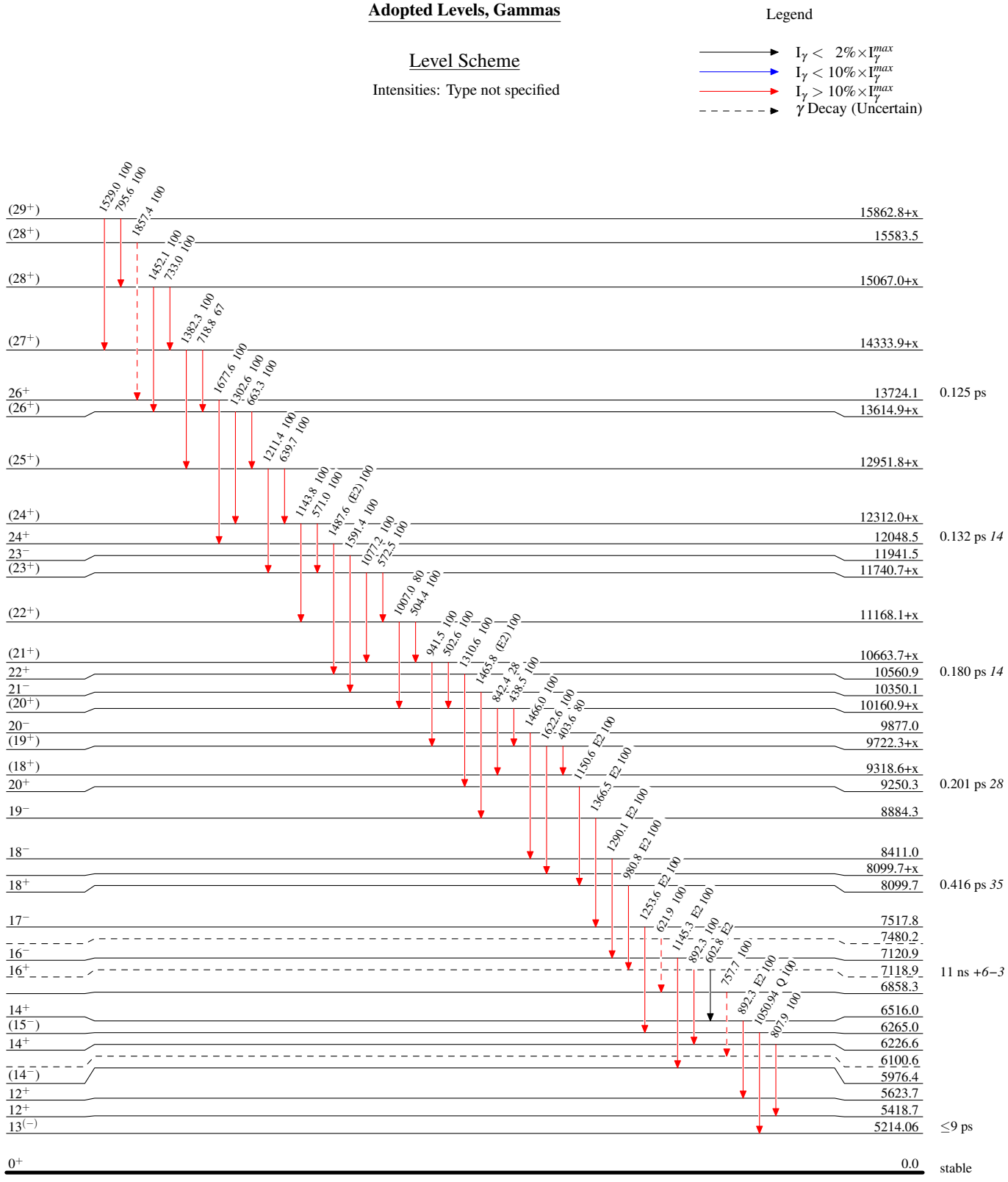
[i] From γγ(θ) in ^{97}Mo(^{12}C,3nγ).

[j] Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Level Scheme

Intensities: Type not specified

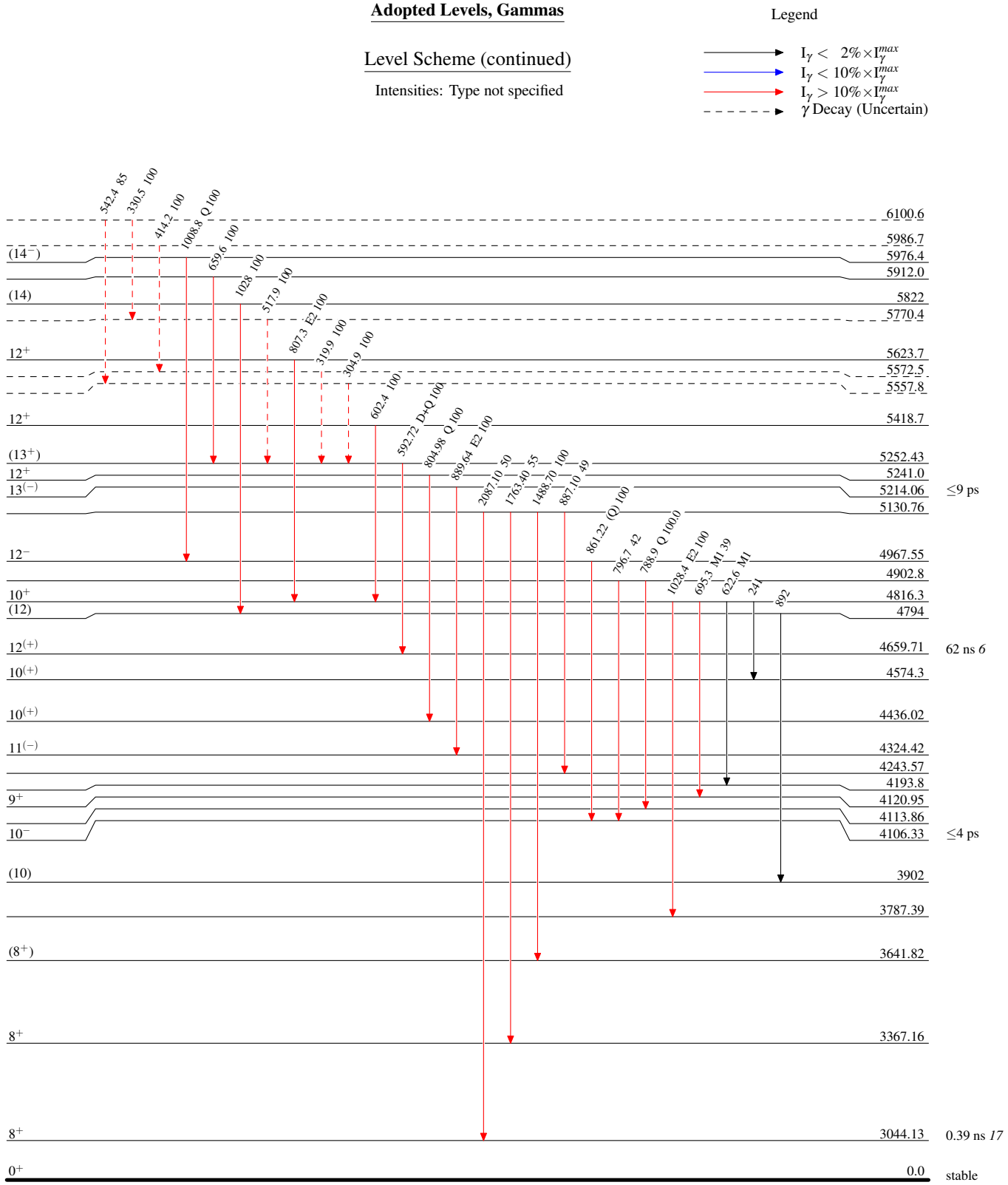


$^{106}_{48}Cd_{58}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

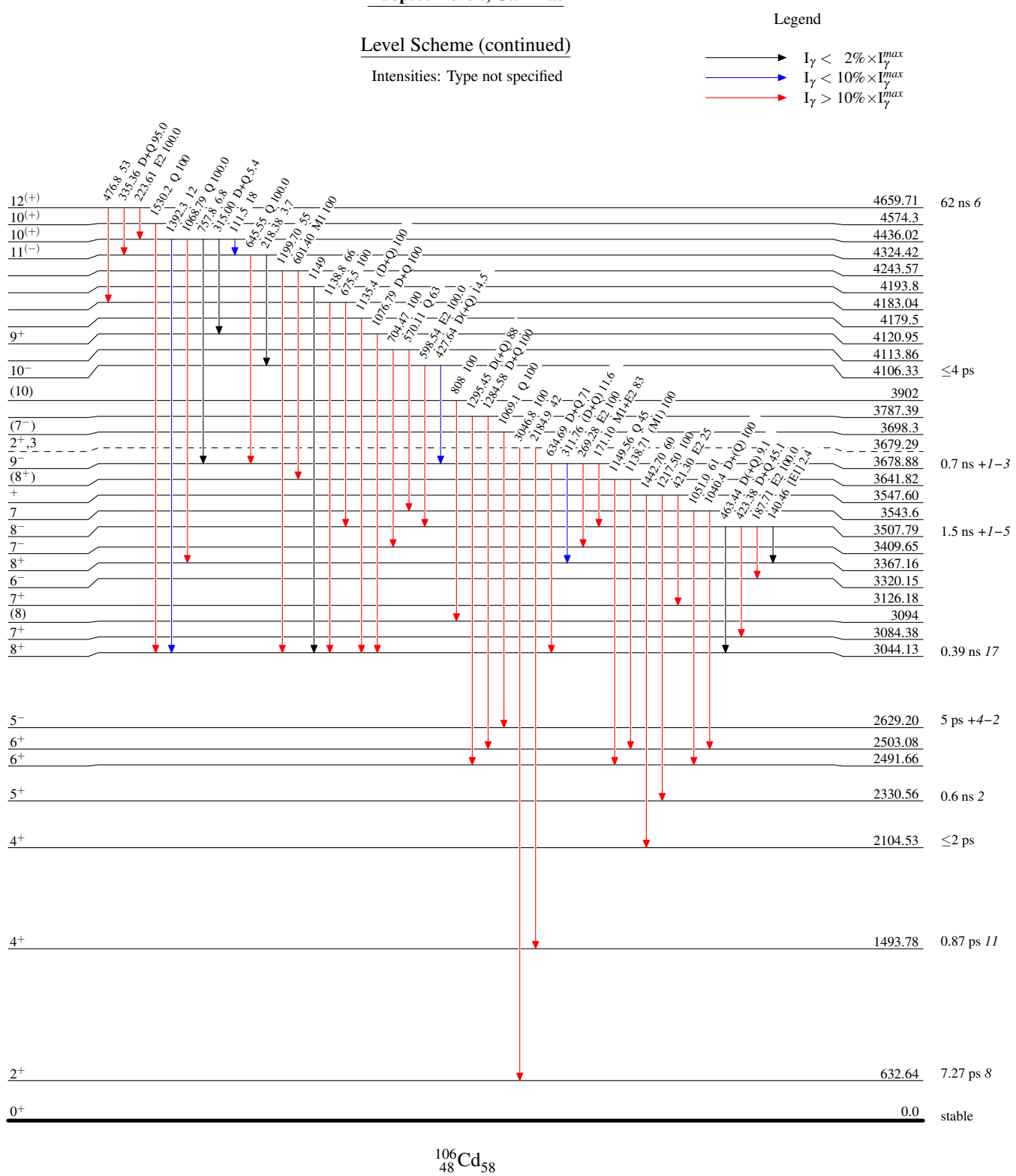


$^{106}_{48}Cd_{58}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

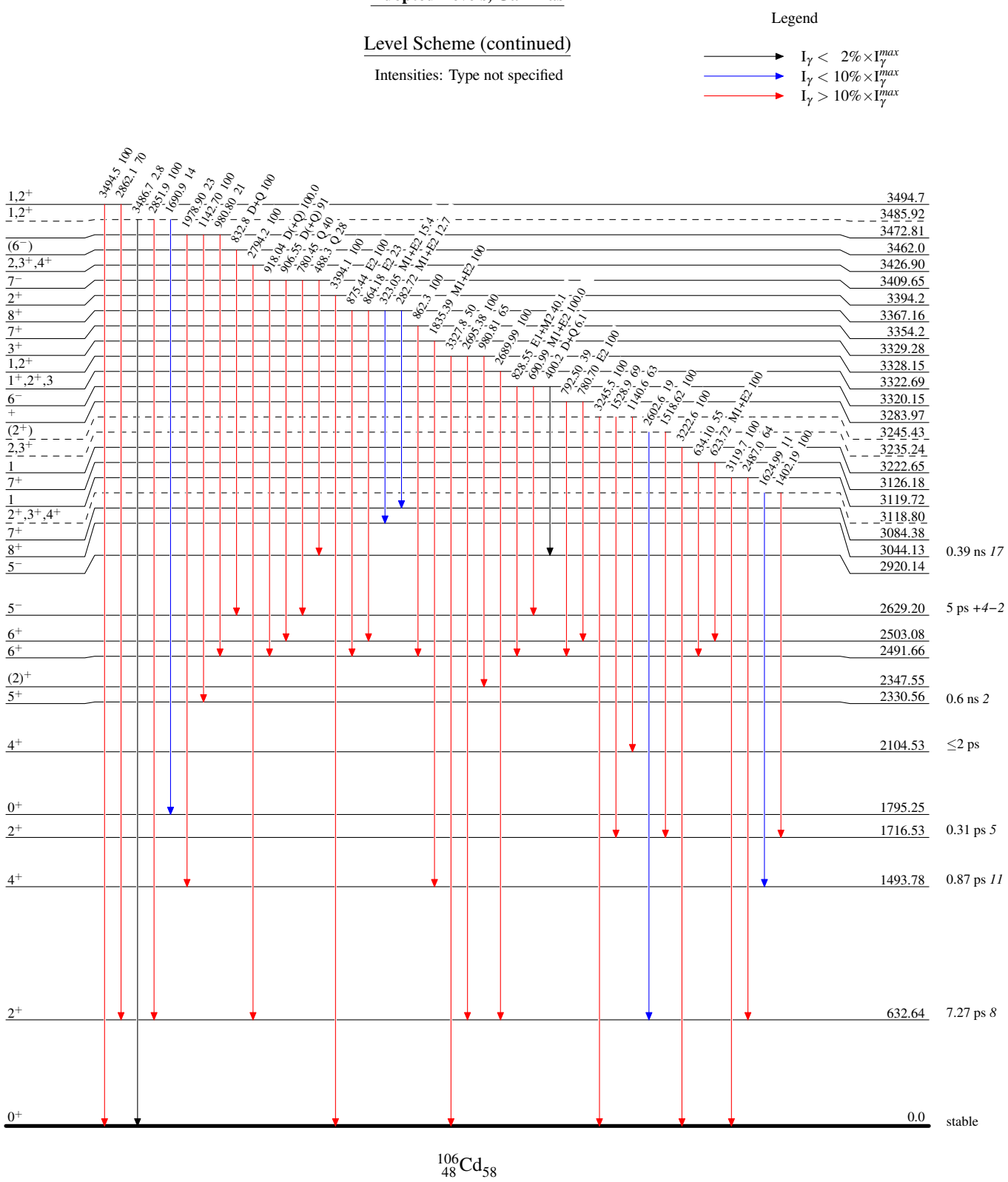


$^{106}_{48}Cd_{58}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified

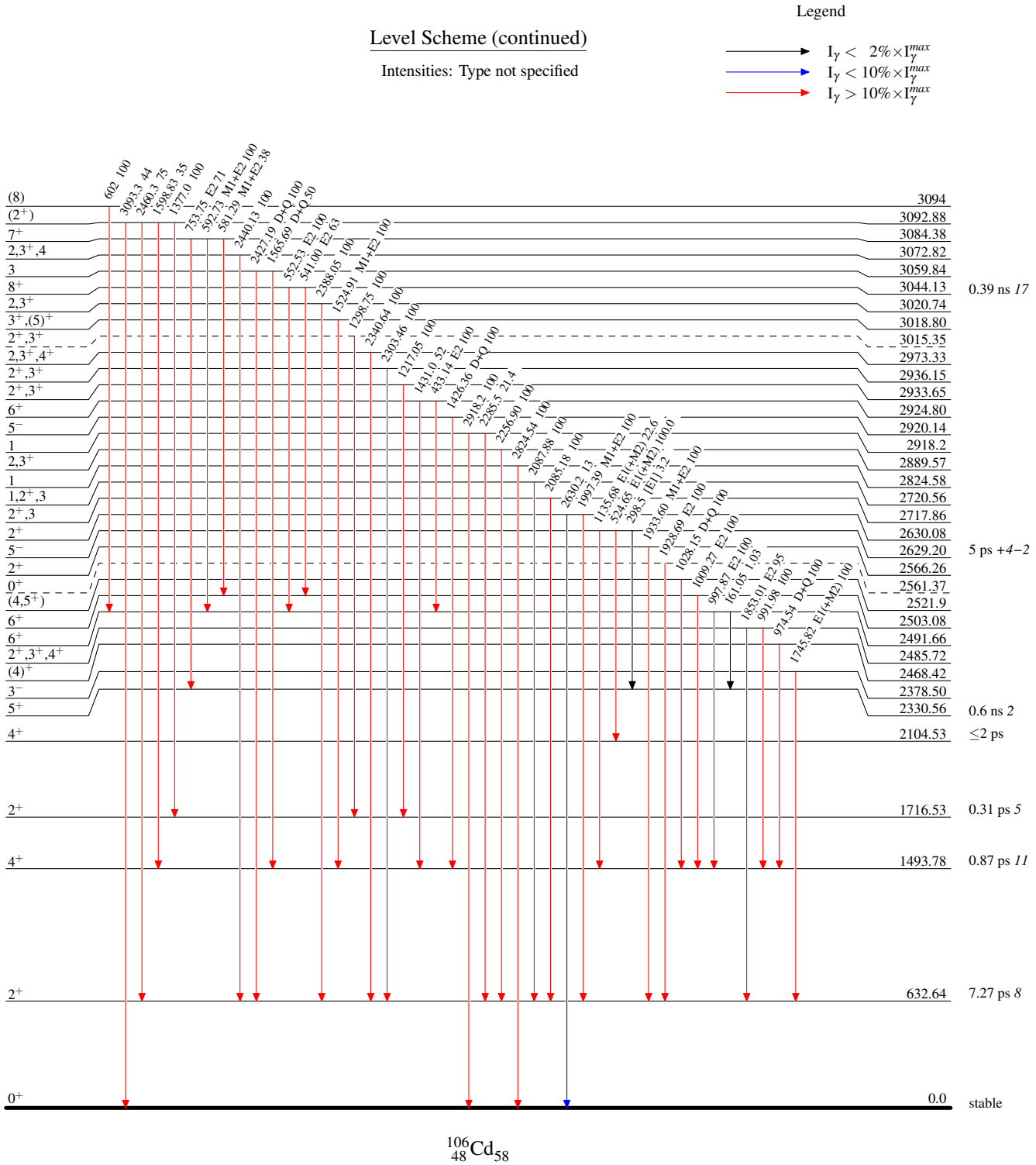


$^{106}_{48}Cd_{58}$

Adopted Levels, Gammas

Level Scheme (continued)

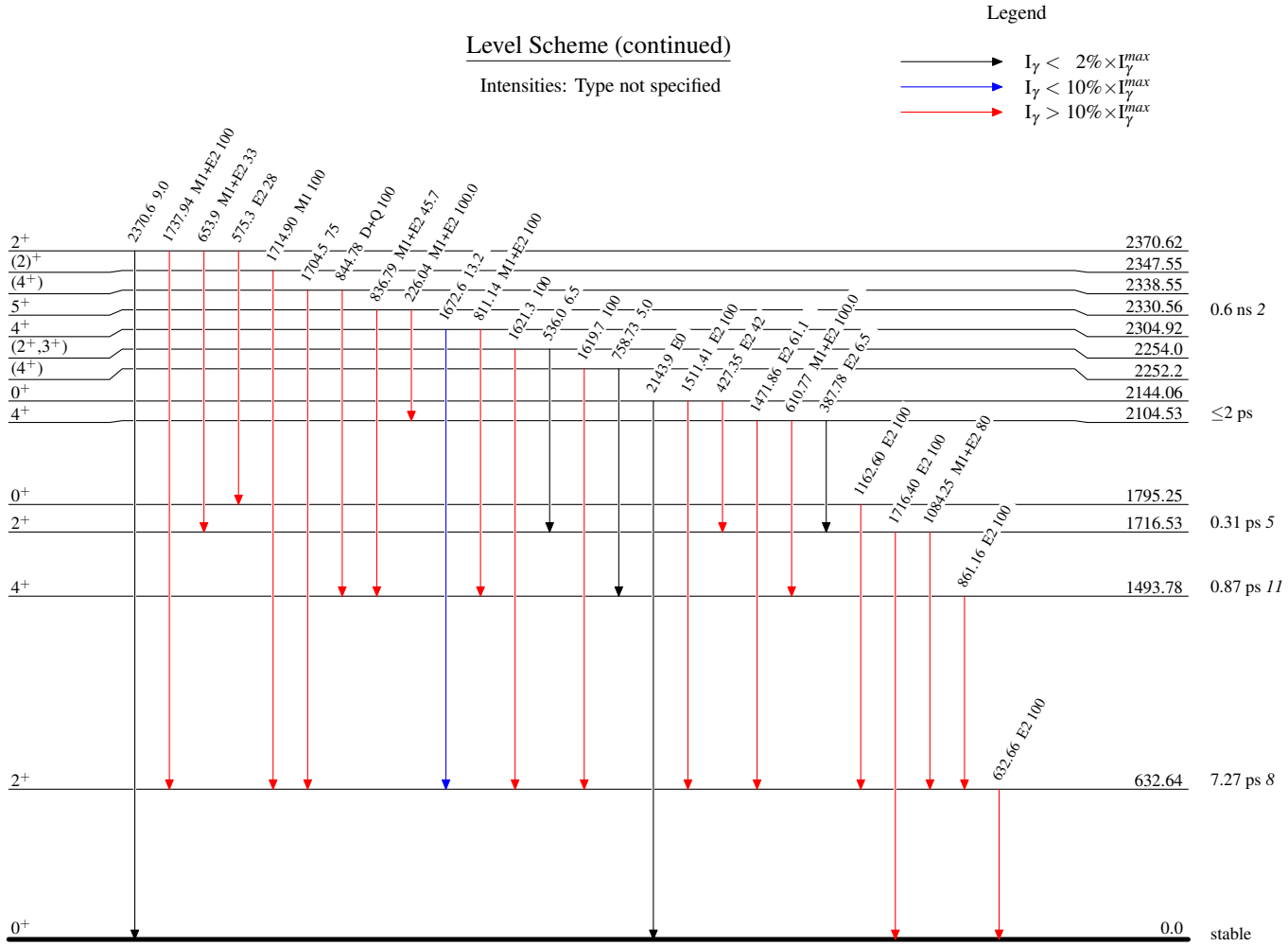
Intensities: Type not specified



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



$^{106}_{48}Cd_{58}$

Adopted Levels, Gammas