

Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	J. Katakura	NDS 112,495 (2011)	1-Jan-2010

Q(β⁻)=-7.10×10³ syst; S(n)=1.157×10⁴ 7; S(p)=1.96×10³ 3; Q(α)=9.2×10² 3 [2012Wa38](#)

Note: Current evaluation has used the following Q record -7102 SY11572 62 1959 29 916 29 [2009AuZZ](#).

ΔQ(β⁻)=197 (syst,[2009AuZZ](#)).

Q(εp)=683 27 ([2009AuZZ](#)).

¹²⁵La Levels

Cross Reference (XREF) Flags

- A ¹¹²Sn(¹⁶O,2npγ)
- B ¹²⁵Ce ε decay
- C ⁹⁴Mo(⁴⁰Ca,2αpγ)

E(level) [†]	J ^π [‡]	T _{1/2} [#]	XREF	Comments
0.0 [@]	(3/2 ⁺)	64.8 s 12	ABC	%ε+%β ⁺ =100 T _{1/2} : From 1992Ic02 . Others: 76 s 6 (1978Bo32), 70 s 3 (1988GiZV). J ^π : Systematics. 1999Ha29 assume 3/2 ⁺ for the ground state.
0.0+x ^e	(9/2 ⁺)		C	Additional information 1.
0.0+y			B	Additional information 2.
8.7 ^c 3	(11/2 ⁻)		ABC	J ^π : Systematics (1996St01). In ¹²⁵ Ce ε decay, ¹¹² Sn(¹⁶ O,2npγ) and ⁹⁴ Mo(⁴⁰ Ca,2αpγ), nearly the same level spacing is observed, that is, 9.0 keV, 8.4 keV and 8.5 keV, respectively. Evaluators assumed that they are due to the same levels.
57.5+y 10			B	
107.00 10		0.39 s 4	B	T _{1/2} : From ε decay.
128.8 3	(5/2 ⁺)		A C	J ^π : Systematics (1996St01).
182.7+y 15			B	
194.3 8			B	
200.8+y 15			B	
207.8+y 15			B	
230.91+x ^f 19	(11/2 ⁺)		C	
249.3 ^c 3	(15/2 ⁻)	101 ps +14-24	A C	
296.42 [@] 19	(7/2 ⁺)		A C	
324.9 7			B	
362.1+y 15			B	
378.9 7			B	
493.4+x ^e 4	(13/2 ⁺)		C	
546.0 10			B	
625.6 9			B	
643.92 [@] 24	(11/2 ⁺)		A C	
685.6 ^c 3	(19/2 ⁻)	5.3 ps +4-17	A C	
783.3 12			B	
784.4+x ^f 4	(15/2 ⁺)		C	
1005.1 11			B	
1072.9 ^d 3	(15/2 ⁻)		A C	
1099.8+x ^e 5	(17/2 ⁺)		C	
1111.3 3	(17/2)		A C	
1120.3 [@] 3	(15/2)		A C	
1289.2 ^c 3	(23/2 ⁻)	≤2 ps	A C	
1435.2+x ^f 5	(19/2 ⁺)		C	

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Adopted Levels, Gammas (continued)

¹²⁵La Levels (continued)

E(level) [†]	J ^π [‡]	XREF	E(level) [†]	J ^π [‡]	XREF
1481.5 ^d 3	(19/2 ⁻)	A C	4077.9 ^{&} 4	(35/2 ⁺)	A C
1491.6 3		A	4110.3+x ^f 14	(35/2 ⁺)	C
1615.7 ^{&} 3	(19/2 ⁺)	A C	4216.9 ^d 4	(35/2 ⁻)	A C
1727.2 3	(21/2 ⁻)	A C	4353.7 ^a 7	(35/2 ⁺)	C
1782.6+x ^e 6	(21/2 ⁺)	C	4502.4+x ^e 15	(37/2 ⁺)	C
1801.7 [@] 3	(19/2 ⁺)	A C	4589.5 ^b 4	(37/2 ⁺)	A C
1818.3 3		A	4772.9 ^c 4	(39/2 ⁻)	A C
1978.6 ^b 3	(21/2 ⁺)	A C	4954.8 ^{&} 4	(39/2 ⁺)	A C
2013.6 ^d 3	(23/2 ⁻)	A C	5117.4 ^d 7	(39/2 ⁻)	C
2033.2 ^c 3	(27/2 ⁻)	A C	5259.4 ^a 9	(39/2 ⁺)	C
2037.3 4		A	5530.0 ^b 7	(41/2 ⁺)	C
2074.9 ^{&} 3	(23/2 ⁺)	A C	5806.7 ^c 7	(43/2 ⁻)	C
2134.4+x ^f 6	(23/2 ⁺)	C	5909.0 ^{&} 7	(43/2 ⁺)	C
2331.0 ^a 4	(23/2 ⁺)	A C	6097.2 ^d 9	(43/2 ⁻)	C
2412.0 [@] 4	(23/2 ⁺)	A C	6232.9 ^a 10	(43/2 ⁺)	C
2448.3+x ^e 7	(25/2 ⁺)	C	6525.3 ^b 9	(45/2 ⁺)	C
2459.1 ^b 3	(25/2 ⁺)	A C	6910.9 ^{&} 8	(47/2 ⁺)	C
2496.9 4		A	6924.2 ^c 8	(47/2 ⁻)	C
2625.2 4	(21/2,23/2)	A	7145.3 ^d 10	(47/2 ⁻)	C
2631.4 ^{&} 3	(27/2 ⁺)	A C	7256.9 ^a 14	(47/2 ⁺)	C
2660.3 ^d 4	(27/2 ⁻)	A C	7573.0 ^b 10	(49/2 ⁺)	C
2746.6+x ^f 8	(27/2 ⁺)	C	7958.1 ^{&} 10	(51/2 ⁺)	C
2850.6 4		A	8126.3 ^c 10	(51/2 ⁻)	C
2864.0 ^a 4	(27/2 ⁺)	A C	8266.3 ^d 14	(51/2 ⁻)	C
2885.0 ^c 4	(31/2 ⁻)	A C	8710.5 ^b 11	(53/2 ⁺)	C
3030.4+x ^e 9	(29/2 ⁺)	C	9072.1 ^{&} 11	(55/2 ⁺)	C
3038.4 ^b 3	(29/2 ⁺)	A C	9391.6 ^c 11	(55/2 ⁻)	C
3046.2 [@] 4		A	9436.3 ^d 17	(55/2 ⁻)	C
3300.7 ^{&} 4	(31/2 ⁺)	A C	9945.5 ^b 15	(57/2 ⁺)	C
3329.3 4	(25/2,27/2,29/2)	A	10268.1 ^{&} 12	(59/2 ⁺)	C
3371.3+x ^f 10	(31/2 ⁺)	C	10680.6 ^c 15	(59/2 ⁻)	C
3401.2 ^d 4	(31/2 ⁻)	A C	11266.5 ^b 18	(61/2 ⁺)	C
3541.4 ^a 5	(31/2 ⁺)	C	11551.1 ^{&} 16	(63/2 ⁺)	C
3716.4+x ^e 10	(33/2 ⁺)	C	12018.6 ^c 18	(63/2 ⁻)	C
3749.3 ^b 4	(33/2 ⁺)	A C	12924.1 ^{&} 19	(67/2 ⁺)	C
3804.7 ^c 4	(35/2 ⁻)	A C	14391.1 ^{&} 21	(71/2 ⁺)	C

[†] From a least-squares fit to E γ 's by evaluators. Uncertainties of 1 keV are assumed for the energies of γ 's with no uncertainty.

[‡] From $\gamma\gamma(\theta)$ (DCO), RUL in ¹¹²Sn(¹⁶O,2np γ), and band structure in ¹¹²Sn(¹⁶O,2np γ) and ⁹⁴Mo(⁴⁰Ca,2 α ,p γ), unless otherwise noted.

From recoil distance (1997St12), unless otherwise noted.

@ Band(A): 3/2[422], $\alpha=-1/2$.

& Band(B): 3/2[422](E_pF_p), $\alpha=-1/2$.

^a Band(C): 1/2[420](E_pF_p), $\alpha=-1/2$.

^b Band(c): 1/2[420](E_pF_p), $\alpha=+1/2$.

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Adopted Levels, Gammas (continued)

¹²⁵La Levels (continued)

- ^c Band(D): 1/2[550], $\alpha=-1/2$.
- ^d Band(E): 1/2[550](γ vibration), $\alpha=-1/2$.
- ^e Band(F): 9/2[404] band, $\alpha=+1/2$.
- ^f Band(f): 9/2[404] band, $\alpha=-1/2$.

$\gamma(^{125}\text{La})$							
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\ddagger	E_f	J_f^π	Mult.#	Comments
57.5+y		57.5		0.0+y			
107.00		107.0 <i>l</i>		0.0	(3/2 ⁺)	E3	
182.7+y		125.2		57.5+y			
194.3		194.4		0.0	(3/2 ⁺)		
200.8+y		143.3		57.5+y			
207.8+y		150.3		57.5+y			
230.91+x	(11/2 ⁺)	230.9 <i>2</i>	100	0.0+x	(9/2 ⁺)		
249.3	(15/2 ⁻)	240.50 <i>14</i>	100	8.7	(11/2 ⁻)	E2	
296.42	(7/2 ⁺)	167.61 <i>19</i>	≈96	128.8	(5/2 ⁺)	D+Q	$I_\gamma: I_\gamma(167)/I_\gamma(296)=0.66 \ 3$ in ¹¹² Sn(¹⁶ O,2npy).
		296.41 <i>19</i>	100 <i>4</i>	0.0	(3/2 ⁺)	Q	
324.9		130.6		194.3			
		324.9		0.0	(3/2 ⁺)		
362.1+y		304.6		57.5+y			
378.9		370.0		8.7	(11/2 ⁻)		
		379.0		0.0	(3/2 ⁺)		
493.4+x	(13/2 ⁺)	262.4 <i>5</i>	100 <i>5</i>	230.91+x	(11/2 ⁺)		
		493.4 <i>5</i>	20.5 <i>11</i>	0.0+x	(9/2 ⁺)		
546.0		221.1		324.9			
		351.7		194.3			
625.6		246.7		378.9			
		300.8		324.9			
643.92	(11/2 ⁺)	347.50 <i>14</i>	100 <i>5</i>	296.42	(7/2 ⁺)	Q	
		635.26 <i>19</i>	21.1 <i>8</i>	8.7	(11/2 ⁻)	D	$I_\gamma: I_\gamma(635)/I_\gamma(347)=0.20 \ 4$ in ¹¹² Sn(¹⁶ O,2npy).
685.6	(19/2 ⁻)	436.40 <i>14</i>		249.3	(15/2 ⁻)	E2	
783.3		404.4	100	378.9			
784.4+x	(15/2 ⁺)	290.9 <i>5</i>	100 <i>4</i>	493.4+x	(13/2 ⁺)		
		553.5 <i>5</i>	49 <i>3</i>	230.91+x	(11/2 ⁺)		
1005.1		459.2		546.0			
		810.7		194.3			
1072.9	(15/2 ⁻)	823.42 <i>20</i>	<100	249.3	(15/2 ⁻)		$I_\gamma: I_\gamma(823)/I_\gamma(1064)=0.6 \ 2$ in ¹¹² Sn(¹⁶ O,2npy).
		1064.44 <i>20</i>	<100	8.7	(11/2 ⁻)		
1099.8+x	(17/2 ⁺)	315.4 <i>5</i>	100 <i>4</i>	784.4+x	(15/2 ⁺)		
		606.6 <i>5</i>	76 <i>4</i>	493.4+x	(13/2 ⁺)		
1111.3	(17/2)	425.43 <i>19</i>	74 <i>6</i>	685.6	(19/2 ⁻)		$I_\gamma: I_\gamma(425)/I_\gamma(862)=0.7 \ 2$ in ¹¹² Sn(¹⁶ O,2npy).
		862.24 <i>19</i>	100 <i>6</i>	249.3	(15/2 ⁻)		
1120.3	(15/2)	476.40 <i>14</i>	100 <i>4</i>	643.92	(11/2 ⁺)	Q	
		870.99 <i>19</i>	13.8 <i>5</i>	249.3	(15/2 ⁻)	D	$I_\gamma: I_\gamma(871)/I_\gamma(476)=0.10 \ 1$ in ¹¹² Sn(¹⁶ O,2npy).
1289.2	(23/2 ⁻)	603.55 <i>14</i>	100	685.6	(19/2 ⁻)	E2	
1435.2+x	(19/2 ⁺)	335.2 <i>5</i>	89 <i>5</i>	1099.8+x	(17/2 ⁺)		
		650.7 <i>5</i>	100 <i>5</i>	784.4+x	(15/2 ⁺)		
1481.5	(19/2 ⁻)	408.70 <i>19</i>	55 <i>5</i>	1072.9	(15/2 ⁻)	Q	
		795.87 <i>20</i>	<45	685.6	(19/2 ⁻)	D+Q	$I_\gamma: I_\gamma(795)/I_\gamma(409)=0.40 \ 7$ in ¹¹² Sn(¹⁶ O,2npy).

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Adopted Levels, Gammas (continued)

$\gamma(^{125}\text{La})$ (continued)							
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\ddagger	E_f	J_f^π	Mult.#	Comments
1481.5	(19/2 ⁻)	1232.21 19	100 9	249.3	(15/2 ⁻)	(Q)	Mult.: From DCO in $^{112}\text{Sn}(^{16}\text{O},2n\gamma)$ and relevant levels. I $_\gamma$: I $_\gamma(1232)/I_\gamma(409)=1.33$ 13 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$.
1491.6		806.2 2 1242.0 2		685.6 249.3	(19/2 ⁻) (15/2 ⁻)		
1615.7	(19/2 ⁺)	495.30 14 504.20 19	100 4 11.8 5	1120.3 1111.3	(15/2) (17/2)	Q	I $_\gamma$: I $_\gamma(504)/I_\gamma(495)=0.08$ 1 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$.
		930.10 19	23.7 11	685.6	(19/2 ⁻)	D	I $_\gamma$: I $_\gamma(930)/I_\gamma(495)=0.22$ 1 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$.
1727.2	(21/2 ⁻)	1041.50 19	100	685.6	(19/2 ⁻)	D+Q	
1782.6+x	(21/2 ⁺)	347.2 5 682.9 5	66 3 100 5	1435.2+x 1099.8+x	(19/2 ⁺) (17/2 ⁺)		
1801.7	(19/2 ⁺)	681.43 19	100	1120.3	(15/2)		
1818.3		1132.6 2 1568.8 2		685.6 249.3	(19/2 ⁻) (15/2 ⁻)		
1978.6	(21/2 ⁺)	1292.93 19	100	685.6	(19/2 ⁻)	D	
2013.6	(23/2 ⁻)	532.29 19 1327.93 19	100 5 45 5	1481.5 685.6	(19/2 ⁻) (19/2 ⁻)	Q (Q)	I $_\gamma$: I $_\gamma(1328)/I_\gamma(532)=0.40$ 6 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$. Mult.: From DCO in $^{112}\text{Sn}(^{16}\text{O},2n\gamma)$ and relevant levels.
2033.2	(27/2 ⁻)	744.15 14	100	1289.2	(23/2 ⁻)		
2037.3		747.7 2 1352.0 2		1289.2 685.6	(23/2 ⁻) (19/2 ⁻)		
2074.9	(23/2 ⁺)	347.59 19 459.20 14 785.84 19	9.4 5 100 4 14.0 5	1727.2 1615.7 1289.2	(21/2 ⁻) (19/2 ⁺) (23/2 ⁻)	D Q D	I $_\gamma$: I $_\gamma(789)/I_\gamma(459)=0.11$ 1 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$.
2134.4+x	(23/2 ⁺)	351.7 5 699.3 5	53 3 100 6	1782.6+x 1435.2+x	(21/2 ⁺) (19/2 ⁺)		
2331.0	(23/2 ⁺)	352 1 529.28 21	<100 100 10	1978.6 1801.7	(21/2 ⁺) (19/2 ⁺)		
2412.0	(23/2 ⁺)	610.29 19 796.5 5	100 6 59 6	1801.7 1615.7	(19/2 ⁺) (19/2 ⁺)		
2448.3+x	(25/2 ⁺)	314 1 665.7 5	<36 100 7	2134.4+x 1782.6+x	(23/2 ⁺) (21/2 ⁺)		
2459.1	(25/2 ⁺)	384.20 14 480.40 19	<10 14 10	2074.9 1978.6	(23/2 ⁺) (21/2 ⁺)	D+Q Q	I $_\gamma$: I $_\gamma(384)/I_\gamma(480)=0.24$ 6 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$. I $_\gamma$: I $_\gamma(480)/I_\gamma(1170)=0.33$ 5 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$.
2496.9		1169.90 14 678.4 2 1208.0 2	100 5	1289.2 1818.3 1289.2	(23/2 ⁻) (23/2 ⁻) (23/2 ⁻)	D	
2625.2	(21/2,23/2)	1336.0 2		1289.2	(23/2 ⁻)		
2631.4	(27/2 ⁺)	556.40 14		2074.9	(23/2 ⁺)	Q	
2660.3	(27/2 ⁻)	646.79 19 1371.04 19	100 5 27.0 14	2013.6 1289.2	(23/2 ⁻) (23/2 ⁻)	Q	I $_\gamma$: I $_\gamma(1371)/I_\gamma(647)=0.14$ 4 in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$.
2746.6+x	(27/2 ⁺)	612.2 5	100	2134.4+x	(23/2 ⁺)		
2850.6		817.4 2		2033.2	(27/2 ⁻)		
2864.0	(27/2 ⁺)	404.90 19 533.06 19	84 5 100 5	2459.1 2331.0	(25/2 ⁺) (23/2 ⁺)		

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Adopted Levels, Gammas (continued)

							$\gamma(^{125}\text{La})$ (continued)		
$E_i(\text{level})$	J_i^π	E_γ^\dagger	I_γ^\ddagger	E_f	J_f^π	Mult. #	Comments		
2885.0	(31/2 ⁻)	851.80 14	100	2033.2	(27/2 ⁻)	Q			
3030.4+x	(29/2 ⁺)	582.1 5	100	2448.3+x	(25/2 ⁺)				
3038.4	(29/2 ⁺)	406.71 20	<16	2631.4	(27/2 ⁺)		I _γ : I _γ (407)/I _γ (579)=0.28 10 in ¹¹² Sn(¹⁶ O,2npy).		
		579.27 19	100 5	2459.1	(25/2 ⁺)	Q			
		1005.26 19	87 5	2033.2	(27/2 ⁻)	D	I _γ : I _γ (1005)/I _γ (579)=0.72 9 in ¹¹² Sn(¹⁶ O,2npy).		
3046.2		634.2 2		2412.0	(23/2 ⁺)				
3300.7	(31/2 ⁺)	669.25 14	100	2631.4	(27/2 ⁺)	Q			
3329.3	(25/2,27/2,29/2)	1296.0 2		2033.2	(27/2 ⁻)				
3371.3+x	(31/2 ⁺)	624.7 5	100	2746.6+x	(27/2 ⁺)				
3401.2	(31/2 ⁻)	740.94 19	100 4	2660.3	(27/2 ⁻)	Q			
		1367.9 5	15.4 14	2033.2	(27/2 ⁻)				
3541.4	(31/2 ⁺)	502.8 5	48 4	3038.4	(29/2 ⁺)				
		677.7 5	100 4	2864.0	(27/2 ⁺)				
3716.4+x	(33/2 ⁺)	686.0 5	100	3030.4+x	(29/2 ⁺)				
3749.3	(33/2 ⁺)	710.99 19	100	3038.4	(29/2 ⁺)	Q			
3804.7	(35/2 ⁻)	919.60 14	100	2885.0	(31/2 ⁻)	Q			
4077.9	(35/2 ⁺)	777.25 14	100	3300.7	(31/2 ⁺)	Q			
4110.3+x	(35/2 ⁺)	739 1	100	3371.3+x	(31/2 ⁺)				
4216.9	(35/2 ⁻)	815.70 19	100	3401.2	(31/2 ⁻)				
4353.7	(35/2 ⁺)	812.3 5	100	3541.4	(31/2 ⁺)				
4502.4+x	(37/2 ⁺)	786 1	100	3716.4+x	(33/2 ⁺)				
4589.5	(37/2 ⁺)	840.11 19	100	3749.3	(33/2 ⁺)				
4772.9	(39/2 ⁻)	968.25 14	100	3804.7	(35/2 ⁻)				
4954.8	(39/2 ⁺)	876.85 14	100	4077.9	(35/2 ⁺)				
5117.4	(39/2 ⁻)	900.5 5	100	4216.9	(35/2 ⁻)				
5259.4	(39/2 ⁺)	905.7 5	100	4353.7	(35/2 ⁺)				
5530.0	(41/2 ⁺)	940.5 5	100	4589.5	(37/2 ⁺)				
5806.7	(43/2 ⁻)	1033.8 5	100	4772.9	(39/2 ⁻)				
5909.0	(43/2 ⁺)	954.2 5	100	4954.8	(39/2 ⁺)				
6097.2	(43/2 ⁻)	979.8 5	100	5117.4	(39/2 ⁻)				
6232.9	(43/2 ⁺)	973.5 5	100	5259.4	(39/2 ⁺)				
6525.3	(45/2 ⁺)	995.3 5	100	5530.0	(41/2 ⁺)				
6910.9	(47/2 ⁺)	1001.9 5	100	5909.0	(43/2 ⁺)				
6924.2	(47/2 ⁻)	1117.5 5	100	5806.7	(43/2 ⁻)				
7145.3	(47/2 ⁻)	1048.0 5	100	6097.2	(43/2 ⁻)				
7256.9?	(47/2 ⁺)	1024 @ 1	100	6232.9	(43/2 ⁺)				
7573.0	(49/2 ⁺)	1047.7 5	100	6525.3	(45/2 ⁺)				
7958.1	(51/2 ⁺)	1047.2 5	100	6910.9	(47/2 ⁺)				
8126.3	(51/2 ⁻)	1202.1 5	100	6924.2	(47/2 ⁻)				
8266.3	(51/2 ⁻)	1121 1	100	7145.3	(47/2 ⁻)				
8710.5	(53/2 ⁺)	1137.5 5	100	7573.0	(49/2 ⁺)				
9072.1	(55/2 ⁺)	1114.0 5	100	7958.1	(51/2 ⁺)				
9391.6	(55/2 ⁻)	1265.3 5	100	8126.3	(51/2 ⁻)				
9436.3?	(55/2 ⁻)	1170 @ 1	100	8266.3	(51/2 ⁻)				
9945.5	(57/2 ⁺)	1235 1	100	8710.5	(53/2 ⁺)				
10268.1	(59/2 ⁺)	1196.0 5	100	9072.1	(55/2 ⁺)				
10680.6?	(59/2 ⁻)	1289 @ 1	100	9391.6	(55/2 ⁻)				
11266.5?	(61/2 ⁺)	1321 @ 1	100	9945.5	(57/2 ⁺)				
11551.1	(63/2 ⁺)	1283 1	100	10268.1	(59/2 ⁺)				
12018.6?	(63/2 ⁻)	1338 @ 1	100	10680.6?	(59/2 ⁻)				
12924.1	(67/2 ⁺)	1373 1	100	11551.1	(63/2 ⁺)				
14391.1?	(71/2 ⁺)	1467 @ 1	100	12924.1	(67/2 ⁺)				

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Adopted Levels, Gammas (continued) **$\gamma(^{125}\text{La})$ (continued)**

† Weighted average of those in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$ and $^{94}\text{Mo}(^{40}\text{Ca},2\alpha,\text{p}\gamma)$.

‡ From $^{94}\text{Mo}(^{40}\text{Ca},2\alpha,\text{p}\gamma)$.

From $\gamma\gamma(\theta)$ (DCO) and RUL in $^{112}\text{Sn}(^{16}\text{O},2n\text{p}\gamma)$.

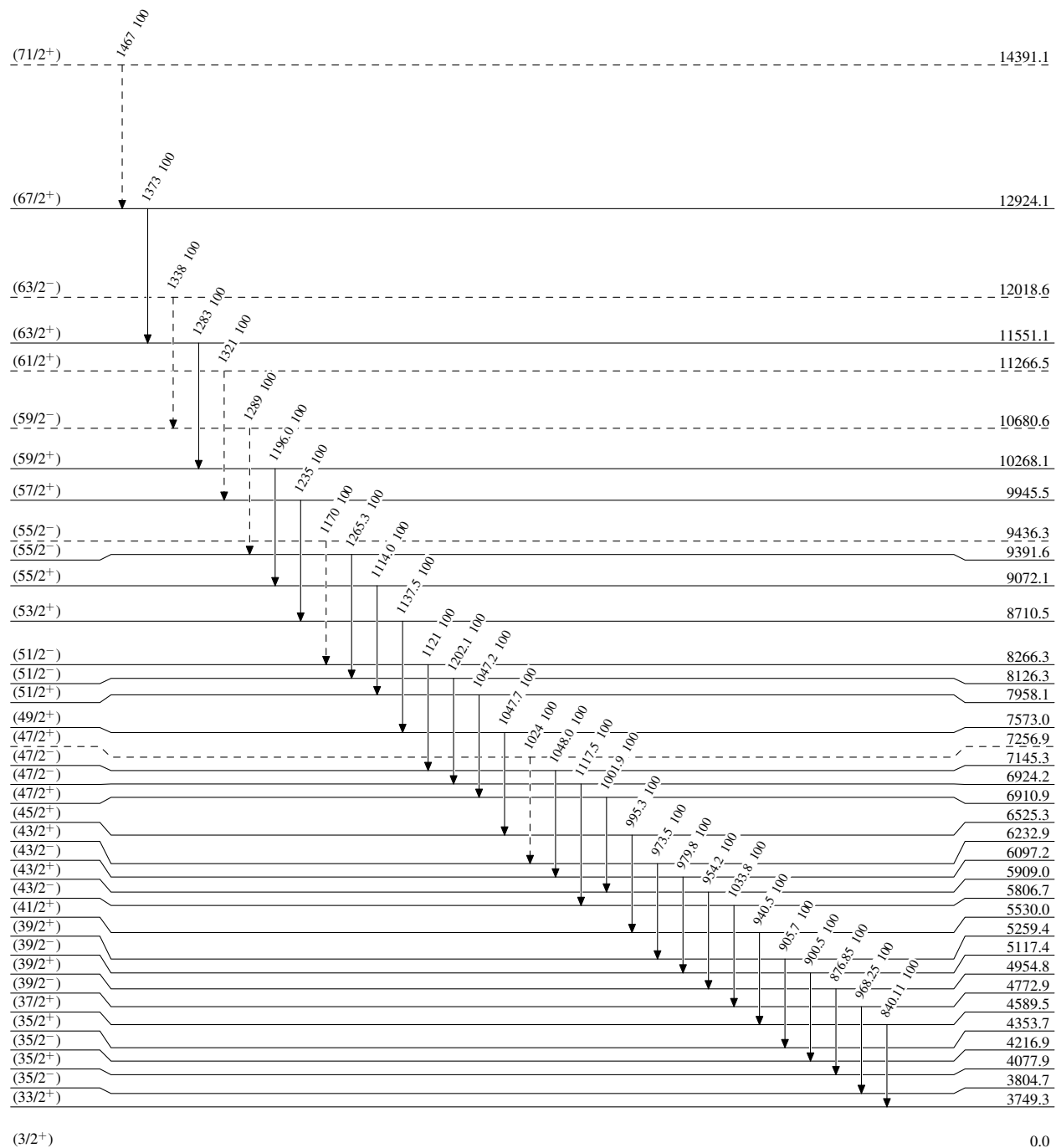
@ Placement of transition in the level scheme is uncertain.

Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

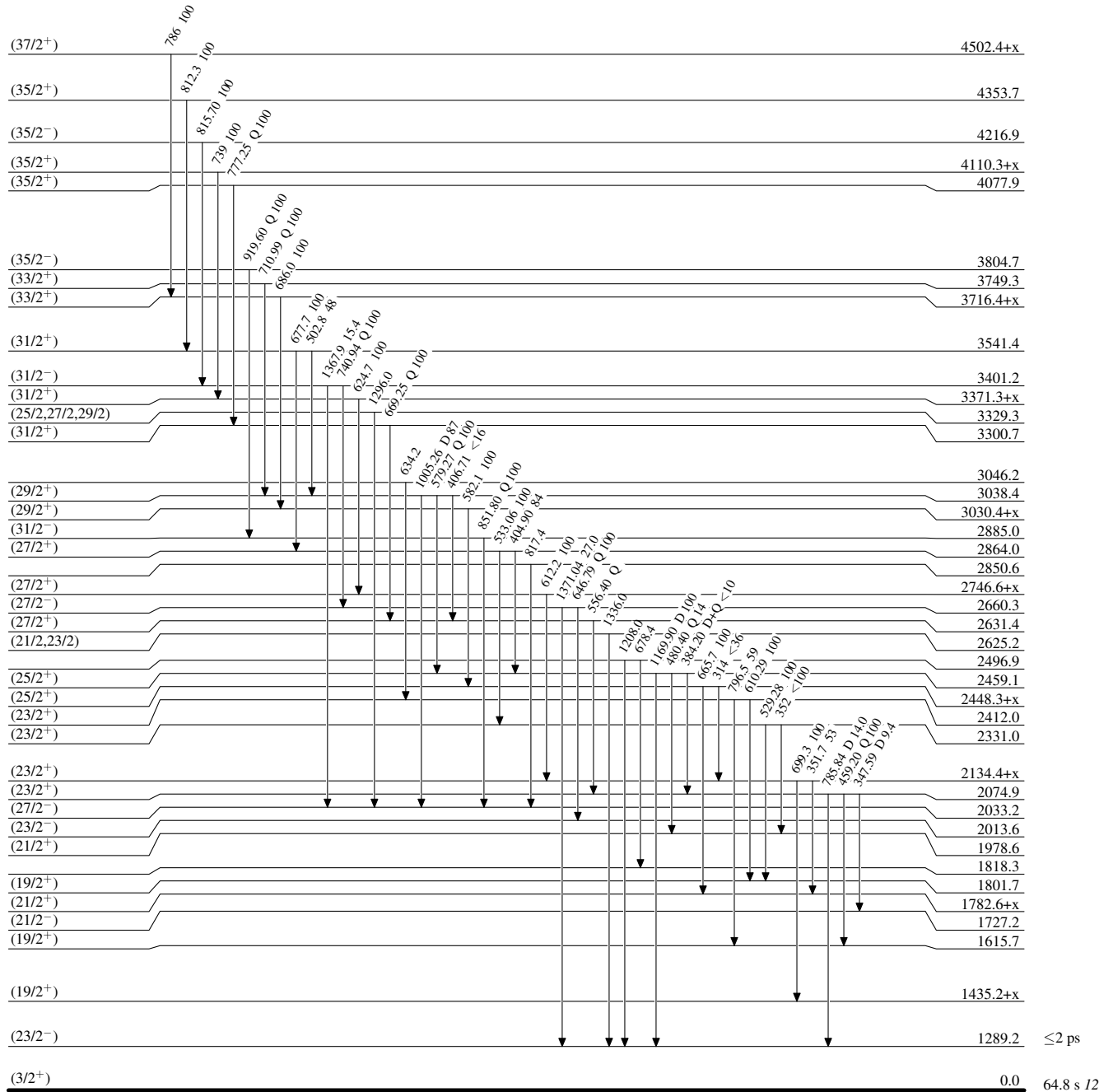
-----▶ γ Decay (Uncertain)

64.8 s 12

Adopted Levels, Gammas

Level Scheme (continued)

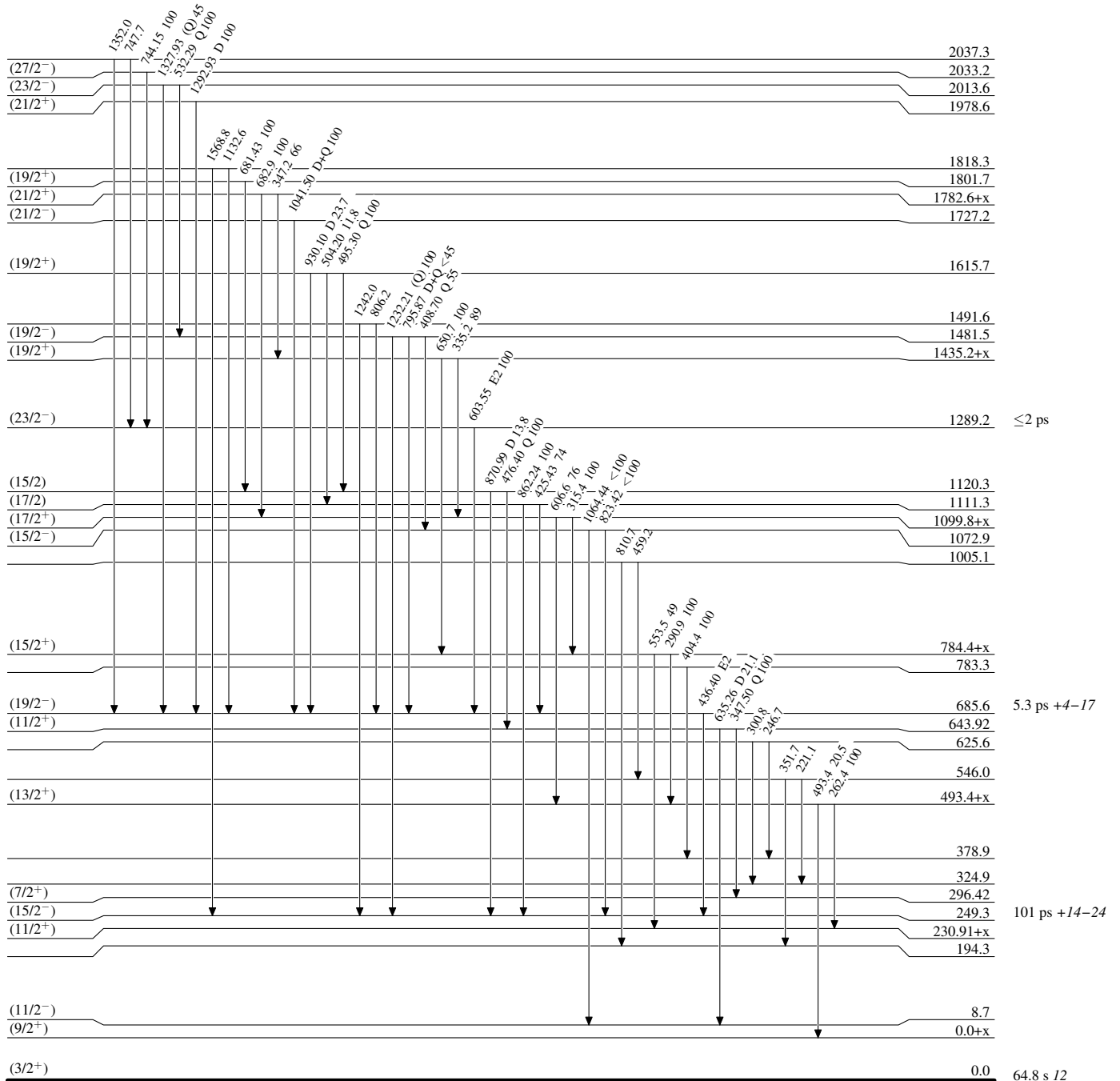
Intensities: Relative photon branching from each level



Adopted Levels, Gammas

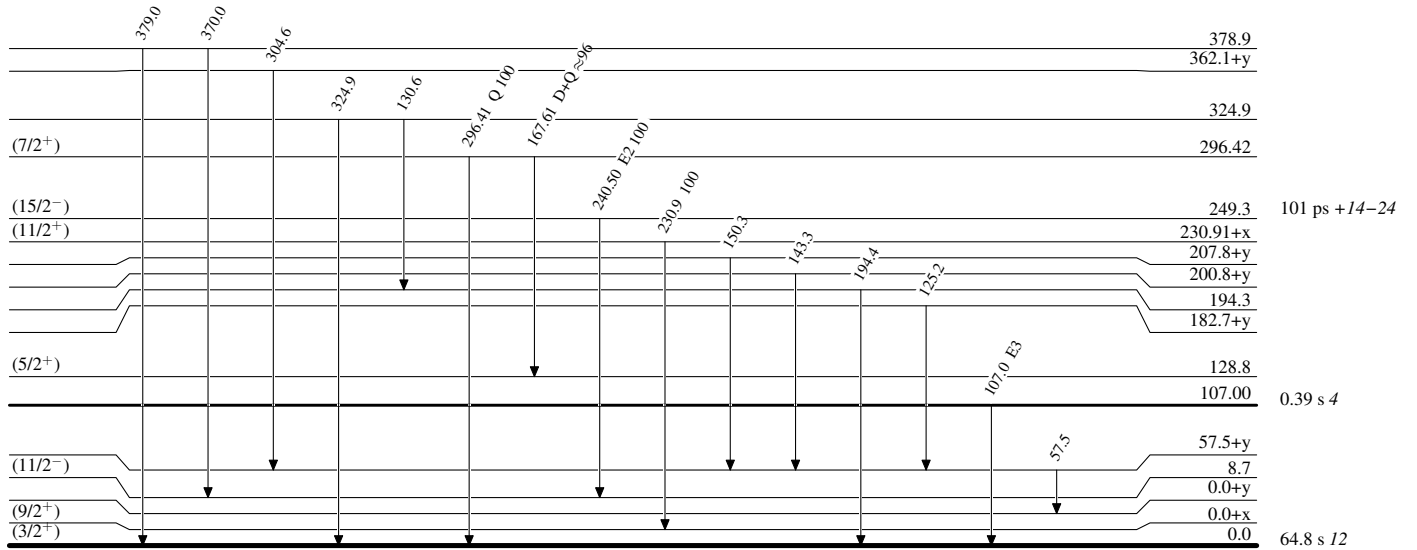
Level Scheme (continued)

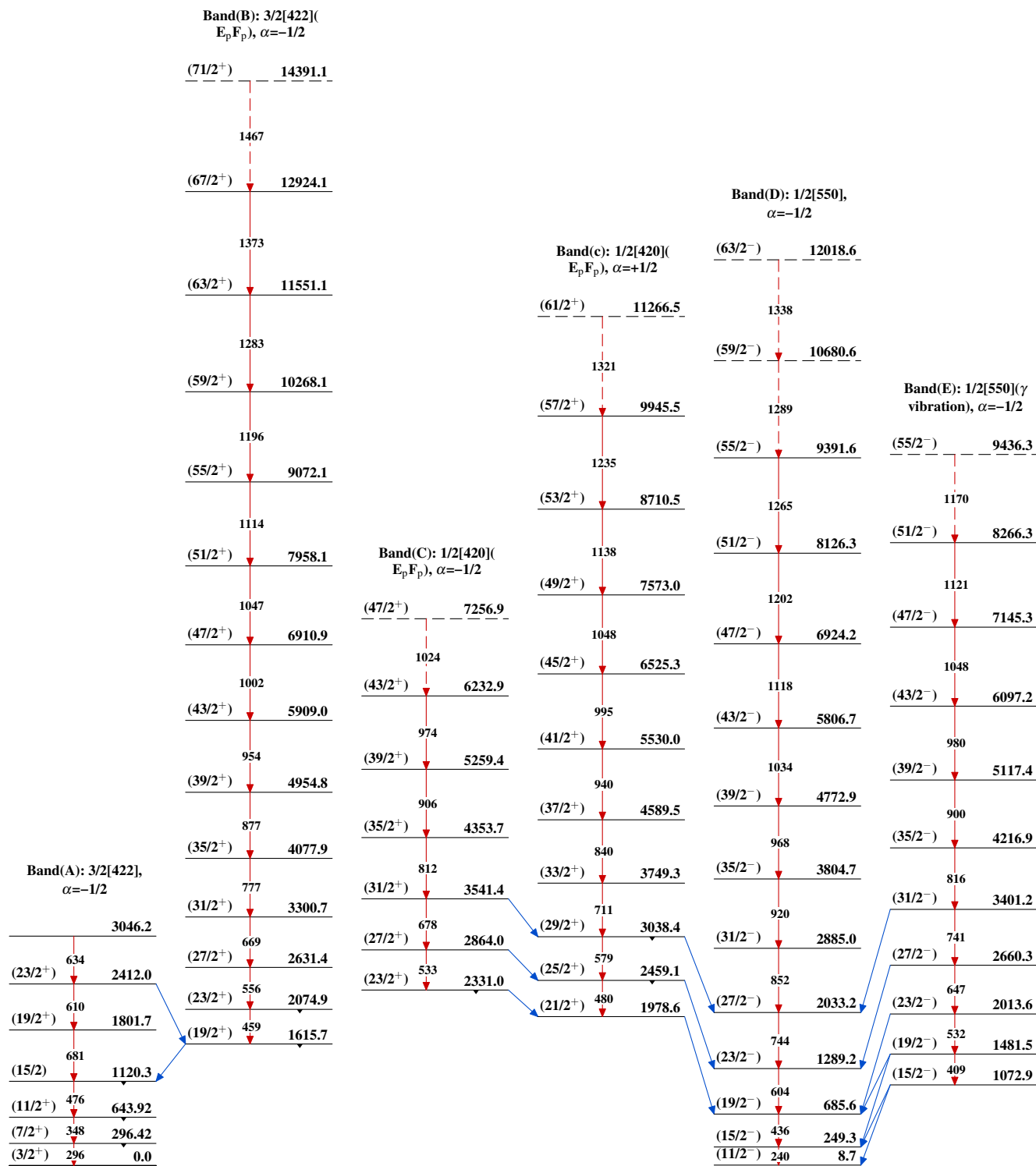
Intensities: Relative photon branching from each level

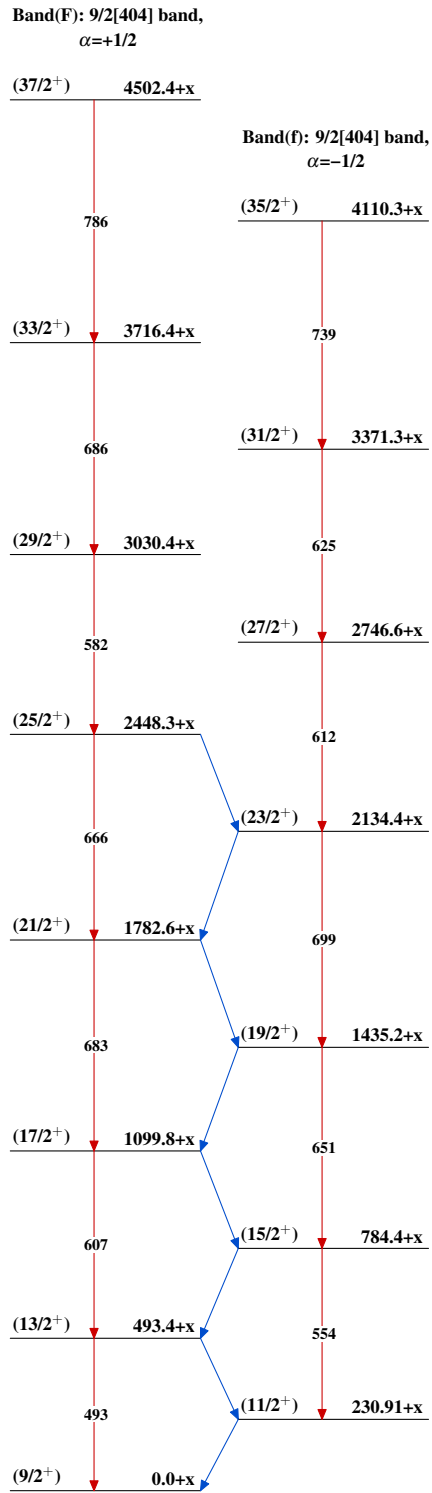


Adopted Levels, Gammas**Level Scheme (continued)**

Intensities: Relative photon branching from each level

 $^{125}_{57}\text{La}_{68}$

Adopted Levels, Gammas

Adopted Levels, Gammas (continued) $^{125}_{57}\text{La}_{68}$