

Adopted Levels, Gammas

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	G. Gürdal and F. G. Kondev		NDS 113,1315 (2012)	1-Aug-2011

$Q(\beta^-) = -8392$ 15; $S(n) = 11282$ 16; $S(p) = 6643$ 15; $Q(\alpha) = -1135$ 14 [2012Wa38](#)

Note: Current evaluation has used the following Q record -8394 1511282 166644 14-1138 14 [2011AuZZ](#).

 ^{110}Sn LevelsCross Reference (XREF) Flags

A	^{110}Sb ε decay	E	Coulomb excitation
B	$^{94}\text{Mo}(^{19}\text{F}, p2n\gamma)$	F	$^{112}\text{Sn}(p, t)$
C	$^{98}\text{Mo}(^{16}\text{O}, 4n\gamma)$	G	$^{113}\text{In}(p, 4n\gamma)$, $^{112}\text{Sn}(p, p2n\gamma)$
D	$^{108}\text{Cd}(\alpha, 2n\gamma)$	H	$^{110}\text{Cd}(^3\text{He}, 3n\gamma)$, $^{104}\text{Pd}(^{12}\text{C}, \alpha 2n\gamma)$

E(level) [†]	J^π	$T_{1/2}$ [#]	XREF	Comments
0.0 [@]	0 ⁺	4.154 h 4	ABCDEFGH	$\% \varepsilon = 100$ $T_{1/2}$: Weighted average of 4.15 h 12 (1973Ka45), 4.0 h 2 (1956Me94), 4.173 h 23 (280 γ (t) in 2005Gy02 , uncertainty is statistical only), and 4.153 h 4 (280 γ (t) in 2009Ra17 , uncertainty is statistical only), weighted average of 4.145 h 6 (Au catcher), 4.165 h 9 (Pb catcher) and 4.156 h 7 (Al catcher). Other: 4.1 h (1967Bo43).
1212.02 [@] 9	2 ⁺	0.48 ps 4	ABCDEFGH	$B(E2)\uparrow = 0.226$ 18 J^π : 1212.01 γ E2 to 0 ⁺ . $B(E2)\uparrow$: Weighted average of 0.240 32 from 2007Va22 , measured relative to $B(E2)\uparrow(3/2^+ \text{ (g.s.) to } 7/2^+ \text{ (547 keV level)}) = 0.449$ 41 for ^{197}Au , and 0.220 22 from 2007Ce02 , measured relative to $B(E2)\uparrow(0^+ \text{ to } 2^+) = 0.0695$ 20 for ^{58}Ni .
2058.0 4	(0 ⁺ , 2)		C	$T_{1/2}$: From adopted $B(E2)\uparrow$.
2121.04 23	2 ⁺		A FG	J^π : 846.0 γ to 2 ⁺ . XREF: F(2123). J^π : 908.9 γ to 2 ⁺ ; 2120.8 γ to 0 ⁺ ; direct population in ^{110}Sb ε decay ($J^\pi = (3^+)$).
2197.05 [@] 10	4 ⁺		ABCD FGH	J^π : L(p,t)=4; 984.6 γ E2 to 2 ⁺ ; band structure.
2309 [‡] 3	0 ⁺		F	J^π : L(p,t)=0.
2455.6 3	4 ⁺		A CD G	J^π : 1242.3 γ E2 to 2 ⁺ ; direct population in ^{110}Sb ε decay ($J^\pi = (3^+)$).
2458.42 ^c 15	3 ⁻		C F	XREF: F(2462). J^π : 261.5 γ to 4 ⁺ ; 1246.4 γ E1 to 2 ⁺ ; L(p,t)=3+4. configuration: possible $\nu(h_{11/2}, d_{5/2})$ or octupole structure.
2477.68 [@] 15	6 ⁺	5.6 ns 3	BCD FGH	$\mu = 0.072$ 18 $Q = 0.34$ 4 XREF: D(2480). J^π : L(p,t)=6; 280.2 γ E2 to 4 ⁺ . $T_{1/2}$: Weighted average of 5.6 ns 4 (280 γ (t), slope analysis in $^{104}\text{Pd}(^{12}\text{C}, \alpha 2n\gamma)$, by taking into account the decay of the 8 ⁻ isomer at 3765 keV), 5.2 ns 8 (280 γ (t), centroid-shift analysis in $^{110}\text{Cd}(^3\text{He}, 3n)$) and 5.8 ns 4 (280 γ (t), slope analysis in $^{110}\text{Cd}(^3\text{He}, 3n)$) in 1989An14 . Others: 8.0 ns 2 (1212 γ (t)), 8.4 ns 2 (985 γ (t)) and 8.5 ns 4 (282.9 γ (t)) in 1980Va13 ; <7 ns 282.9 γ (t) in 1969Ya05 . μ : From $g = 0.012$ 3 using $\gamma(\theta, H, t)$ in $^{108}\text{Cd}(\alpha, 2n)$ (1989Vo17). Q : Using $\gamma(\theta, H, t)$ in $^{108}\text{Cd}(\alpha, 2n)$ (1989Vo17). J^π : L(p,t)=2; 1333.6 γ to 2 ⁺ ; 2545.4 γ to 0 ⁺ ; direct population in ^{110}Sb ε decay ($J^\pi = (3^+)$).
2545.7 5	2 ⁺		A F	J^π : L(p,t)=2; 1333.6 γ to 2 ⁺ ; 2545.4 γ to 0 ⁺ ; direct population in ^{110}Sb ε decay ($J^\pi = (3^+)$).

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Adopted Levels, Gammas (continued) ^{110}Sn Levels (continued)

E(level) [†]	J ^π	XREF	Comments
2573 [‡] 3	0 ⁺	F	J ^π : L(p,t)=0.
2694.5 4	4 ⁺	A F	J ^π : L(p,t)=4; 1482.5γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
2742.1 8	0 ⁺	C F	J ^π : L(p,t)=0; 1530.1γ to 2 ⁺ .
2753.67 16	6 ⁺	BCD FG	XREF: D(2756). J ^π : L(p,t)=6; 276.08γ M1(+E2) to 6 ⁺ .
2800.27 ^{&} 13	(6 ⁺)	CD	XREF: D(2804.6). J ^π : 323.1γ to 6 ⁺ , 603.4γ to 4 ⁺ .
2821.5 4	(2 ⁺ ,3,4 ⁺)	A C G	J ^π : 624.4γ to 4 ⁺ ; 1609.5γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
2833.6 3	2 ⁺	A F	XREF: F(2834). J ^π : L(p,t)=2; 636.5γ to 4 ⁺ ; 2834.3γ to 0 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
2857 [‡] 3	2 ⁺	F	J ^π : L(p,t)=2.
2914.8 10	2 ⁺	A F	XREF: F(2919). J ^π : L(p,t)=2; 1702.5γ to 2 ⁺ ; 2915.1γ to 0 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
2948.2 3	(3,4 ⁺)	A G	J ^π : 751.5γ to 4 ⁺ ; 1735.9γ 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)); the absence of γ to 0 ⁺ .
2963.82 14	5 ⁻	CD G	XREF: D(2967.1). J ^π : 486.0γ E1 to 6 ⁺ ; 505.8γ to 3 ⁻ .
2965 [‡] 3	2 ⁺	F	J ^π : L(p,t)=2.
2977.2 5	(2,3,4 ⁺)	A	J ^π : 1765.3γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
2983 [‡] 4 ⁺	4 ⁺	F	J ^π : L(p,t)=4.
2997 [‡] (2 ⁺)	(2 ⁺)	F	J ^π : L(p,t)=(2).
3059 [‡] 3	4 ⁺	F	J ^π : L(p,t)=4.
3083 [‡] 3	2 ⁺	F	J ^π : L(p,t)=2.
3153 [‡] 2 ⁺	2 ⁺	F	J ^π : L(p,t)=2.
3182.9 6	(2,3,4 ⁺)	A	J ^π : 1970.9γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
3183 [‡] 3	0 ⁺	F	J ^π : L(p,t)=0.
3210.9 4	(3,4,5)	C f	XREF: f(3216). J ^π : 1013.8γ to 4 ⁺ .
3222.6 3	(3,4 ⁺)	A fg	XREF: f(3216). J ^π : 1025.8γ to 4 ⁺ ; 2010.1γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)); the absence of γ to 0 ⁺ .
3249.2 8	(6) ⁻	C	J ^π : 285.4γ M1+E2 to 5 ⁻ .
3252 [‡] 4 ⁺	4 ⁺	F	J ^π : L(p,t)=4.
3320 [‡] 2 ⁺	2 ⁺	F	J ^π : L(p,t)=2.
3321.16 ^a 18	(6 ⁺)	C	J ^π : 843.5γ (M1) to 6 ⁺ ; 865.0γ to 4 ⁺ ; band member.
3335.2 5	(6 ⁺)	C	J ^π : 857.5γ to 6 ⁺ .
3355.20 ^c 25	5 ⁻	C F	XREF: F(3357). J ^π : L(p,t)=5; 602.1γ to 6 ⁺ ; 896.2γ to 3 ⁻ ; band member.
3416.92 15	5 ⁻	C	J ^π : 453.4γ M1+E2 to 5 ⁻ ; 938.3γ to 6 ⁺ ; 1219.3γ to 4 ⁺ .
3421 [‡] 3	2 ⁺	F	J ^π : L(p,t)=2.
3446.8 5	(2,3,4 ⁺)	A	J ^π : 2234.9γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
3472 [‡]		F	
3540.5 7	4 ⁺	A F	J ^π : L(p,t)=4; 2328.4γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).
3577 [‡]		F	
3594 [‡]		F	
3609 [‡] 3	4 ⁺	F	J ^π : L(p,t)=4.
3629.8 4	(3,4 ⁺)	A	J ^π : 796.2γ to 2 ⁺ ; 1432.6γ to 4 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)); the absence of γ to 0 ⁺ .

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Adopted Levels, Gammas (continued)

^{110}Sn Levels (continued)					
E(level) [†]	J ^π	T _{1/2} [#]	XREF	Comments	
3643 [‡]			F		
3687.52 ^c 17	7 ⁻		BCD G	XREF: D(3689.3). J ^π : 1208.8γ E1 to 6 ⁺ , 332.0γ to 5 ⁻ ; band member.	
3751 [‡] 3	2 ⁺		F	J ^π : L(p,t)=2.	
3765.77 ^c 17	8 ⁻	1.16 ns 10	BCD G	J ^π : 78.3γ M1+E2 7 ⁻ ; 1012.3γ M2 to 6 ⁺ .	
3807 [‡]			F		
3812 [‡] 3	2 ⁺		F	J ^π : L(p,t)=2.	
3813.09 [@] 22	8 ⁺		BCD	XREF: B(3810.4)D(3814.8). J ^π : 1334.8γ E2 to 6 ⁺ . configuration: possible ν(g _{7/2} ² ,d _{5/2} ²).	
3844 [‡] 3	5 ⁻		F	J ^π : L(p,t)=5.	
3885.0 7	3 ⁻		A F	J ^π : L(p,t)=3; 2673.2γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).	
3933.57 ^c 18	9 ⁻	121 ps 19	BCD	XREF: D(3935.3). J ^π : 167.5γ M1+E2 to 8 ⁻ ; band member. configuration: possible ν(h _{11/2} ,g _{7/2}).	
3971 [‡]			F		
3991.7 ^{&} 3	(8 ⁺)		C	J ^π : 1191.1γ to (6 ⁺); band member. Member of ν[g _{7/2} ² ,h _{11/2} ²] or ν[d _{5/2} ² ,h _{11/2} ²] multiplets.	
4003.77 24	(7) ⁺		C	J ^π : 1249.9γ M1+E2 to 6 ⁺ .	
4132 [‡] 3	3 ⁻ & 5 ⁻		F	J ^π : L(p,t)=3+5.	
4137.86 ^a 20	(8 ⁺)		C	J ^π : 816.7γ to (6 ⁺); band member.	
4158 [‡]			F		
4280.6 7	(8 ⁺)		C	J ^π : 945.4γ to (6 ⁺). configuration: possible member of ν(g _{7/2} ² ,h _{11/2} ²) or ν(d _{5/2} ² ,h _{11/2} ²) multiplets.	
4315.7 3	(8) ⁺		C	J ^π : 311.7γ M1+E2 to (7) ⁺ , 382.7γ to 9 ⁻ . configuration: possible member of ν(h _{11/2} ²) multiplet.	
4317 [‡] 3	4 ⁺		F	J ^π : L(p,t)=4.	
4317.3 4	(10)		D	J ^π : 383.7γ D(+Q) to (9) ⁻ .	
4465 [‡]			F		
4501 [‡]			F		
4600 [‡]			F		
4625.6?			B	E(level): From $^{94}\text{Mo}(^{19}\text{F},p2n\gamma)$. No γ ray were observed to depopulate this level.	
4644 [‡]			F		
4780.44 ^c 20	9 ⁻		BC	J ^π : 1092.9γ E2 to 7 ⁻ ; band member.	
4881.07 ^a 23	(10 ⁺)		C	J ^π : 743.2γ to (8 ⁺).	
4895.20 ^c 20	10 ⁻	<21 ps	BCD G	XREF: D(4897.2). J ^π : 1129.5γ E2 to 8 ⁻ ; band member.	
5006.1 6	(2,3,4 ⁺)		A	J ^π : 2172.3γ to 2 ⁺ ; direct population in ^{110}Sb ε decay (J ^π =(3 ⁺)).	
5017.40 [@] 23	(10 ⁺)		C	J ^π : 1203.7γ to (8 ⁺); band member. configuration: possible ν(g _{7/2} ² ,d _{5/2} ²).	
5108.15 ^c 23	11 ⁻	52 ps 16	BCD	XREF: D(5111.0). J ^π : 1175.3γ E2 to 9 ⁻ ; band member.	
5219.7 ^{&} 4	(10 ⁺)		C	J ^π : 1227.4γ to (8 ⁺); band member. configuration: possibly a competition between the ν(g _{7/2} ² ,d _{5/2} ²) and ν(h _{11/2} ²) multiplets.	
5228.98 ^b 19	10 ⁺		BC	J ^π : 211.0γ M1+E2 to (10 ⁺); 447.7γ E1 to 9 ⁻ ; band member.	

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Adopted Levels, Gammas (continued) ^{110}Sn Levels (continued)

E(level) [†]	J ^π	XREF	Comments
5331.27 ^c 20	11 ⁻	CD	configuration: Possible $\nu(h_{11/2}^2)$. XREF: D(5332.4). J ^π : 1397.0γ E2 to 9 ⁻ .
5730.8 ^a 3	(12 ⁺)	C	J ^π : 849.7γ to (10 ⁺); band member.
5939.4 ^d 3	(9 ⁻)	C	J ^π : 604.5γ to 11 ⁻ ;
6037.14 ^b 21	(12 ⁺)	BC	J ^π : 808.2γ (E2) to 10 ⁺ ; band member.
6066.5 ^d 3	(10 ⁻)	C	J ^π : 127.0γ to (9 ⁻); band member.
6207.13 ^d 21	(11 ⁻)	C	J ^π : 978.2γ to 10 ⁺ ; 1099.0γ D to 11 ⁻ .
6354.9 ^d 4	(12 ⁻)	C	J ^π : 147.7γ to (11 ⁻); 318.0γ to (12 ⁺); band member.
6370.9 ^c 11	(12)	C	J ^π : 1041.0γ to 11 ⁻ ; band member.
6545.2 ^c 5	(13)	C	J ^π : 1215.3γ to 11 ⁻ ; band member.
6598.3 ^a 4	(14 ⁺)	C	J ^π : 867.5γ to (12 ⁺); band member.
6613.2 ^d 8	(13)	C	J ^π : 259.6γ to (12); band member.
6778.04 ^b 23	(14 ⁺)	BC G	J ^π : 740.9γ E2 to (12 ⁺); band member.
6974.4 ^d 13	(14)	C	J ^π : 361.2γ to (13); band member.
7541.1 ^a 5	(16 ⁺)	C	J ^π : 942.8γ to (14 ⁺); band member.
7587.9 ^b 3	(16 ⁺)	BC	J ^π : 809.9γ (E2) to (14 ⁺); band member.
8491.8 ^b 3	(18 ⁺)	BC	J ^π : 903.9γ E2 to (16 ⁺); band member.
9495.2 ^b 3	(20 ⁺)	BC	J ^π : 1003.3γ to (18 ⁺); band member.
10501.5 ^b 6	(22 ⁺)	C	J ^π : 1007.6γ to (20 ⁺); band member.
11516.0 ^b 6	(24 ⁺)	C	

[†] From a least-squares fit to Eγ's, unless otherwise stated.

[‡] From $^{112}\text{Sn}(p,t)$.

From recoil-distance method in 1986Ka25, unless otherwise stated.

@ Band(A): g.s. band.

& Band(B): band based on the 2800.27 keV level.

^a Band(C): band based on the 3321.16 keV level.

^b Band(D): band based on the 5228.98 keV level.

^c Band(E): band based on the 2458.42 keV level.

^d Band(F): band based on the 5939.4 keV level.

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{Sn})$									
$E_i(\text{level})$	J_i^π	$E_\gamma^{\ddagger}$	$I_\gamma^{\ddagger}$	E_f	J_f^π	Mult. @	$\delta\&$	$\alpha^\dagger$	Comments
1212.02	2 ⁺	1212.01 9	100	0.0	0 ⁺	E2		0.000859 12	$\alpha(\text{K})=0.000740$ 11; $\alpha(\text{L})=8.95\times 10^{-5}$ 13; $\alpha(\text{M})=1.746\times 10^{-5}$ 25; $\alpha(\text{N}+..)=1.203\times 10^{-5}$ $\alpha(\text{N})=3.28\times 10^{-6}$ 5; $\alpha(\text{O})=2.83\times 10^{-7}$ 4; $\alpha(\text{IPF})=8.47\times 10^{-6}$ 12 B(E2)(W.u.)=14.4 12 E γ : From $^{108}\text{Cd}(\alpha, 2n\gamma)$. Mult.: DCO=1.00 9; A ₂ =+0.20 7, A ₄ =-0.07 4 (2005Wo03).
2058.0	(0 ⁺ , 2)	846.0 4	100	1212.02	2 ⁺				
2121.04	2 ⁺	908.9 [#] 3	100 [#] 8	1212.02	2 ⁺				
		2120.8 [#] 6	94 [#] 5	0.0	0 ⁺				
2197.05	4 ⁺	985.03 3	100	1212.02	2 ⁺	E2		0.001330 19	$\alpha(\text{K})=0.001155$ 17; $\alpha(\text{L})=0.0001421$ 20; $\alpha(\text{M})=2.78\times 10^{-5}$ 4; $\alpha(\text{N}+..)=5.65\times 10^{-6}$ $\alpha(\text{N})=5.21\times 10^{-6}$ 8; $\alpha(\text{O})=4.43\times 10^{-7}$ 7 E γ : From $^{108}\text{Cd}(\alpha, 2n\gamma)$. Mult.: DCO=0.96 8; A ₂ =+0.29 7, A ₄ =-0.01 1 (2005Wo03); $\alpha(\text{K})_{\text{exp}}=1.16\times 10^{-3}$; A ₂ =0.314 13, A ₄ =-0.06 2 (1980Va13).
2455.6	4 ⁺	1243.3 [#] 3	100 [#]	1212.02	2 ⁺	E2		0.000820 12	$\alpha(\text{K})=0.000702$ 10; $\alpha(\text{L})=8.48\times 10^{-5}$ 12; $\alpha(\text{M})=1.653\times 10^{-5}$ 24; $\alpha(\text{N}+..)=1.644\times 10^{-5}$ $\alpha(\text{N})=3.11\times 10^{-6}$ 5; $\alpha(\text{O})=2.68\times 10^{-7}$ 4; $\alpha(\text{IPF})=1.306\times 10^{-5}$ 19 Mult.: $\alpha(\text{K})_{\text{exp}}=0.67\times 10^{-3}$ 12; A ₂ =0.31 2, A ₄ =-0.06 4 (1980Va13).
2458.42	3 ⁻	261.5 2	40 4	2197.05	4 ⁺				
		1246.4 2	100 13	1212.02	2 ⁺	E1		0.000424 6	$\alpha(\text{K})=0.000319$ 5; $\alpha(\text{L})=3.72\times 10^{-5}$ 6; $\alpha(\text{M})=7.23\times 10^{-6}$ 11; $\alpha(\text{N}+..)=6.04\times 10^{-5}$ 9 Mult.: A ₂ =-0.16 5, A ₄ =+0.01 2 (2005Wo03).
2477.68	6 ⁺	280.2 3	100	2197.05	4 ⁺	E2		0.0444	$\alpha(\text{K})=0.0372$ 6; $\alpha(\text{L})=0.00584$ 9; $\alpha(\text{M})=0.001160$ 17; $\alpha(\text{N}+..)=0.000227$ 4 $\alpha(\text{N})=0.000213$ 3; $\alpha(\text{O})=1.473\times 10^{-5}$ 22 B(E2)(W.u.)=1.79 10 Mult.: DCO=1.20 13; A ₂ =+0.11 1, A ₄ =-0.14 9; $\alpha(\text{K})_{\text{exp}}=0.030$ 12; A ₂ =0.32 3, A ₄ =-0.07 10 (1980Va13).
2545.7	2 ⁺	1333.6 [#] 5	100 [#] 12	1212.02	2 ⁺				
		2545.4 [#] 15	35 [#] 12	0.0	0 ⁺				
2694.5	4 ⁺	1482.5 [#] 4	100 [#]	1212.02	2 ⁺				
2742.1	0 ⁺	1530.1 8	100	1212.02	2 ⁺				
2753.67	6 ⁺	276.08 6	100	2477.68	6 ⁺	M1(+E2)	0.0 2	0.0354 7	$\alpha(\text{K})=0.0307$ 6; $\alpha(\text{L})=0.00381$ 11; $\alpha(\text{M})=0.000747$ 22; $\alpha(\text{N}+..)=0.000153$ 4 E γ : From $^{108}\text{Cd}(\alpha, 2n\gamma)$. Mult.: DCO=1.18 25; A ₂ =+0.35 9, A ₄ =-0.01 2; $\alpha(\text{K})_{\text{exp}}=0.038$ 8; A ₂ =0.382 11, A ₄ =0.01 2 (1980Va13).

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{Sn})$ (continued)							Comments
$E_i(\text{level})$	J_i^π	E_γ [‡]	I_γ [‡]	E_f	J_f^π	Mult. @	
2800.27	(6 ⁺)	323.1 2 603.4 1	48 4 100 8	2477.68 6 ⁺ 2197.05 4 ⁺			E_γ : 324.6 keV 2 in $^{108}\text{Cd}(\alpha, 2n\gamma)$.
2821.5	(2 ⁺ , 3, 4 ⁺)	624.4 [#] 5	44 [#] 4	2197.05 4 ⁺			
		1609.5 [#] 5	100 [#] 8	1212.02 2 ⁺			
2833.6	2 ⁺	636.5 [#] 4	100 [#] 9	2197.05 4 ⁺			
		1621.4 [#] 5	38 [#] 6	1212.02 2 ⁺			
		2834.3 [#] 15	8 [#] 4	0.0 0 ⁺			
2914.8	2 ⁺	1702.5 [#] 12	100 [#] 36	1212.02 2 ⁺			
		2915.1 [#] 15	86 [#] 36	0.0 0 ⁺			
2948.2	(3, 4 ⁺)	751.5 [#] 4	44 [#] 4	2197.05 4 ⁺			
		827.1 [#] 3	100 [#] 7	2121.04 2 ⁺			
		1735.9 [#] 5	75 [#] 4	1212.02 2 ⁺			
2963.82	5 ⁻	163.9 1 486.0 1	69 8 100 8	2800.27 (6 ⁺) 2477.68 6 ⁺		E1	$\alpha(\text{K})=0.00222$ 4; $\alpha(\text{L})=0.000266$ 4; $\alpha(\text{M})=5.18\times 10^{-5}$ 8; $\alpha(\text{N}+..)=1.053\times 10^{-5}$ 15 $\alpha(\text{N})=9.71\times 10^{-6}$ 14; $\alpha(\text{O})=8.22\times 10^{-7}$ 12 Mult.: DCO=0.56 22; $A_2=-0.44$ 14, $A_4=+0.01$ 2.
		505.8 2	85 8	2458.42 3 ⁻			
2977.2	(2, 3, 4 ⁺)	1765.3 [#] 5	100 [#]	1212.02 2 ⁺			
3182.9	(2, 3, 4 ⁺)	1970.9 6	100	1212.02 2 ⁺			
3210.9	(3, 4, 5)	1013.8 3	100	2197.05 4 ⁺			
3222.6	(3, 4 ⁺)	766.8 [#] 6	36 [#] 12	2455.6 4 ⁺			
		1025.8 [#] 4	100 [#] 12	2197.05 4 ⁺			
		1101.2 [#] 6	33 [#] 8	2121.04 2 ⁺			
		2010.1 [#] 12	18 [#] 6	1212.02 2 ⁺			
3249.2	(6) ⁻	285.4 7	100	2963.82 5 ⁻		M1+E2	$\alpha(\text{K})=0.032$ 4; $\alpha(\text{L})=0.0045$ 10; $\alpha(\text{M})=0.00089$ 21; $\alpha(\text{N}+..)=0.00018$ 4 $\alpha(\text{N})=0.00016$ 4; $\alpha(\text{O})=1.26\times 10^{-5}$ 14 Mult.: DCO=1.03 17; $A_2=-0.13$ 19, $A_4=+0.04$ 7.
3321.16	(6 ⁺)	843.5 1	100 9	2477.68 6 ⁺		(M1)	$\alpha(\text{K})=0.00200$ 3; $\alpha(\text{L})=0.000240$ 4; $\alpha(\text{M})=4.68\times 10^{-5}$ 7; $\alpha(\text{N}+..)=9.61\times 10^{-6}$ 14 $\alpha(\text{N})=8.83\times 10^{-6}$ 13; $\alpha(\text{O})=7.79\times 10^{-7}$ 11 Mult.: DCO=0.53 13.
		865.0 5	26 4	2455.6 4 ⁺			
3335.2	(6 ⁺)	857.5 4	100	2477.68 6 ⁺			
3355.20	5 ⁻	602.1 3	65 4	2753.67 6 ⁺			
		896.2 3	100 13	2458.42 3 ⁻			
3416.92	5 ⁻	453.4 1	23 5	2963.82 5 ⁻		M1+E2	$\alpha(\text{K})=0.00856$ 23; $\alpha(\text{L})=0.00111$ 5; $\alpha(\text{M})=0.000218$ 10;

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{Sn})$ (continued)									
$E_i(\text{level})$	J_i^π	$E_\gamma^{\ddagger}$	$I_\gamma^{\ddagger}$	E_f	J_f^π	Mult. [@]	$\delta^\&$	$\alpha^\ddagger$	Comments
$\alpha(\text{N}+..)=4.42\times 10^{-5}$ 15 $\alpha(\text{N})=4.08\times 10^{-5}$ 16; $\alpha(\text{O})=3.36\times 10^{-6}$ 11 Mult.: DCO=1.04 16; $A_2=+0.36$ 20, $A_4=+0.06$ 9.									
3416.92	5 ⁻	938.3 3	30 5	2477.68	6 ⁺				
		1219.3 2	100 8	2197.05	4 ⁺				
3446.8	(2,3,4 ⁺)	1325.6 [#] 6	22 [#] 4	2121.04	2 ⁺				
		2234.9 [#] 8	100 [#] 12	1212.02	2 ⁺				
3540.5	4 ⁺	1419.6 [#] 9	28 [#] 8	2121.04	2 ⁺				
		2328.4 [#] 8	100 [#] 17	1212.02	2 ⁺				
3629.8	(3,4 ⁺)	796.2 [#] 7	32 [#] 7	2833.6	2 ⁺				
		1432.6 [#] 5	100 [#] 14	2197.05	4 ⁺				
		2417.8 [#] 12	56 [#] 14	1212.02	2 ⁺				
3687.52	7 ⁻	270.8 2	5.8 3	3416.92	5 ⁻				
		332.0 ^a 1	0.7 3	3355.20	5 ⁻				
		437.2 ^a 3	2.3 3	3249.2	(6) ⁻				
		933.9 2	5.5 3	2753.67	6 ⁺	(E1)		0.000623 9	$\alpha(\text{K})=0.000544$ 8; $\alpha(\text{L})=6.40\times 10^{-5}$ 9; $\alpha(\text{M})=1.244\times 10^{-5}$ 18; $\alpha(\text{N}+..)=2.54\times 10^{-6}$ 4 $\alpha(\text{N})=2.34\times 10^{-6}$ 4; $\alpha(\text{O})=2.03\times 10^{-7}$ 3 Mult.: $A_2=-0.22$ 9, $A_4=+0.01$ 1.
		1208.8 5	100 3	2477.68	6 ⁺	E1		0.000424 6	$\alpha(\text{K})=0.000337$ 5; $\alpha(\text{L})=3.93\times 10^{-5}$ 6; $\alpha(\text{M})=7.64\times 10^{-6}$ 11; $\alpha(\text{N}+..)=4.04\times 10^{-5}$ 7 $\alpha(\text{N})=1.438\times 10^{-6}$ 21; $\alpha(\text{O})=1.252\times 10^{-7}$ 18; $\alpha(\text{IPF})=3.89\times 10^{-5}$ 6 Mult.: DCO=0.72 09; $A_2=-0.29$ 9, $A_4=+0.01$ 1; $\alpha(\text{K})\text{exp}=0.67\times 10^{-3}$ 8 for unresolved 1209.4-1212.0 doublet in 1980Va13.
3765.77	8 ⁻	78.3 1	100 4	3687.52	7 ⁻	M1+E2	+0.05 3	1.136 20	$\alpha(\text{K})=0.979$ 16; $\alpha(\text{L})=0.127$ 4; $\alpha(\text{M})=0.0250$ 9; $\alpha(\text{N}+..)=0.00509$ 15 $\alpha(\text{N})=0.00469$ 15; $\alpha(\text{O})=0.000400$ 7 B(M1)(W.u.)=0.0153 16; B(E2)(W.u.)=5 +7-5 Mult.: DCO=1.3 3; $A_2=+0.07$ 5, $A_4=+0.06$ 3; $0.07\leq\alpha\leq 1.5$ deduced from intensity balance by the authors in 1980Va13. $\alpha=1.5$ 2 by the evaluators.
		1012.3 1	37.7 22	2753.67	6 ⁺	M2		0.00370 6	$\alpha(\text{K})=0.00320$ 5; $\alpha(\text{L})=0.000398$ 6; $\alpha(\text{M})=7.81\times 10^{-5}$ 11; $\alpha(\text{N}+..)=1.601\times 10^{-5}$ 23 $\alpha(\text{N})=1.472\times 10^{-5}$ 21; $\alpha(\text{O})=1.292\times 10^{-6}$ 18 B(M2)(W.u.)=0.160 18 Mult.: DCO=0.90 15; $A_2=+0.30$ 12, $A_4=-0.06$ 7; $\alpha(\text{K})\text{exp}=3.8\times 10^{-3}$ 12 (1980Va13).
		1287.5 ^a 5	6.5 7	2477.68	6 ⁺	[M2]		0.00202 3	$\alpha(\text{K})=0.001752$ 25; $\alpha(\text{L})=0.000214$ 3; $\alpha(\text{M})=4.19\times 10^{-5}$ 6; $\alpha(\text{N}+..)=1.344\times 10^{-5}$ 19

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{Sn})$ (continued)									Comments
$E_i(\text{level})$	J_i^π	$E_\gamma^{\ddagger}$	$I_\gamma^{\ddagger}$	E_f	J_f^π	Mult. @	$\delta^\&$	$\alpha^\dagger$	
3813.09	8 ⁺	1334.8 2	100	2477.68	6 ⁺	E2		0.000729 11	$\alpha(\text{K})=0.001752$ 25; $\alpha(\text{L})=0.000214$ 3; $\alpha(\text{M})=4.19\times 10^{-5}$ 6; $\alpha(\text{N}+..)=1.344\times 10^{-5}$ 19 $\alpha(\text{N})=7.91\times 10^{-6}$ 11; $\alpha(\text{O})=6.97\times 10^{-7}$ 10; $\alpha(\text{IPF})=4.83\times 10^{-6}$ 8 $\text{B}(\text{M}2)(\text{W.u.})=0.0083$ 12 $\alpha(\text{K})=0.000608$ 9; $\alpha(\text{L})=7.30\times 10^{-5}$ 11; $\alpha(\text{M})=1.423\times 10^{-5}$ 20; $\alpha(\text{N}+..)=3.37\times 10^{-5}$ 5 $\alpha(\text{N})=2.68\times 10^{-6}$ 4; $\alpha(\text{O})=2.32\times 10^{-7}$ 4; $\alpha(\text{IPF})=3.08\times 10^{-5}$ 5 Mult.: $A_2=+0.36$ 15; $A_4=-0.03$ 4; $\alpha(\text{K})_{\text{exp}}=0.59\times 10^{-3}$ 10; $A_2=0.35$ 2, $A_4=-0.01$ 5 in 1980Va13.
3885.0	3 ⁻	1339.2 [#] 7	23 [#] 4	2545.7	2 ⁺				
		2673.2 [#] 10	100 [#] 17	1212.02	2 ⁺				
3933.57	9 ⁻	167.84 6	100	3765.77	8 ⁻	M1+E2	0.08 3	0.1341 20	$\text{B}(\text{M}1)(\text{W.u.})=0.034$ 6; $\text{B}(\text{E}2)(\text{W.u.})=6$ 5 $\alpha(\text{K})=0.1159$ 17; $\alpha(\text{L})=0.0147$ 3; $\alpha(\text{M})=0.00289$ 5; $\alpha(\text{N}+..)=0.000589$ 10 E_γ : From $^{108}\text{Cd}(\alpha, 2n\gamma)$. Mult.: $\text{DCO}=1.13$ 23; $\alpha(\text{K})_{\text{exp}}=0.15$ 3; $A_2=-0.090$ 10, $A_4=-0.01$ 2 (1980Va13). δ : Other: 0.06 3 (1986Ka25).
3991.7	(8 ⁺)	1191.1 3	100	2800.27	(6 ⁺)				
4003.77	(7) ⁺	1249.9 2	100	2753.67	6 ⁺	M1+E2		0.00089 8	$\alpha(\text{K})=0.00076$ 7; $\alpha(\text{L})=9.1\times 10^{-5}$ 8; $\alpha(\text{M})=1.78\times 10^{-5}$ 15; $\alpha(\text{N}+..)=1.69\times 10^{-5}$ 6 $\alpha(\text{N})=3.4\times 10^{-6}$ 3; $\alpha(\text{O})=2.9\times 10^{-7}$ 3; $\alpha(\text{IPF})=1.33\times 10^{-5}$ 9 Mult.: $\text{DCO}=0.8$ 3; $A_2=+0.5$ 4, $A_4=+0.13$ 10.
4137.86	(8 ⁺)	816.7 1	100	3321.16	(6 ⁺)				
4280.6	(8 ⁺)	945.4 5	100	3335.2	(6 ⁺)				
4315.7	(8) ⁺	311.7 2	100 9	4003.77	(7) ⁺	M1+E2		0.029 3	$\alpha(\text{K})=0.0244$ 20; $\alpha(\text{L})=0.0034$ 7; $\alpha(\text{M})=0.00067$ 13; $\alpha(\text{N}+..)=0.000134$ 23 $\alpha(\text{N})=0.000124$ 22; $\alpha(\text{O})=9.7\times 10^{-6}$ 8 Mult.: $A_2=+0.25$ 21, $A_4=+0.02$ 2.
4317.3	(10)	382.7 4 383.7 3	45 9 100	3933.57 9 ⁻ 3933.57 9 ⁻		M1(+E2)	0.0 2	0.01527	$\alpha(\text{K})=0.01326$ 19; $\alpha(\text{L})=0.00163$ 3; $\alpha(\text{M})=0.000319$ 6; $\alpha(\text{N}+..)=6.53\times 10^{-5}$ 11 $\alpha(\text{N})=6.00\times 10^{-5}$ 10; $\alpha(\text{O})=5.25\times 10^{-6}$ 8 E_γ, I_γ : From $^{108}\text{Cd}(\alpha, 2n\gamma)$. Mult.: $A_2=-0.16$ 2, $A_4=-0.01$ 3.
4780.44	9 ⁻	848.5 ^a 9 967.4 4 1092.9 1	6 3 8 3 100 8	3933.57 9 ⁻ 3813.09 8 ⁺ 3687.52 7 ⁻		E2		0.001060 15	$\alpha(\text{K})=0.000921$ 13; $\alpha(\text{L})=0.0001122$ 16; $\alpha(\text{M})=2.19\times 10^{-5}$ 3; $\alpha(\text{N}+..)=4.47\times 10^{-6}$

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{Sn})$ (continued)							
$E_i(\text{level})$	J_i^π	$E_\gamma^{\ddagger}$	$I_\gamma^{\ddagger}$	E_f	J_f^π	Mult. @	$\alpha^\dagger$
							Comments
							$\alpha(\text{K})=0.000921$ 13; $\alpha(\text{L})=0.0001122$ 16; $\alpha(\text{M})=2.19\times 10^{-5}$ 3; $\alpha(\text{N}+..)=4.47\times 10^{-6}$ $\alpha(\text{N})=4.12\times 10^{-6}$ 6; $\alpha(\text{O})=3.53\times 10^{-7}$ 5 Mult.: $A_2=+0.24$ 11, $A_4=-0.09$ 5.
4881.07	(10 ⁺)	743.2 1	100	4137.86	(8 ⁺)		
4895.20	10 ⁻	1129.5 1	100	3765.77	8 ⁻	E2	0.000989 14
							$\alpha(\text{K})=0.000858$ 12; $\alpha(\text{L})=0.0001043$ 15; $\alpha(\text{M})=2.04\times 10^{-5}$ 3; $\alpha(\text{N}+..)=5.44\times 10^{-6}$ $\alpha(\text{N})=3.83\times 10^{-6}$ 6; $\alpha(\text{O})=3.28\times 10^{-7}$ 5; $\alpha(\text{IPF})=1.280\times 10^{-6}$ 19 B(E2)(W.u.)>0.47 Mult.: DCO=0.64 14; $A_2=+0.26$ 11, $A_4=-0.08$ 7; $\alpha(\text{K})\text{exp}=0.57\times 10^{-3}$ 12; $A_2=0.42$ 7, $A_4=-0.18$ 8 (1980Va13).
5006.1	(2,3,4 ⁺)	1375.8 [#] 9	6.0 [#] 25	3629.8	(3,4 ⁺)		
		2029.1 [#] 6	100 [#] 8	2977.2	(2,3,4 ⁺)		
		2172.3 [#] 15	3.0 [#] 12	2833.6	2 ⁺		
5017.40	(10 ⁺)	1203.7 2	100	3813.09	8 ⁺		
5108.15	11 ⁻	1175.3 5	100	3933.57	9 ⁻	E2	0.000912 13
							$\alpha(\text{K})=0.000790$ 11; $\alpha(\text{L})=9.57\times 10^{-5}$ 14; $\alpha(\text{M})=1.87\times 10^{-5}$ 3; $\alpha(\text{N}+..)=8.05\times 10^{-6}$ 12 $\alpha(\text{N})=3.51\times 10^{-6}$ 5; $\alpha(\text{O})=3.02\times 10^{-7}$ 5; $\alpha(\text{IPF})=4.24\times 10^{-6}$ 8 B(E2)(W.u.)=0.16 5 Mult.: DCO=0.94 18; $A_2=+0.33$ 8, $A_4=-0.05$ 2; $\alpha(\text{K})\text{exp}=0.75\times 10^{-3}$ 15; $A_2=0.36$ 2, $A_4=-0.11$ 5 (1980Va13).
5219.7	(10 ⁺)	1227.4 4	100	3991.7	(8 ⁺)		
5228.98	10 ⁺	211.0 2	23.5	5017.40	(10 ⁺)	M1+E2	0.094 22
							$\alpha(\text{K})=0.079$ 17; $\alpha(\text{L})=0.012$ 5; $\alpha(\text{M})=0.0024$ 9; $\alpha(\text{N}+..)=0.00048$ 17 $\alpha(\text{N})=0.00045$ 16; $\alpha(\text{O})=3.2\times 10^{-5}$ 7 Mult.: DCO=1.07 15; $A_2=-0.15$ 1, $A_4=-0.20$ 22.
		334.5 3	15 3	4895.20	10 ⁻		
		447.7 8	100 3	4780.44	9 ⁻	E1	0.00310 5
							$\alpha(\text{K})=0.00270$ 4; $\alpha(\text{L})=0.000324$ 5; $\alpha(\text{M})=6.32\times 10^{-5}$ 10; $\alpha(\text{N}+..)=1.284\times 10^{-5}$ 19 $\alpha(\text{N})=1.184\times 10^{-5}$ 18; $\alpha(\text{O})=9.99\times 10^{-7}$ 15 Mult.: DCO=0.55 10; $A_2=-0.35$ 16, $A_4=+0.001$ 3. E_γ, I_γ : From $^{94}\text{Mo}(^{19}\text{F}, p2n\gamma)$.
		600.8 5	75 13	4625.6?			
		912.8 7	8.8	4315.7	(8 ⁺)		
		1295.6 1	56 3	3933.57	9 ⁻	D	
5331.27	11 ⁻	1397.6 1	100	3933.57	9 ⁻	E2	0.000684 10
							Mult.: DCO=0.60 18; $A_2=+0.4$ 4, $A_4=+0.16$ 18. $\alpha(\text{K})=0.000554$ 8; $\alpha(\text{L})=6.64\times 10^{-5}$ 10; $\alpha(\text{M})=1.293\times 10^{-5}$ 19; $\alpha(\text{N}+..)=5.03\times 10^{-5}$ 7 $\alpha(\text{N})=2.43\times 10^{-6}$ 4; $\alpha(\text{O})=2.11\times 10^{-7}$ 3; $\alpha(\text{IPF})=4.77\times 10^{-5}$ 7 Mult.: DCO=0.9 3; $A_2=+0.19$ 8, $A_4=-0.11$ 6; $\alpha(\text{K})\text{exp}=0.56\times 10^{-3}$ 14; $A_2=0.38$ 3, $A_4=-0.08$ 4 (1980Va13).
5730.8	(12 ⁺)	849.7 2	100	4881.07	(10 ⁺)		

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{Sn})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\ddagger$	$I_\gamma^\ddagger$	E_f	J_f^π	Mult. @	$\alpha^\dagger$	Comments
5939.4	(9 ⁻)	604.5 6	100	5331.27	11 ⁻			
6037.14	(12 ⁺)	808.2 1	100 6	5228.98	10 ⁺	(E2)	0.00210 3	$\alpha(\text{K})=0.00182$ 3; $\alpha(\text{L})=0.000229$ 4; $\alpha(\text{M})=4.47\times 10^{-5}$ 7; $\alpha(\text{N}+..)=9.08\times 10^{-6}$ 13 $\alpha(\text{N})=8.38\times 10^{-6}$ 12; $\alpha(\text{O})=7.02\times 10^{-7}$ 10 Mult.: DCO=1.11 13; $A_2=+0.43$ 11, $A_4=-0.01$ 1 for 808+810.
		816.9 4	8.2 10	5219.7	(10 ⁺)			
		1019.1 9	4.1 10	5017.40	(10 ⁺)			
6066.5	(10 ⁻)	127.0 1	100	5939.4	(9 ⁻)			
6207.13	(11 ⁻)	140.2 2	8 4	6066.5	(10 ⁻)			
		876.0 4	32 4	5331.27	11 ⁻			
		978.2 1	52 16	5228.98	10 ⁺			
		1099.0 1	100 4	5108.15	11 ⁻	D		Mult.: DCO=0.90 15.
6354.9	(12 ⁻)	147.7 3	100 33	6207.13	(11 ⁻)			
		318.0 8	33 33	6037.14	(12 ⁺)			
6370.9	(12)	1041.0 ^a 10	100	5331.27	11 ⁻			
6545.2	(13)	1215.3 ^a 1	100	5331.27	11 ⁻			
6598.3	(14 ⁺)	867.5 2	100	5730.8	(12 ⁺)			
6613.2?	(13)	259.6 ^a 5	100	6354.9	(12 ⁻)			
6778.04	(14 ⁺)	740.9 1	100	6037.14	(12 ⁺)	E2	0.00260 4	$\alpha(\text{K})=0.00224$ 4; $\alpha(\text{L})=0.000285$ 4; $\alpha(\text{M})=5.58\times 10^{-5}$ 8; $\alpha(\text{N}+..)=1.131\times 10^{-5}$ 16 $\alpha(\text{N})=1.044\times 10^{-5}$ 15; $\alpha(\text{O})=8.67\times 10^{-7}$ 13 Mult.: DCO=1.02 10; $A_2=+0.29$ 9; $A_4=-0.06$ 7.
6974.4?	(14)	361.2 ^a 10	100	6613.2?	(13)			
7541.1	(16 ⁺)	942.8 2	100	6598.3	(14 ⁺)			
7587.9	(16 ⁺)	809.9 1	100	6778.04	(14 ⁺)	(E2)	0.00209 3	$\alpha(\text{K})=0.00181$ 3; $\alpha(\text{L})=0.000227$ 4; $\alpha(\text{M})=4.45\times 10^{-5}$ 7; $\alpha(\text{N}+..)=9.03\times 10^{-6}$ 13 $\alpha(\text{N})=8.33\times 10^{-6}$ 12; $\alpha(\text{O})=6.98\times 10^{-7}$ 10 Mult.: DCO=1.11 13; $A_2=+0.43$ 11, $A_4=-0.01$ 1 for 808 γ +810 γ .
8491.8	(18 ⁺)	903.9 1	100	7587.9	(16 ⁺)	E2	0.001616 23	$\alpha(\text{K})=0.001401$ 20; $\alpha(\text{L})=0.0001739$ 25; $\alpha(\text{M})=3.40\times 10^{-5}$ 5; $\alpha(\text{N}+..)=6.91\times 10^{-6}$ $\alpha(\text{N})=6.37\times 10^{-6}$ 9; $\alpha(\text{O})=5.39\times 10^{-7}$ 8 Mult.: $A_2=+0.17$ 17; $A_4=-0.10$ 16 and γ -ray decay pattern. Mult.: $A_2=0.19$ 10, $A_4=-0.08$ 10 in $^{94}\text{Mo}(^{19}\text{F},\text{p}2\text{n}\gamma)$.
9495.2	(20 ⁺)	1003.3 1	100	8491.8	(18 ⁺)	Q		
10501.5?	(22 ⁺)	1007.6 ^a 2	100	9495.2	(20 ⁺)			
11516.0?	(24 ⁺)	1014.5 ^a 2	100	10501.5?	(22 ⁺)			

[†] Additional information 1.

[‡] From $^{98}\text{Mo}(^{16}\text{O},4\text{n}\gamma)$, unless otherwise stated.

Adopted Levels, Gammas (continued)

$\gamma(^{110}\text{Sn})$ (continued)

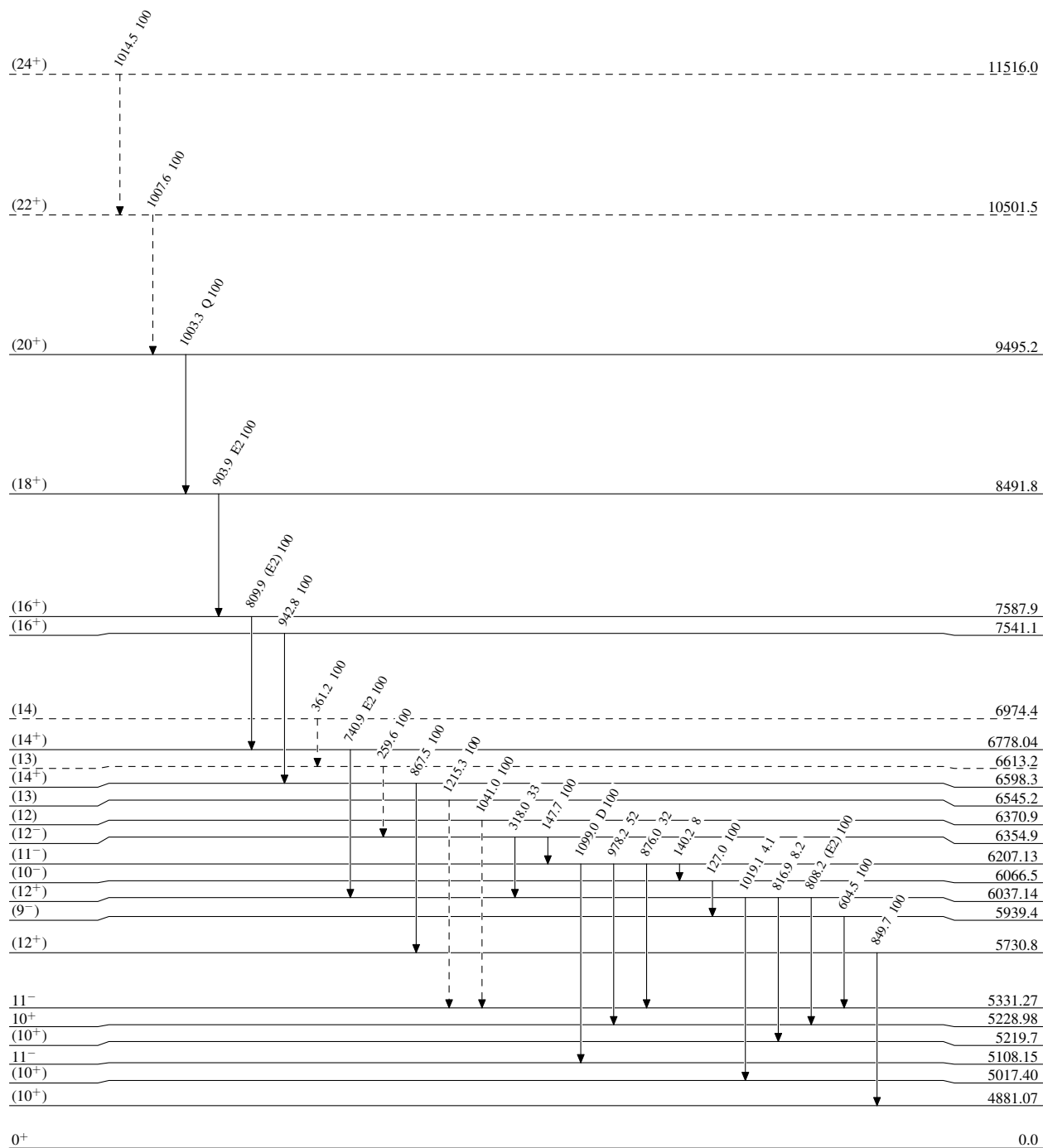
- # From ^{110}Sb ε decay.
- @ From DCO ratios, $\gamma(\theta)$ and γ -decay pattern in $^{98}\text{Mo}(^{16}\text{O},4n\gamma)$, unless otherwise stated.
- & From $\gamma(\theta)$ in $^{108}\text{Cd}(\alpha,2n\gamma)$.
- ^a Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)


52 ps 16

4.154 h 4

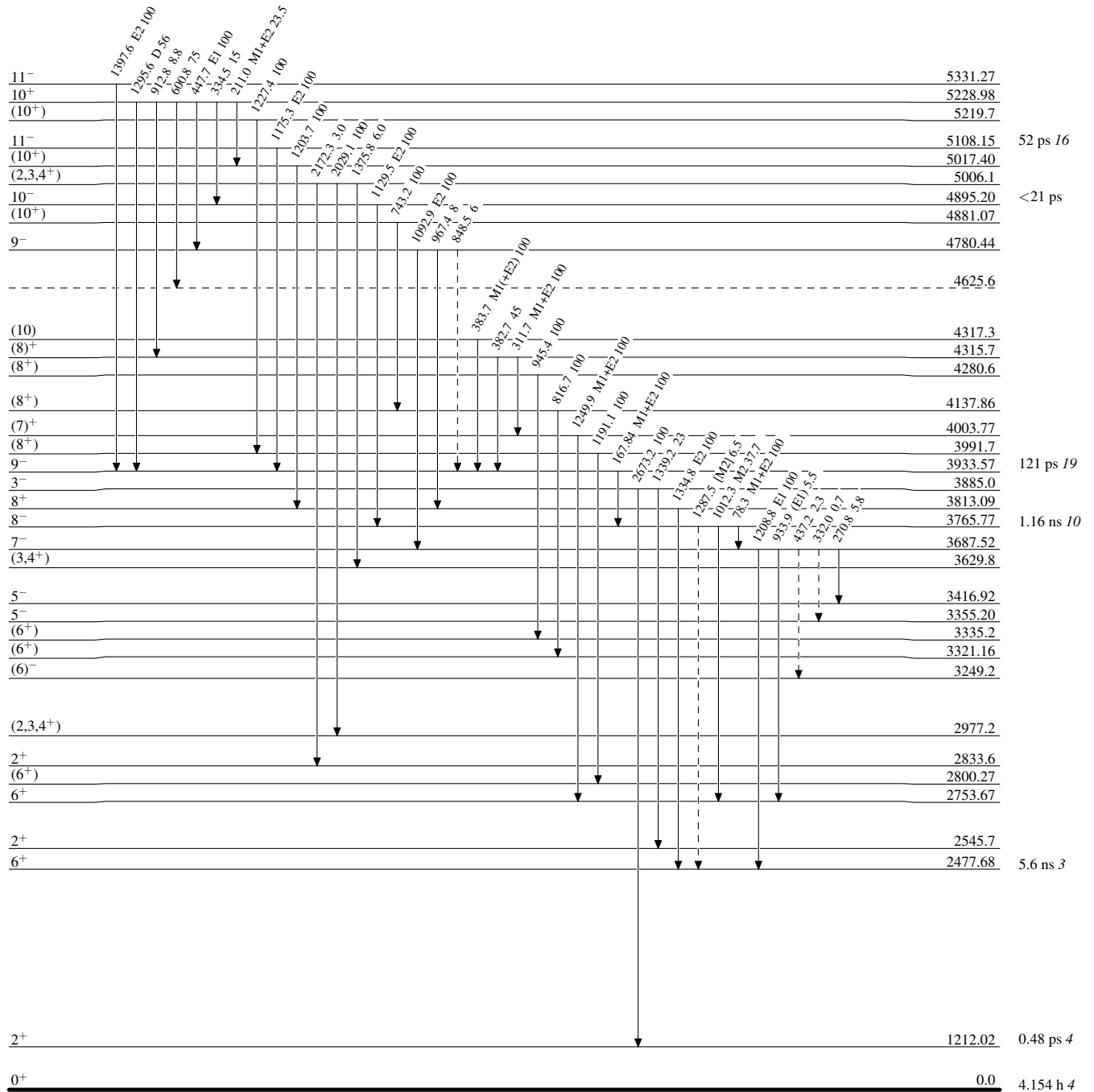
 $^{110}_{50}\text{Sn}_{60}$

Adopted Levels, Gammas

Legend

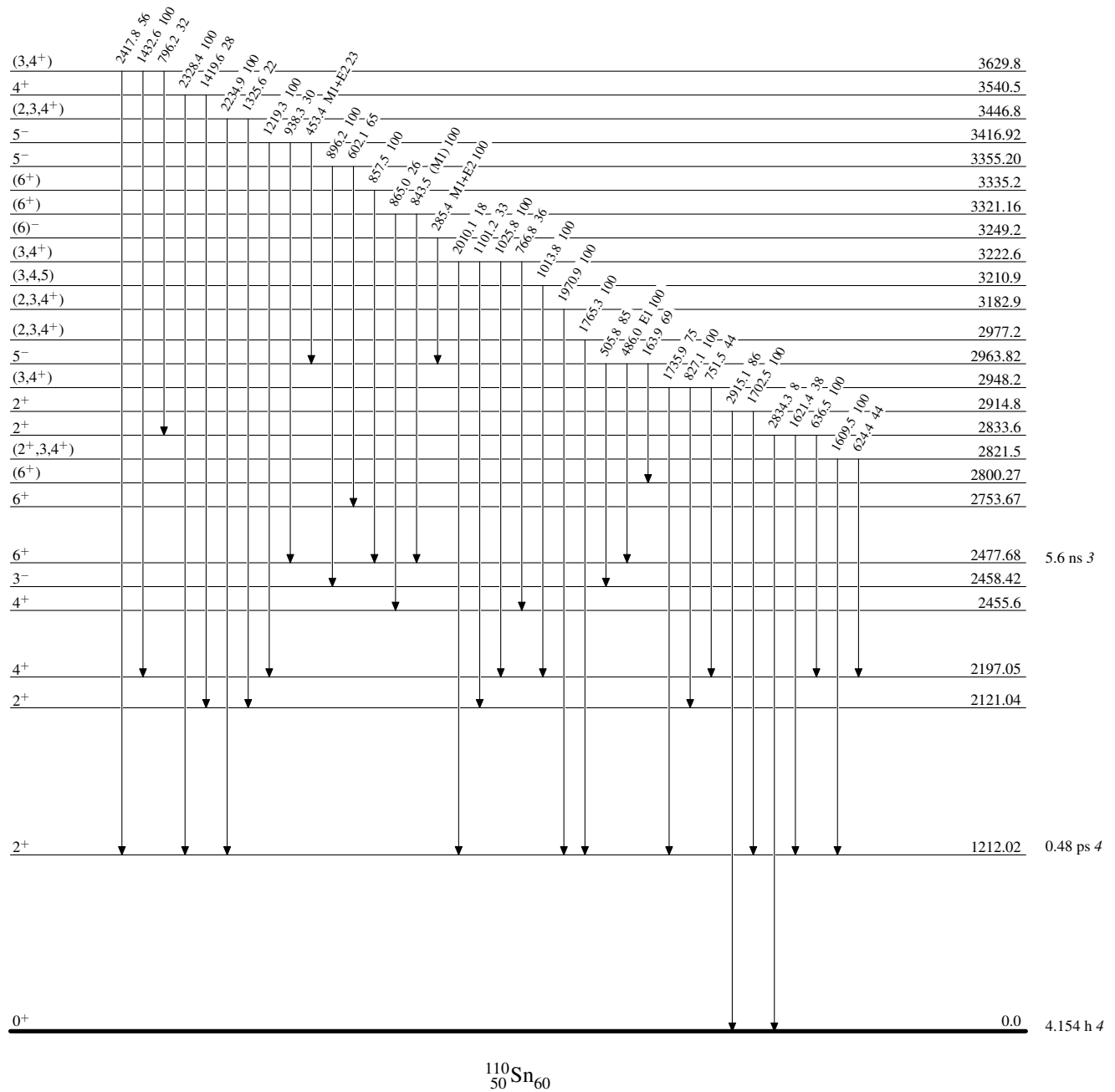
Level Scheme (continued)

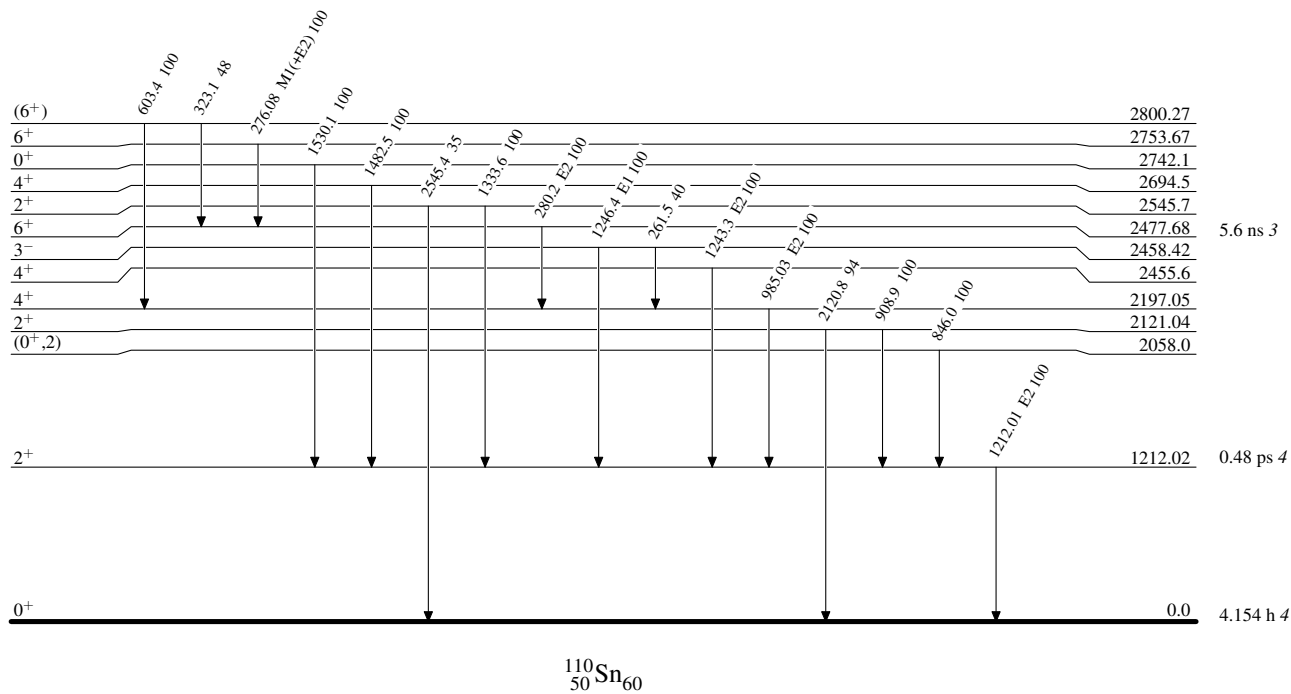
Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)

Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Relative photon branching from each level





Adopted Levels, Gammas