

Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	T. Tamura	NDS 108,455 (2007)	30-Sep-2006

$Q(\beta^-) = -725$ 13; $S(n) = 7900$ 8; $S(p) = 4.83 \times 10^3$ 3; $Q(\alpha) = -509$ 6 [2012Wa38](#)
 Note: Current evaluation has used the following Q record -725 127864 114818 26-506 6 [2003Au03](#).

 ^{122}I LevelsCross Reference (XREF) Flags

A ^{122}Xe ε decay
B (HI,xn γ)

E(level) [†]	J π [‡]	T _{1/2}	XREF	Comments
0.0	1 ⁺	3.63 min 6	AB	$\% \varepsilon + \% \beta^+ = 100$ $\mu = +0.94$ 3 μ : from static nuclear orientation, value relative to ^{131}I , ^{132}I (1986Gr06 , 1989Ra17); positive sign (1988As06). J^π : log $ft = 5.19$ from 0 ⁺ . $T_{1/2}$: from 1970LaZX . Others: 3.6 min (1951Yo06), 3.4 min I (1952Dr18), 3.5 min (1954Ma75).
53.114 15	0,1,2,3 ⁺		A	J^π : log $ft \geq 7.4$ from 0 ⁺ .
61.625 4	0 ⁺ , 1 ⁺	7.4 ns 3	AB	J^π : log $ft = 7.04$ from 0 ⁺ , M1 γ to 1 ⁺ . $T_{1/2}$: weighted average of 7.55 ns 40 from (61.8 γ)(K x ray)(t) and 7.2 ns 7 from (61.8L+90.5K)(K x ray)(t) (1973Lo10).
90.596 6	1 ⁺ , 2 ⁺	1.9 ns 3	AB	J^π : M1+E2 γ to 1 ⁺ . $T_{1/2}$: average value of (90.6 γ)(K x ray)(t) and (61.8L+90.5K)(K x ray)(t) (1973Lo10).
109.68 18			B	
148.612 4	1 ⁺	≤ 80 ps	A	J^π : log $ft = 6.33$ from 0 ⁺ ; M1 γ to 1 ⁺ . $T_{1/2}$: from (148.6K)(KLL Auger)(t) and (148.6K)(K x ray)(t).
154.35 23			B	
155.7 4	(4 ⁺)	16.6 [#] ns	B	
163.066 7	1 ⁺ , 2 ⁺		AB	J^π : M1, E2 γ to 1 ⁺ .
175.574 10			A	
176.72 23			B	
246.66 20			B	
279.428 9	0, 1		A	J^π : log $ft = 7.20$ from 0 ⁺ .
299.3 3			B	
314.9 4	(7 ⁻)	190 [#] ns	B	
342.9 4	(6 ⁺)		B	
350.052 8	1 ⁺		A	J^π : log $ft = 5.54$ from 0 ⁺ , M1, E2 γ to 1 ⁺ .
356.7 4			B	
379.4 5	(7 ⁻)	80 [@] μs 8	B	
389.9 5	(8 ⁺)		B	
394.1 5	(8 ⁺)	80 [@] μs 8	B	
416.675 19	1 ⁺		A	J^π : log $ft = 5.92$ from 0 ⁺ , M1 γ to 1 ⁺ .
444.1 ^g 5	(8 ⁻)	148 [#] ns	B	
453.0 4			B	
458.3 ^b 5	(8 ⁻)		B	
502.1 5			B	
519.2 ^c 5	(8 ⁻)		B	
534.4 5			B	
581.3 5	(6 ⁺)		B	

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued) ^{122}I Levels (continued)

E(level) [†]	J ^π [‡]	XREF	E(level) [†]	J ^π [‡]	XREF	E(level) [†]	J ^π [‡]	XREF
717.5 ^g 5	(9 ⁻)	B	2012.5 ^f 5	(11 ⁻)	B	3597.4 6	(15 ⁻)	B
731.6 ⁱ 5	(5 ⁺)	B	2067.3 ^h 6	(12 ⁻)	B	3641.5 ^b 5	(16 ⁻)	B
746.0 ^a 5	(9 ⁻)	B	2071.4 ^c 6	(12 ⁻)	B	3649.2 6	(17 ⁺)	B
786.3 5	(8 ⁺)	B	2184.2 ^{&} 5	(13 ⁺)	B	3674.1 ^g 6	(16 ⁻)	B
857.7 6	(7 ⁺)	B	2187.6 ⁱ 7	(9 ⁺)	B	3774.0 ^e 5	(16 ⁻)	B
1016.9 5	(9 ⁻)	B	2272.9 ^g 5	(13 ⁻)	B	3949.3 ^{&} 6	(17 ⁺)	B
1068.2 ^g 5	(10 ⁻)	B	2333.8 ^e 5	(12 ⁻)	B	4166.7 ^a 7	(17 ⁻)	B
1091.9 5		B	2355.8 ^a 5	(13 ⁻)	B	4204.7 ^f 6	(17 ⁻)	B
1108.7 ^b 5	(10 ⁻)	B	2502.1 ^d 6		B	4217.1 ^{&} 6	(18 ⁺)	B
1166.2 ^{&} 5	(10 ⁺)	B	2523.6 ^{&} 5	(14 ⁺)	B	4247.1 ^d 7		B
1208.9 5		B	2546.0 ^h 6	(13 ⁻)	B	4517.7 ^e 6	(18 ⁻)	B
1244.0 ^c 5	(10 ⁻)	B	2649.1 ^f 5	(13 ⁻)	B	4605.3 ^b 6	(18 ⁻)	B
1260.2 ^h 5	(10 ⁻)	B	2679.9 ^b 5	(14 ⁻)	B	4610.8 7		B
1429.1 ⁱ 6	(7 ⁺)	B	2729.7 ^g 5	(14 ⁻)	B	4775.4 7		B
1444.1 ^g 5	(11 ⁻)	B	2824.0 ^{&} 5	(15 ⁺)	B	4953.0 ^f 6	(19 ⁻)	B
1489.2 ^a 5	(11 ⁻)	B	2987.6 ^e 5	(14 ⁻)	B	5144.1 ^{&} 7	(20 ⁺)	B
1536.0 ^{&} 5	(11 ⁺)	B	3007.9 ^{&} 5	(16 ⁺)	B	5220.5 ^e 7	(20 ⁻)	B
1623.9 ^h 5	(11 ⁻)	B	3045.9 ^c 7	(14 ⁻)	B	5460.7 7		B
1719.8 ^d 5		B	3052.0 ^h 7	(14 ⁻)	B	5493.4 ^{&} 7	(22 ⁺)	B
1774.8 ^e 5	(10 ⁻)	B	3216.3 ^g 6	(15 ⁻)	B	6008.6 ^e 7		B
1824.9 ^{&} 5	(12 ⁺)	B	3290.2 ^d 7		B	6217.4 ^{&} 8	(23 ⁺)	B
1841.4 ^g 5	(12 ⁻)	B	3342.5 ^a 6	(15 ⁻)	B	7023.5 ^{&} 9	(24 ⁺)	B
1849.4 ^b 5	(12 ⁻)	B	3405.9 ^f 5	(15 ⁻)	B	8323.2 ^{&} 9		B

[†] From combined fit of levels and gammas from ^{122}Xe ε decay and (HI,xn γ).

[‡] From multiplicities of associated γ rays and the band structure in $^{120}\text{Sn}(^7\text{Li},5n\gamma)$ as proposed by 2004MoZT, except noted otherwise.

From γ - γ delayed coincidence spectrometry; no details are presented in 2003Mo22, 2003MoZR and 2004MoZT.

@ From $\gamma\gamma(t)$ in $^{116}\text{Cd}(^{11}\text{B},5n\gamma)$ (1990Wu01). 1990Wu01 reported $T_{1/2}=80\ \mu\text{s}$ isomer associated with with 32.5-, 51.5-, 61.9-, 95.0-, 160.1-, and 188.0-keV. The isomer(s) was (were) assigned to 379.4- and 393.9-keV levels by 2003Mo22, 2003MoZR and 2004MoZT.

& Band(A): Band 1 positive-parity band based on (10⁺); possible configuration=($\pi\ h_{11/2}$) $\otimes$ ($\nu\ h_{11/2}$).

^a Band(B): Band 2 negative-parity band based on (9⁻); $\alpha=1$ partner of band 3.

^b Band(C): Band 3 negative-parity band based on (8⁻); $\alpha=0$.

^c Band(D): Band 4 negative-parity band based on (10⁻).

^d Band(E): Band 5 band based on 1720.0-keV level.

^e Band(F): Band 6 negative-parity band based on (10⁻); $\alpha=0$.

^f Band(G): Band 7 negative-parity band based on (11⁻); $\alpha=1$ partner of band 6.

^g Band(H): Band 8 negative-parity band based on (8⁻); $\Delta J=1$ band.

^h Band(I): Band 9 negative-parity band based on (10⁻).

ⁱ Band(J): Band 10 positive-parity band based on (5⁺).

Adopted Levels, Gammas (continued)

$\gamma(^{122}\text{I})$									
$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	E_f	J_f^π	Mult.#	$\delta^@$	α^a	Comments
53.114	0,1,2,3 ⁺	53.080 18	100	0.0	1 ⁺	[M1,E2]			
61.625	0 ⁺ ,1 ⁺	61.626 4	100	0.0	1 ⁺	M1		3.05	B(M1)(W.u.)=0.00314 15
90.596	1 ⁺ ,2 ⁺	90.596 7	100	0.0	1 ⁺	M1+E2	0.49 25	1.30	Mult.: Q(E2) is assigned in $^{120}\text{Sn}(^7\text{Li},5n\gamma)$. B(M1)(W.u.)=0.0055 14; B(E2)(W.u.)=1.1×10 ² 10 δ : from 1981Ng04.
109.68		19.1 3		90.596	1 ⁺ ,2 ⁺				
		109.7 3		0.0	1 ⁺				
148.612	1 ⁺	58.015 13	3.45 9	90.596	1 ⁺ ,2 ⁺	M1+E2	≤0.52	4.6 10	B(M1)(W.u.)>0.022
		148.612 4	100 4	0.0	1 ⁺	M1		0.2485	B(M1)(W.u.)>0.058
154.35		44.7 3	100	109.68					
155.7	(4 ⁺)	46.0 3		109.68					
		94.1 7	100	61.625	0 ⁺ ,1 ⁺				I(95.0γ)/I(160.1γ)=48 6 (1990Wu01).
163.066	1 ⁺ ,2 ⁺	72.470 6	100 7	90.596	1 ⁺ ,2 ⁺	M1(+E2)	≤0.46		
		109.897 23	22 2	53.114	0,1,2,3 ⁺	[M1,E2]			
		163.052 22	72 3	0.0	1 ⁺	M1,E2			
175.574		175.582 14	100	0.0	1 ⁺	[M1,E2]			
176.72		13.6 3		163.066	1 ⁺ ,2 ⁺				
		22.4 3		154.35					
246.66		83.6 3		163.066	1 ⁺ ,2 ⁺				
		92.3 3		154.35					
		137.0 3		109.68					
279.428	0,1	103.857 7	48 3	175.574		[M1,E2]			
		116.355 9	100 3	163.066	1 ⁺ ,2 ⁺	[M1,E2]			
299.3		52.7 3		246.66					
		122.6 3		176.72					
314.9	(7 ⁻)	159.3 3	100	155.7	(4 ⁺)				
342.9	(6 ⁺)	27.9 3		314.9	(7 ⁻)				
		187.2 3		155.7	(4 ⁺)				
350.052	1 ⁺	174.452 26	1.84 7	175.574		[M1,E2]			
		186.978 10	7.15 23	163.066	1 ⁺ ,2 ⁺	M1			
		201.43 5	1.49 17	148.612	1 ⁺	M1,E2			
		259.4 4	0.7 2	90.596	1 ⁺ ,2 ⁺				
		288.423 26	5.20 16	61.625	0 ⁺ ,1 ⁺	[M1,E2]			
		350.065 10	100 2	0.0	1 ⁺	M1,E2			
356.7		201.0 3	100	155.7	(4 ⁺)				
379.4	(7 ⁻)	64.5 3	100	314.9	(7 ⁻)				
389.9	(8 ⁺)	10.1 ^b 3	100	379.4	(7 ⁻)				
394.1	(8 ⁺)	51.0 3	100	342.9	(6 ⁺)				
416.675	1 ⁺	66.63 5	1.42 17	350.052	1 ⁺	[M1,E2]			
		253.69 6	6.3 7	163.066	1 ⁺ ,2 ⁺	M1,E2			
		326.3 5	≈2	90.596	1 ⁺ ,2 ⁺				

Adopted Levels, Gammas (continued)

$\gamma(^{122}\text{I})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	E_f	J_f^π	Mult. [#]	$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	E_f	J_f^π	Mult. [#]
416.675	1 ⁺	355.11 4	12.9 21	61.625	0 ⁺ ,1 ⁺	[M1,E2]	1623.9	(11 ⁻)	363.7 3		1260.2	(10 ⁻)	
		416.633 25	100 2	0.0	1 ⁺	M1			555.7 3		1068.2	(10 ⁻)	
444.1	(8 ⁻)	64.7 3	100	379.4	(7 ⁻)		1719.8		611.1 3		1108.7	(10 ⁻)	
453.0		153.7 3	100	299.3					702.9 3		1016.9	(9 ⁻)	
458.3	(8 ⁻)	143.4 3	100	314.9	(7 ⁻)	D	1774.8	(10 ⁻)	666.4 3		1108.7	(10 ⁻)	
502.1		145.4 3	100	356.7					758.2 3		1016.9	(9 ⁻)	
519.2	(8 ⁻)	204.3 3	100	314.9	(7 ⁻)	D			987.5 & 3		786.3	(8 ⁺)	
534.4		219.5 3	100	314.9	(7 ⁻)		1824.9	(12 ⁺)	288.9 3	13 3	1536.0	(11 ⁺)	D
581.3	(6 ⁺)	79.2 3		502.1					658.9 3	100 8	1166.2	(10 ⁺)	Q
		238.4 3		342.9	(6 ⁺)		1841.4	(12 ⁻)	397.2 3		1444.1	(11 ⁻)	
717.5	(9 ⁻)	273.4 3	100	444.1	(8 ⁻)				732.5 3		1108.7	(10 ⁻)	
731.6	(5 ⁺)	278.6 3	100	453.0					773.1 3		1068.2	(10 ⁻)	
746.0	(9 ⁻)	226.8 3	87 14	519.2	(8 ⁻)	D	1849.4	(12 ⁻)	360.2 3		1489.2	(11 ⁻)	D
		287.7 3	100 14	458.3	(8 ⁻)	D			405.4 3		1444.1	(11 ⁻)	
786.3	(8 ⁺)	391.9 3	27 3	394.1	(8 ⁺)	D,Q			740.7 3		1108.7	(10 ⁻)	
		396.2 3	100 12	389.9	(8 ⁺)	D,Q			781.3 3		1068.2	(10 ⁻)	
857.7	(7 ⁺)	276.4 3	100	581.3	(6 ⁺)		2012.5	(11 ⁻)	237.5 3		1774.8	(10 ⁻)	
1016.9	(9 ⁻)	497.8 3	≤47	519.2	(8 ⁻)				803.7 3		1208.9		
		558.7 3	100 15	458.3	(8 ⁻)	D	2067.3	(12 ⁻)	443.4 3		1623.9	(11 ⁻)	
		702.1 3	47 10	314.9	(7 ⁻)				807.1 3		1260.2	(10 ⁻)	
1068.2	(10 ⁻)	350.7 3		717.5	(9 ⁻)		2071.4	(12 ⁻)	827.4 3	100	1244.0	(10 ⁻)	
		624.1 3		444.1	(8 ⁻)		2184.2	(13 ⁺)	359.3 3	100 8	1824.9	(12 ⁺)	D
1091.9		633.5 3		458.3	(8 ⁻)				648.2 3	43 5	1536.0	(11 ⁺)	Q
		776.9 3		314.9	(7 ⁻)		2187.6	(9 ⁺)	758.5 3		1429.1	(7 ⁺)	
1108.7	(10 ⁻)	362.8 3		746.0	(9 ⁻)		2272.9	(13 ⁻)	431.7 3		1841.4	(12 ⁻)	
		650.5 3		458.3	(8 ⁻)				828.9 3		1444.1	(11 ⁻)	
1166.2	(10 ⁺)	74.2 3		1091.9			2333.8	(12 ⁻)	321.3 3		2012.5	(11 ⁻)	
		149.0 3	16 3	1016.9	(9 ⁻)	D			558.8 3		1774.8	(10 ⁻)	
		380.3 3	100 12	786.3	(8 ⁺)	Q			798.0 3		1536.0	(11 ⁺)	
		420.0 3	33 4	746.0	(9 ⁻)	D	2355.8	(13 ⁻)	866.6 3	100	1489.2	(11 ⁻)	
		772.2 3	31 4	394.1	(8 ⁺)	Q	2502.1		782.3 3	100	1719.8		
		776.5 3	55 6	389.9	(8 ⁺)	Q	2523.6	(14 ⁺)	339.4 3	43 4	2184.2	(13 ⁺)	D
1208.9		689.8 3	100	519.2	(8 ⁻)				698.8 3	100 10	1824.9	(12 ⁺)	Q
1244.0	(10 ⁻)	498.0 3		746.0	(9 ⁻)		2546.0	(13 ⁻)	478.7 3		2067.3	(12 ⁻)	
		724.8 3		519.2	(8 ⁻)				922.1 3		1623.9	(11 ⁻)	
1260.2	(10 ⁻)	542.7 3		717.5	(9 ⁻)		2649.1	(13 ⁻)	315.3 3		2333.8	(12 ⁻)	
		816.1 3		444.1	(8 ⁻)				636.6 3		2012.5	(11 ⁻)	
1429.1	(7 ⁺)	697.5 3		731.6	(5 ⁺)		2679.9	(14 ⁻)	324.2 3		2355.8	(13 ⁻)	
1444.1	(11 ⁻)	375.9 3		1068.2	(10 ⁻)				830.6 3		1849.4	(12 ⁻)	
		726.6 3		717.5	(9 ⁻)				838.3 3		1841.4	(12 ⁻)	
1489.2	(11 ⁻)	743.3 3	100	746.0	(9 ⁻)	Q	2729.7	(14 ⁻)	457.0 3		2272.9	(13 ⁻)	
1536.0	(11 ⁺)	370.0 3	100	1166.2	(10 ⁺)	D			888.1 3		1841.4	(12 ⁻)	

Adopted Levels, Gammas (continued)

$\gamma(^{122}\text{I})$ (continued)

$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	E_f	J_f^π	Mult. [#]	$E_i(\text{level})$	J_i^π	$E_\gamma^\dagger$	$I_\gamma^\ddagger$	E_f	J_f^π	Mult. [#]
2824.0	(15 ⁺)	300.4 3	100 10	2523.6 (14 ⁺)		D	3949.3	(17 ⁺)	351.9 3		3597.4 (15 ⁻)		
		639.8 3	87 10	2184.2 (13 ⁺)		Q			941.4 3		3007.9 (16 ⁺)		
2987.6	(14 ⁻)	307.7 3		2679.9 (14 ⁻)					1125.3 3		2824.0 (15 ⁺)		
		338.5 3		2649.1 (13 ⁻)			4166.7	(17 ⁻)	824.2 3	100	3342.5 (15 ⁻)		
		653.8 3		2333.8 (12 ⁻)			4204.7	(17 ⁻)	430.7 3		3774.0 (16 ⁻)		
		803.6 ^b 3		2184.2 (13 ⁺)					798.7 3		3405.9 (15 ⁻)		
3007.9	(16 ⁺)	183.9 3	100 10	2824.0 (15 ⁺)			4217.1	(18 ⁺)	267.8 3	25 4	3949.3 (17 ⁺)	D	
		484.3 3	28 3	2523.6 (14 ⁺)					1209.2 3	100 10	3007.9 (16 ⁺)	Q	
3045.9	(14 ⁻)	974.5 3	100	2071.4 (12 ⁻)			4247.1		956.9 3	100	3290.2		
3052.0	(14 ⁻)	506.0 3	100	2546.0 (13 ⁻)			4517.7	(18 ⁻)	743.7 3	100	3774.0 (16 ⁻)	(Q)	
3216.3	(15 ⁻)	486.5 3		2729.7 (14 ⁻)					868.0 3	100	3649.2 (17 ⁺)		
		943.5 3		2272.9 (13 ⁻)			4605.3	(18 ⁻)	963.8 3	100	3641.5 (16 ⁻)		
3290.2		788.1 3	100	2502.1			4610.8		961.6 3	100	3649.2 (17 ⁺)		
3342.5	(15 ⁻)	986.7 3	100	2355.8 (13 ⁻)			4775.4		1126.2 3	100	3649.2 (17 ⁺)		
3405.9	(15 ⁻)	418.3 3		2987.6 (14 ⁻)			4953.0	(19 ⁻)	748.3 3	100	4204.7 (17 ⁻)		
		756.8 3		2649.1 (13 ⁻)			5144.1	(20 ⁺)	927.0 3	100	4217.1 (18 ⁺)	Q	
3597.4	(15 ⁻)	1073.8 3	100	2523.6 (14 ⁺)			5220.5	(20 ⁻)	702.8 3	100	4517.7 (18 ⁻)		
3641.5	(16 ⁻)	961.6 3	100	2679.9 (14 ⁻)			5460.7		240.2 3	100	5220.5 (20 ⁻)		
3649.2	(17 ⁺)	641.3 3	100	3007.9 (16 ⁺)			5493.4	(22 ⁺)	349.3 3	100	5144.1 (20 ⁺)	Q	
3674.1	(16 ⁻)	457.8 3		3216.3 (15 ⁻)			6008.6		547.9 3		5460.7		
		944.3 3		2729.7 (14 ⁻)					788.1 3		5220.5 (20 ⁻)		
3774.0	(16 ⁻)	132.4 3		3641.5 (16 ⁻)			6217.4	(23 ⁺)	724.0 3	100	5493.4 (22 ⁺)	D	
		368.0 3		3405.9 (15 ⁻)			7023.5	(24 ⁺)	806.1 3	100	6217.4 (23 ⁺)		
		786.3 3		2987.6 (14 ⁻)			8323.2		1299.7 3	100	7023.5 (24 ⁺)	Q	
		950.1 3		2824.0 (15 ⁺)									

[†] From ¹²²Xe ε decay and (HI,xn γ).

[‡] From ¹²²Xe ε decay and partially available data compiled in (HI,xn γ).

[#] Multipolarities are based on $\alpha(\text{exp})$ in ¹²²Xe ε decay, and $\gamma(\theta)$ in ¹¹⁶Cd(¹¹B,5n γ) and DCO in ¹²⁰Sn(⁷Li,5n γ).

@ From ¹²²Xe ε decay.

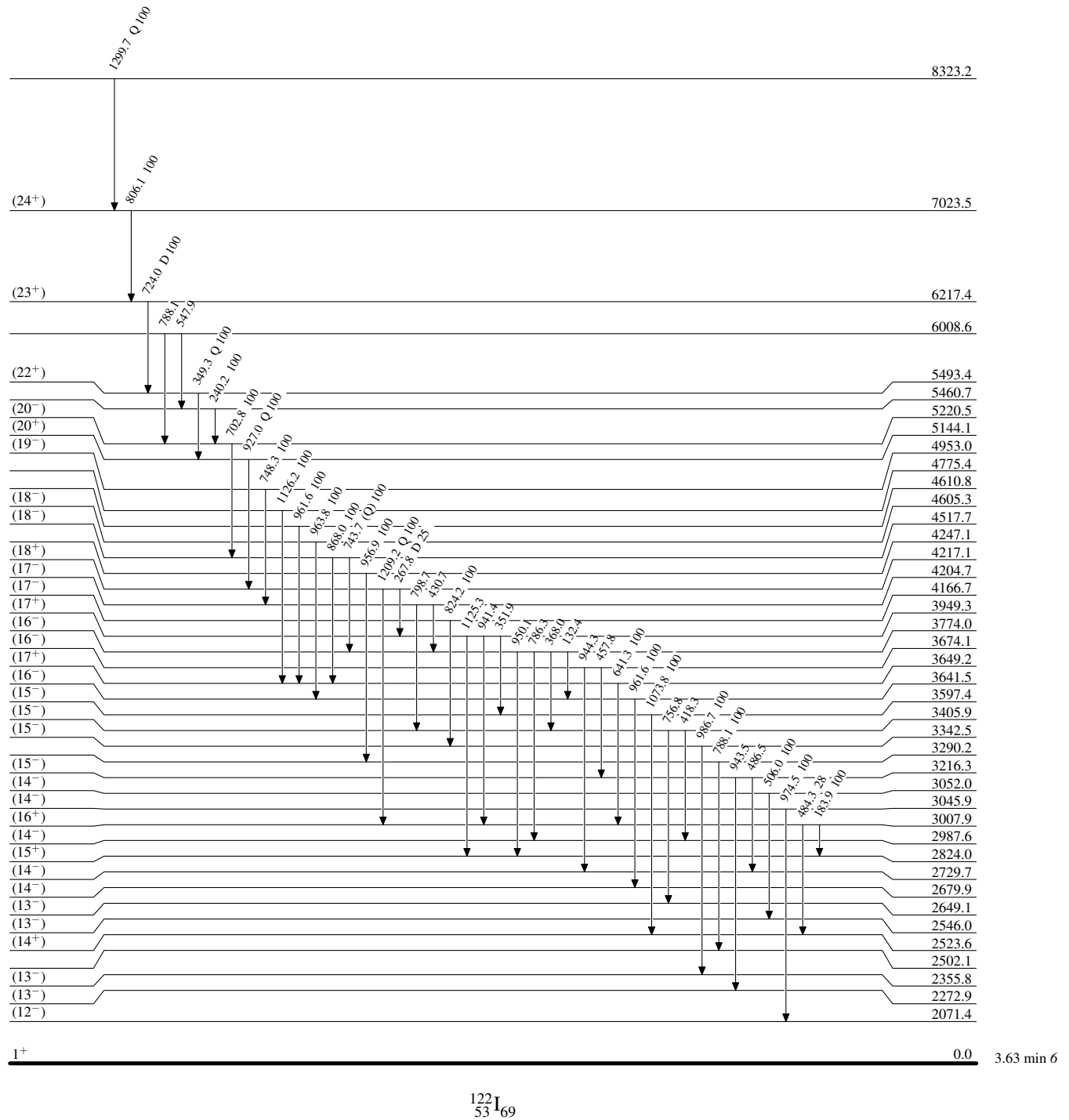
& Poor fit: level-energy difference=988.49.

^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 Placement of transition in the level scheme is uncertain.

Adopted Levels, GammasLevel Scheme

Intensities: Relative photon branching from each level

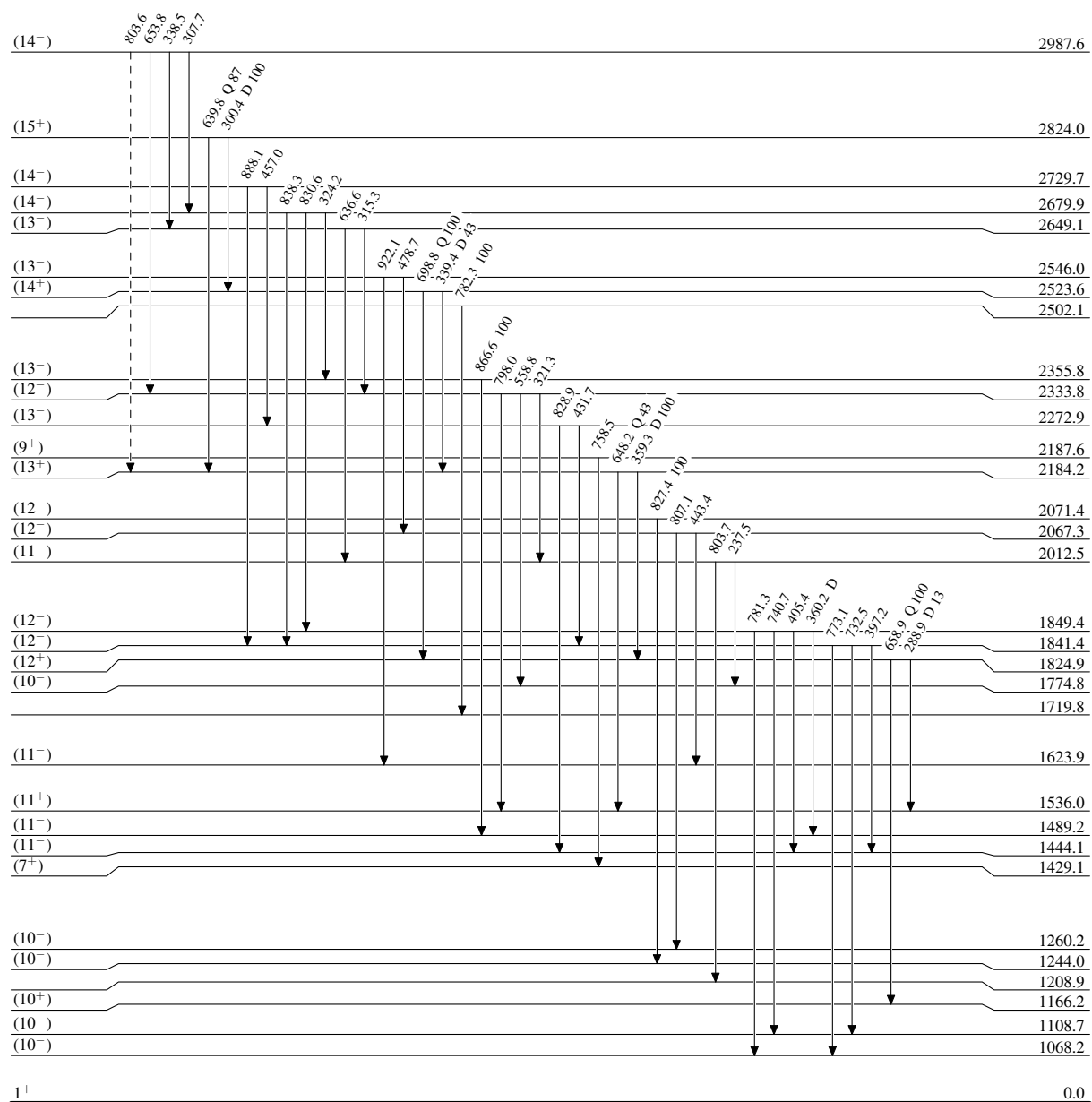


Adopted Levels, Gammas

Legend

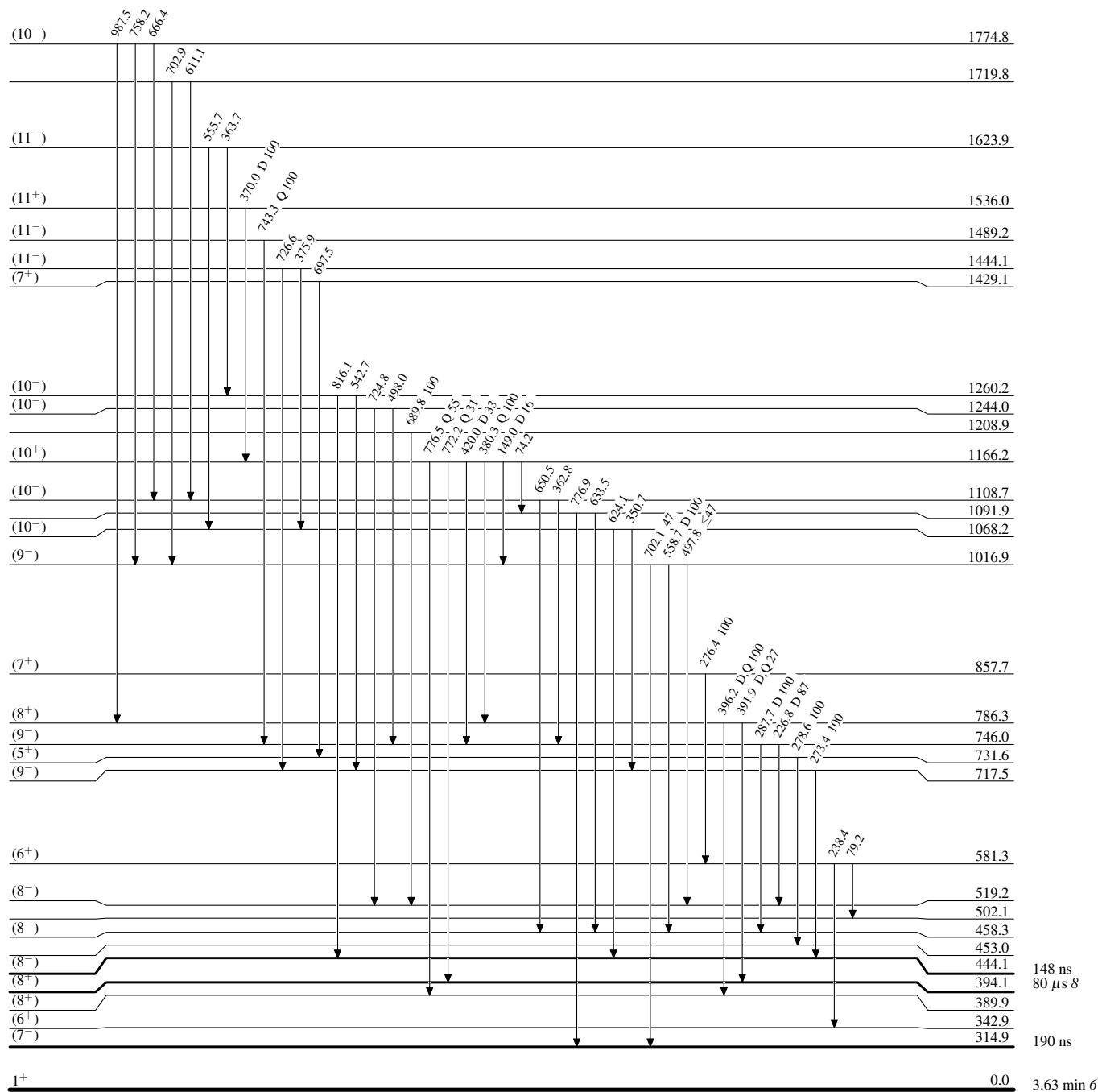
Level Scheme (continued)

Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)

Adopted Levels, GammasLevel Scheme (continued)

Intensities: Relative photon branching from each level

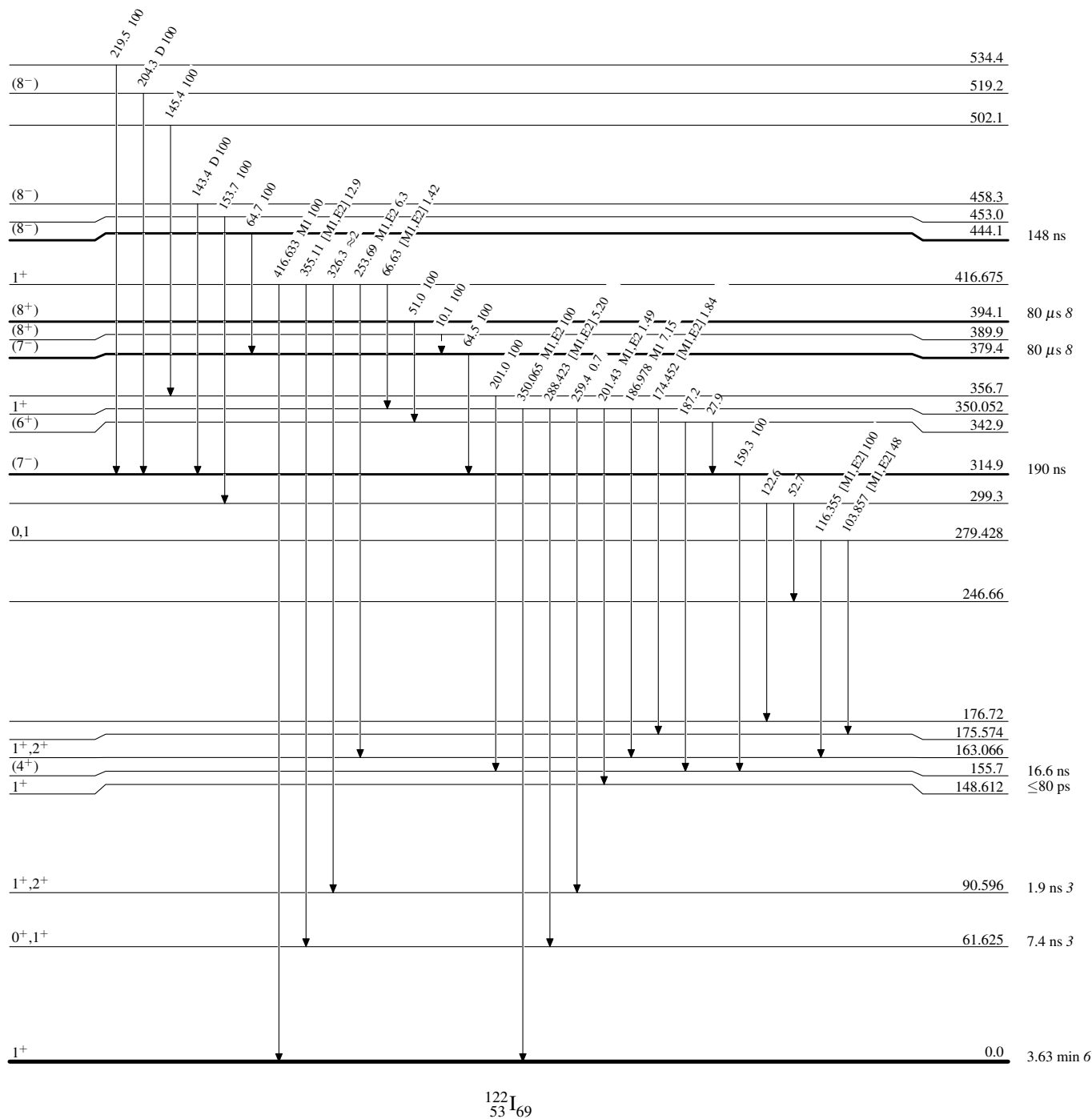


Adopted Levels, Gammas

Legend

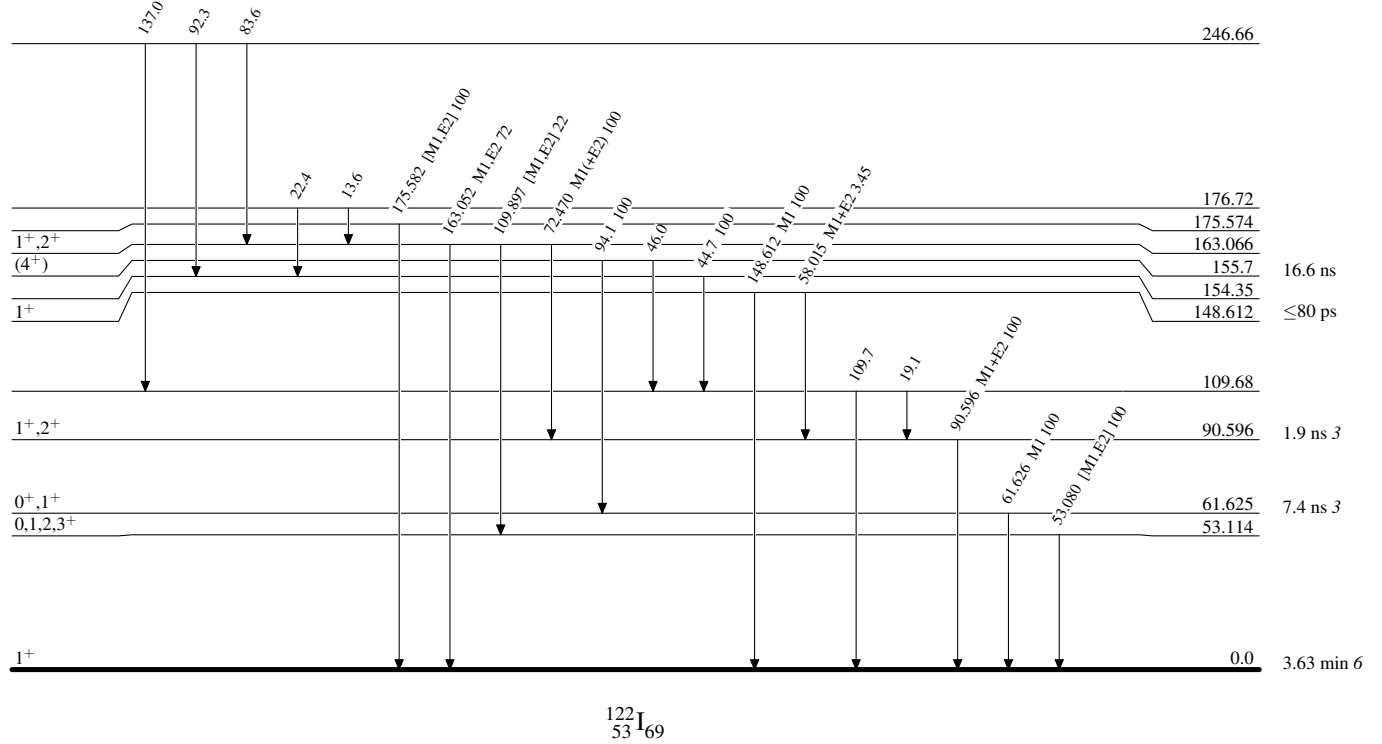
Level Scheme (continued)

Intensities: Relative photon branching from each level

-----► γ Decay (Uncertain)

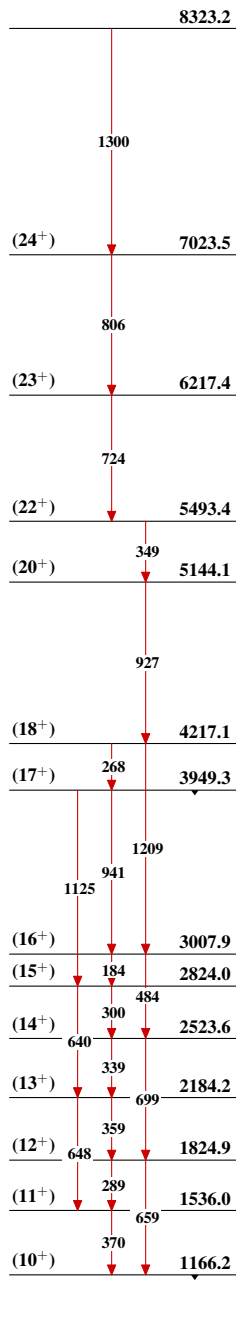
Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Relative photon branching from each level

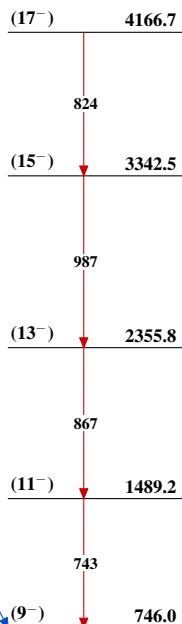


Adopted Levels, Gammas

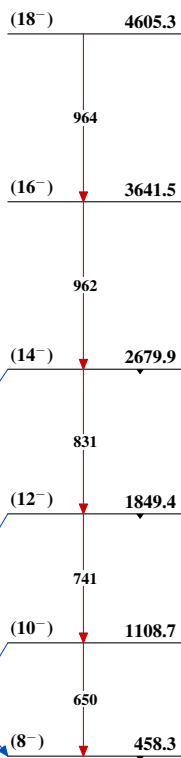
Band(A): Band 1 positive parity
band based on (10^+) ; possible
configuration= $(\pi h_{11/2}) \otimes (\nu$
 $h_{11/2})$



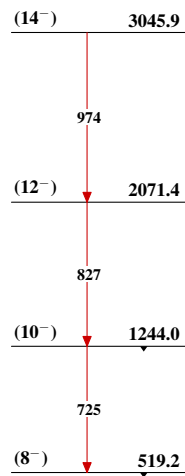
Band(B): Band 2
negative-parity band
based on (9^-) ; $\alpha=1$
partner of band 3



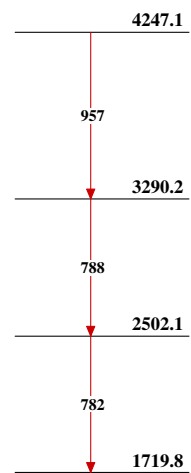
Band(C): Band 3
negative-parity band
based on (8^-) ; $\alpha=0$



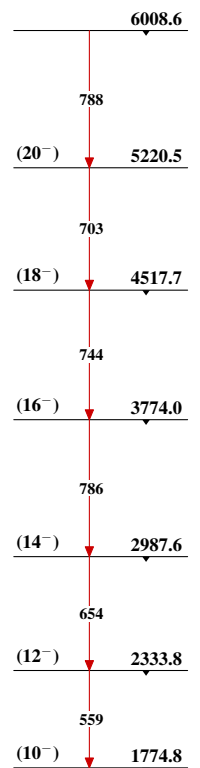
Band(D): Band 4
negative-parity band
based on (10^-)

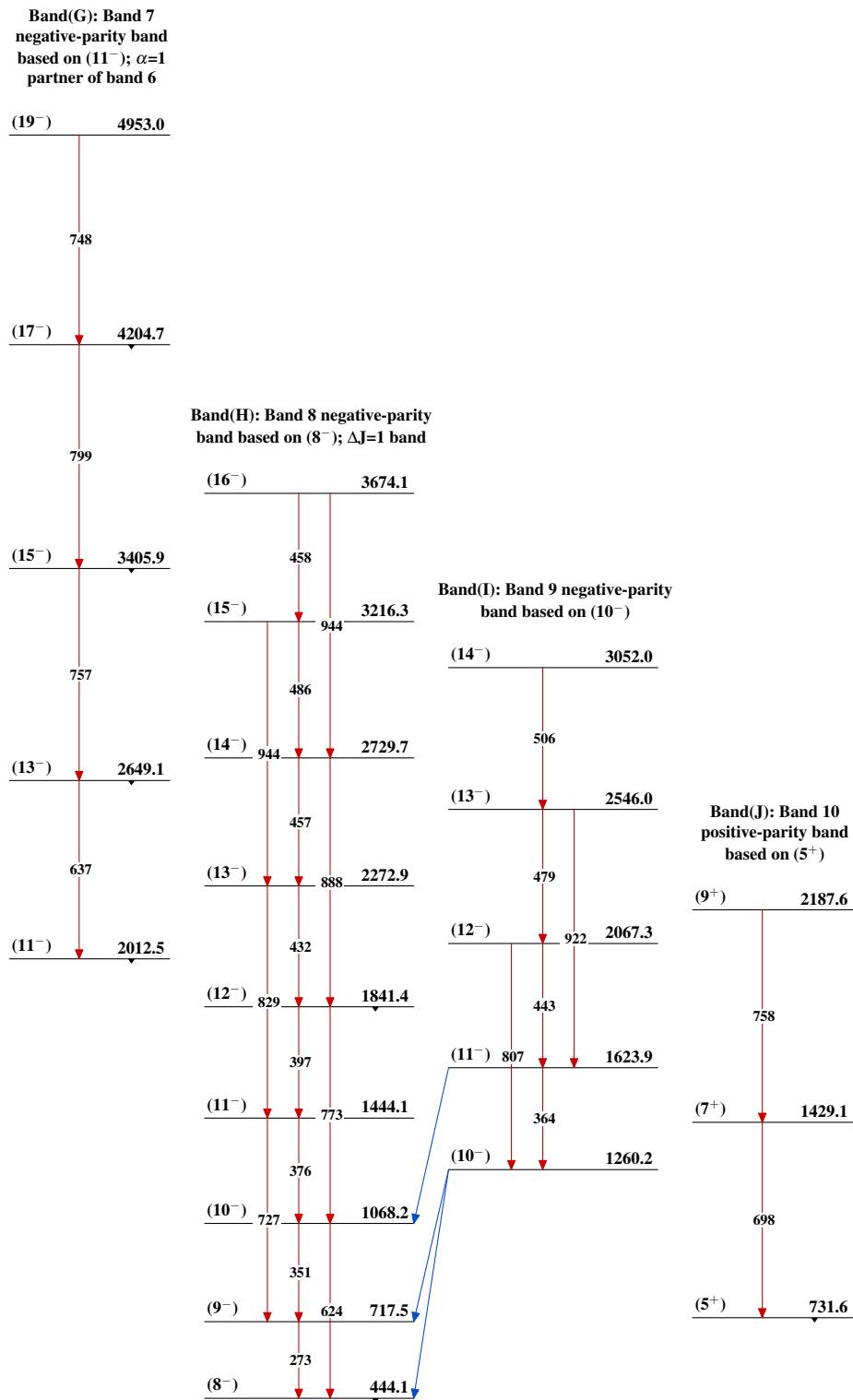


Band(E): Band 5 band
based on 1720.0-keV
level



Band(F): Band 6
negative-parity band
based on (10^-) ; $\alpha=0$



Adopted Levels, Gammas (continued) $^{122}_{53}\text{I}_{69}$