Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	S. Ohya	NDS 111,1619 (2010)	20-Jan-2009

Q(β^-)=−1.05×10^3 *3*; S(n)=9252 *8*; S(p)=5789 *3*; Q(α)=−3080 *6* 2012Wa38
Note: Current evaluation has used the following Q record −1054 26 *9241.5 745778.5 21*−3073.7 *55* 2009AuZZ.

^{121}Sb Levels

Cross Reference (XREF) Flags

A	^{121}Sn β^- decay (27.03 h)	G	^{176}Yb(^{31}P,Xγ)	M	^{120}Sn(p,p),(pol p,p) IAS
B	^{121}Sn β^- decay (43.9 y)	H	^{122}Te(t,α)	N	^{121}Sb IT decay (179 μs)
C	^{121}Te ε decay (19.17 d)	I	^{123}Sb(p,t)	O	^{120}Sn(α,t)
D	^{121}Te ε decay (164.2 d)	J	^{120}Sn(^{3}He,d)	P	^{120}Sn(^{7}Li,α2nγ)
E	Coulomb excitation	K	^{121}Sb(d,d′), (α,α′)		
F	^{121}Sb(n,n′γ), ^{120}Sn(p,γ)	L	^{121}Sb(γ,γ′)		

E(level)[†]	J$^\pi$[#]	T$_{1/2}$	XREF	Comments
0.0	5/2$^+$	stable	ABCDEFGHIJKL NOP	μ=+3.3634 *3*; Q=−0.36 *4* J$^\pi$: configuration=(π 2d$_{5/2}$). μ: from 2005St24; recalculated with the use of μ value of ^{23}Na standard (2005St24). Q: from 2005St24; Sternheimer or other polarization correction included (2005St24). Other: −0.45 *3* (AB,R) (2005St24). J$^\pi$: J=5/2 in optical spectroscopy, microwave absorption in gases (1976Fu06), L=2 in (^{3}He,d), (t,α).
37.1298 *2*	7/2$^+$	3.46 ns *3*	BCDEFGHIJKL NOP	μ=+2.518 *7*; Q=−0.48 *5*; Configuration=(π 1g$_{7/2}$) E(level): from (γ,γ′) (2006Wi04). J$^\pi$: M1 γ to 5/2$^+$. Fed in ε decay and β- decay from 11/2$^-$. μ: from 2005St24; consistent with μ value for ^{121}Sb g.s. standard. Q: from 2005St24; consistent with Q value of ^{121}Sb g.s., Sternheimer or other polarization correction included (2005St24). T$_{1/2}$: from (β)(K x ray)(t) (1982Ha31). Others: 2.96 ns *8* from (470γ)(37γ)(t), (1102γ)(37γ)(t) (1973Be18); 3.5 ns *2* from (1102γ)(ce 37γ)(t) (1964Ch08); 3.47 ns *39* from (γ,γ′)(2000Ki15).
507.597 *8*	3/2$^+$	1.93 ps *19*	C EF HIJKL	J$^\pi$: L=2 in (^{3}He,d), (t,α); log *ft*=6.85 from 1/2$^+$. T$_{1/2}$: from (γ,γ′).
573.142 *9*	1/2$^+$	10.0 ps *16*	C EF HIJKL	J$^\pi$: L=0 in (t,α). T$_{1/2}$: from unweighted average of 8.5 ps *10* in (γ,γ′) and 11.6 ps *9* in Coul. ex.
946.989[@] *14*	9/2$^+$[‡]	20 ps +9−5	DEFGHI L N P	XREF: H(935). J$^\pi$: L=4 in (t,α); $\gamma(\theta)$ in (n,n′γ). T$_{1/2}$: from Coul. ex. T$_{1/2}$>0.15 ps from (γ,γ′).
1024.0 *3*	7/2$^+$	0.16 ps *3*	DEF HI KL	J$^\pi$: $\gamma(\theta)$ in (n,n′γ); M1+E2 γ to 5/2$^+$. T$_{1/2}$: weighted average of 0.18 ps *4* from (γ,γ′) and 0.14 ps *5* from Coul.ex.
1035.429 *14*	9/2$^+$	>0.3×10^{-3} ps	DEFG IJ L N P	J$^\pi$: $\gamma(\theta)$ in (n,n′γ); Coul. ex. *J$^\pi$* is consistent with two-particle, one-hole calculation (1975Me23). T$_{1/2}$: from (γ,γ′).
1139.287 *20*	9/2$^+$,11/2$^+$		D FGHIJ N P	XREF: H(1131).

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Adopted Levels, Gammas (continued)

^{121}Sb Levels (continued)

E(level)†	Jπ#	$T_{1/2}$	XREF	Comments
				Jπ: γ′s to $7/2^+$, $9/2^+$, no γ to $5/2^+$; log *ft*=7.8 from $11/2^-$; L=2 in (p,t); two-particle, one-hole calculation of 1975Me23 suggests $11/2^+$.
1144.66 *4*	$9/2^+$	0.46 ps *+15−9*	DEFG KL N P	Jπ: γ(θ) in (n,n′γ); Coul. ex. $T_{1/2}$: from (γγ′) (1981Ca10); other: 0.21 ps *7* (1975An16) from Doppler-shift attenuation in Coul. ex.
1321.94@ *17*	$(11/2^+)$‡		FG N P	Jπ: D γ to $9/2^+$.
1385.2 *3*	+		EF IJKL	Jπ: L=2 in (p,t). $T_{1/2}$: $T_{1/2}$=0.0190(2J+1) ps *14* from (γ,γ).
1407.29 *19*	$1/2^+,3/2,5/2^+$		F L	Jπ: γ′s to $1/2^+$ and $5/2^+$.
1426.88& *17*	$(11/2)^-$		FG IJK NOP	Jπ: L=3 in (p,t), D(Q2) γ to $9/2^+$, no γ′s to levels with J^π<$9/2^+$.
1447.51 *24*	$3/2^+,5/2^+,7/2^+$		F HIJKL	Jπ: γ′s to $3/2^+$ and $7/2^+$, L=2 in (p,t). L=1 in (t,α) is not consistent with this assignment, but the energy resolution is only 30 keV so other levels may be contributing. L=2 in (^{3}He,d) confirms π=+.
1471.2 *3*	+		F I L	Jπ: L=2 in (p,t).
1474.4 *6*	+		F I L	Jπ: L=2 in (p,t).
1509.0 *7*	+		F I	Jπ: L=2 in (p,t).
1519.2 *4*	+		F I L	Jπ: L=2 in (p,t).
1590.4 *4*			F L	
1612.5 *7*	+		F I	Jπ: L=2 in (p,t).
1628.3 *3*	+		F IJ L	Jπ: L=2+0 in (^{3}He,d).
1649.78@ *20*	$(13/2^+)$‡		G N P	Jπ: D γ to $(11/2^+)$.
1659 *10*	$1/2^-,3/2^-$		H	Jπ: L=1 in (t,α).
1736.31 *20*	+		F IJKL	Jπ: L=2 in (p,t).
1758.5 *4*	+		I L	Jπ: L=2 in (p,t).
1810.8 *5*	$1/2^+,3/2^+$		F Ij L	XREF: j(1816). Jπ: L=2 in (p,t), L=0 in (^{3}He,d).
1822 *5*	$1/2^+,3/2^+$		Ij	XREF: j(1816). Jπ: L=2 in (p,t), L=0 in (^{3}He,d).
1868 *5*	+		I	Jπ: L=4 in (p,t).
1883 *5*	+		I	Jπ: L=2 in (p,t).
1910.6 *3*			L	
1927.1 *5*			L	
1932 *5*	+		I	Jπ: L=2+4+6 in (p,t).
1951 *5*	+		I	Jπ: L=2 in (p,t).
1981.6 *4*	$3/2^+,5/2^+$		J L	Jπ: L=2 in (p,t), L=2 in (^{3}He,d).
1995 *5*	+		I	Jπ: L=2 in (p,t).
1997.80@ *23*	$(15/2^+)$‡		G N P	Jπ: Dγ to $(13/2^+)$.
2016.5 *9*			L	
2025.9 *6*			L	
2035 *5*	+		I	Jπ: L=4 in (p,t).
2048 *3*			L	
2057.08 *21*	$(13/2^+)$		N P	
2063.2 *4*	+		I L	Jπ: L=4 in (p,t).
2075 *5*	−		I KL	Jπ: L=5 in (p,t).
2093.0 *7*	−		I L	Jπ: L=3 in (p,t).
2097.9 *5*	$3/2^+,5/2^+$		J L	Jπ: L=2 in (^{3}He,d).
2104 *5*	−		I	Jπ: L=3 in (p,t).
2114.1 *4*	+		I L	Jπ: L=2 in (p,t).
2121.3 *7*			L	
2129 *5*	−		I K	Jπ: L=5 in (p,t).
2139.0 *4*	$13/2^+,15/2^+$		P	Jπ: Q2 γ to $9/2^+,11/2^+$.

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Adopted Levels, Gammas (continued)

^{121}Sb Levels (continued)

E(level)[†]	Jπ[#]	$T_{1/2}$	XREF	Comments
2140.2 *7*			KL	XREF: K(2137).
2142.23[&] *21*	(15/2)$^-$	1.8 ns *2*	G N P	$T_{1/2}$: from ^{120}Sn(^{7}Li,α2n).
2149 *5*	$-$		IJ	Jπ: L=3 in (p,t).
2150.7? *6*	(17/2)		N	
2159 *5*	$-$		I	Jπ: L=5 in (p,t).
2165 *5*	$-$		I	Jπ: L=1 in (p,t).
2176 *5*	$-$		I	Jπ: L=3 in (p,t).
2189 *5*	1/2$^+$,3/2$^+$		IJ	XREF: J(2200). Jπ: L=0 in (p,t), L=0 in (^{3}He,d).
2209 *5*	$-$		I K	Jπ: L=3 in (p,t).
2235.5 *3*	+		I L	Jπ: L=0 in (p,t).
2239 *5*	$-$		I	Jπ: L=5 in (p,t).
2255.2 *6*			kL	XREF: k(2254).
2259.1 *3*			kL	XREF: k(2254).
2265.9 *4*	+		I L	Jπ: L=4 in (p,t).
2280.4 *5*			KL	
2289.8 *4*	+		I L	Jπ: L=4 in (p,t).
2302 *5*	$-$		I	Jπ: L=3 in (p,t).
2312 *5*	$-$		I	Jπ: L=1 in (p,t).
2323.5 *4*			L	
2329 *3*	1/2$^+$,3/2$^+$		IJ L	XREF: J(2335). Jπ: L=0 in (^{3}He,d).
2356.78[@] *25*	(17/2$^+$)[‡]		G N P	
2362 *5*	+		I	Jπ: L=4 in (p,t).
2371 *2*			L	
2377 *5*	+		IJ	Jπ: L=2 in (p,t).
2398.84 *22*	+		I L	Jπ: L=4 in (p,t).
2407 *5*	+		I	Jπ: L=4 in (p,t).
2426 *5*	+		I	Jπ: L=4 in (p,t).
2434.6[&] *3*	(19/2)$^-$	7.8 ns *3*	G N P	$T_{1/2}$: from ^{121}Sb IT decay (179 μs). $T_{1/2}$: weighted average of 8.5 ns *5* from ^{121}Sb IT decay (179 μs) and 7.7 ns *2* from ^{120}Sn(^{7}Li,α2n).
2435.89 *22*	+		IJ L	Jπ: L=2 in (p,t).
2442.0 *3*			L	
2447.7 *4*			L	
2452 *5*	+		I	Jπ: L=4 in (p,t).
2459.2 *6*			I L	
2477.0 *4*	$-$		I L	Jπ: L=3 in (p,t).
2488 *5*	$-$		I	Jπ: L=3 in (p,t).
2497.7 *3*			L	
2502 *5*	+		I	Jπ: L=0 in (p,t).
2523 *5*	+		I	Jπ: L=4 in (p,t).
2543.1 *4*	17/2		P	Jπ: D γ to (15/2)$^-$.
2545 *5*	$-$		I	Jπ: L=1 in (p,t).
2551.6 *4*	(21/2,19/2)$^-$		N P	
2558 *10*	+		IJ	Jπ: L=0+2 in (^{3}He,d).
2573.8 *7*			L	
2578.8 *6*			L	
2585.6 *8*	+		I L	Jπ: L=4 in (p,t).
2599 *5*	$-$		I	Jπ: L=3 in (p,t).
2607 *5*	$-$		I	Jπ: L=5 in (p,t).
2625 *5*	1/2$^+$,3/2$^+$		I	Jπ: L=4 in (p,t), L=0 in (^{3}He,d).
2636 *5*	+		I	Jπ: L=4 in (p,t).
2639 *10*			J	

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Adopted Levels, Gammas (continued)

^{121}Sb Levels (continued)

E(level)[†]	J$^{\pi}$[#]	$T_{1/2}$	XREF	Comments
2649.0 *7*	+		I L	J$^{\pi}$: L=2 in (p,t).
2663.2 *4*			L	
2668.1 *7*			L	
2678.1 *4*				
2679.9[@] *3*	(19/2$^+$)[‡]		G N P	
2690.5 *3*	3/2$^+$,5/2$^+$		J L	J$^{\pi}$: L=2 in (^{3}He,d).
2698.8 *8*			L	
2713.5 *4*			L	
2721.4 *6*			L	
2721.6 *4*	(21/2)$^+$	1.9 ns *3*	G N P	$T_{1/2}$: from ^{120}Sn(^{7}Li,α2n).
2721.5+x	(25/2)	179 μs *6*	N	Additional information 1. E(level): x<60 keV for E2, <80 keV for M2 based on typical Weisskopf estimates. $T_{1/2}$: weighted average of 179 μs *6* (2009Wa02), 161 μs *20* (2008Ko03), 203 μs *50* (2008Ko03) and 200 μs *30* (2008Jo03).
2725.8 *12*			L	
2733.0 *9*			L	
2740.8 *6*			L	
2745.0 *9*			L	
2764.8 *4*	(19/2$^+$)		P	J$^{\pi}$: D γ to (17/2$^+$).
2775.1 *6*			J L	
2783.7 *7*			L	
2798.7 *5*			L	
2810.0 *7*			L	
2828.4 *5*			j L	XREF: j(2830).
2835.8 *5*			j L	XREF: j(2830).
2843.6 *3*			L	
2860.1 *5*			L	
2865.3 *4*			L	
2873.1 *6*			L	
2911.0 *7*			L	
2917.3 *6*			L	
2931.8 *5*			L	
2937.4 *4*	1/2$^+$,3/2$^+$		J L	J$^{\pi}$: L=0 in (^{3}He,d).
2948.1 *9*			L	
2964.0 *7*			L	
2973.6 *3*			L	
2994.1 *3*			L	
3024.6 *6*			L	
3033.1 *10*			L	
3050.4 *3*			L	
3064.1 *6*			L	
3072.9 *5*			L	
3082.7 *8*			L	
3098.7 *3*			L	
3106.0 *8*			L	
3115.9 *6*			L	
3122.9 *4*			L	
3132.0 *7*			L	
3148.8 *7*			L	
3151.7 *8*			L	
3159.5 *3*			L	
3183.4 *5*	(21/2,23/2)		P	J$^{\pi}$: γ to (19/2$^+$) in ^{120}Sn(^{7}Li,α2nγ).
3186.9 *4*			L	
3193.7 *4*			L	

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Adopted Levels, Gammas (continued)

^{121}Sb Levels (continued)

E(level)†	Jπ#	$T_{1/2}$	XREF	Comments
3206.6 *4*			L	
3210.1 *5*			L	
3232.5 *3*			L	
3252.2 *5*			L	
3259.9 *7*			L	
3289.7 *6*			L	
3302.9 *4*			L	
3314.1 *3*			L	
3345.8 *7*			L	
3351.7 *7*			L	
3363.7 *4*			L	
3385.0 *6*			L	
3451.068 *4*	$(3/2^+,5/2^+)$	0.18 ps *4*	L	J^π: γ's to $1/2^+$, $7/2^+$. $T_{1/2}$: from (γ,γ') cross section.
3474.3 *4*			L	
3485.9 *5*			L	
3495.7 *8*			L	
3503.3 *6*			L	
3512.8 *11*			L	
3517.4 *7*			L	
3521.4 *5*			L	
3545.0 *7*			L	
3570.3 *13*			L	
3575.1 *7*			L	
3580.8 *4*			L	
3587.7 *10*			L	
3614.6 *6*			L	
3621.5 *11*			L	
3642.1 *7*			L	
3648.6 *8*			L	
3672.7 *11*			L	
3676.6 *7*			L	
3706.4 *7*			L	
3731.6 *5*			L	
3749.0 *5*			L	
3755.9 *6*			L	
3759.5 *9*			L	
3771.9 *8*			L	
3781.4 *5*			L	
3787.4 *7*			L	
3792.7 *6*			L	
3804.4 *10*			L	
3812.7 *5*			L	
3837.9 *7*			L	
3844.7 *8*			L	
3849.2 *7*			L	
3854.3 *7*			L	
3858.2 *7*			L	
3863.9 *6*			L	
3867.1 *8*			L	
3870.2 *8*			L	
3894.1 *9*			L	
3899.7 *10*			L	
3905.3 *6*			L	
3909.5 *11*			L	
3916.1 *8*			L	
3923.5 *7*			L	

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Adopted Levels, Gammas (continued)

^{121}Sb Levels (continued)

E(level)†	Jπ#	$T_{1/2}$	XREF	Comments
3929.2 *8*			L	
3933.4 *9*			L	
3941.0 *7*			L	
3972.8 *11*			L	
13274 *15*	3/2+	39 keV	M	Jπ: L=2, J=3/2 is consistent with analyzing power in (pol p,p) IAR.
13349 *15*	1/2+	60 keV	M	Jπ: L=0.
14400 *15*	5/2+	53 keV	M	Jπ: L=2, J=5/2 is consistent with analyzing power in (pol p,p) IAR.
14703 *15*	5/2+	38 keV	M	Jπ: L=3, J=5/2 is consistent with analyzing power in (pol p,p) IAR.
15870 *20*	7/2−	28 keV	M	Jπ: L=3, J=7/2 is consistent with analyzing power in (pol p,p) IAR.
15952 *20*	7/2−	70 keV	M	Jπ: L=3, J=7/2 is consistent with analyzing power in (pol p,p) IAR.
16210 *20*	(7/2−)	50 keV	M	Jπ: L=(3), J=(7/2) is consistent with analyzing power in (pol p,p) IAR.
16302 *20*	(7/2−)	42 keV	M	Jπ: L=(3), J=(7/2) is consistent with analyzing power in (pol p,p) IAR.
16399 *20*	(7/2−)	58 keV	M	Jπ: L=(3), J=(7/2) is consistent with analyzing power in (pol p,p) IAR.
16595 *20*	(7/2−)	78 keV	M	Jπ: L=(3), J=(3/2) is consistent with analyzing power in (pol p,p) IAR.
16667 *20*	3/2−	107 keV	M	Jπ: L=1, J=3/2 is consistent with analyzing power in (pol p,p) IAR.
16795 *20*	3/2−	52 keV	M	Jπ: L=1, J=3/2 is consistent with analyzing power in (pol p,p) IAR.
16940 *20*	(3/2−)	110 keV	M	Jπ: L=1, J=(3/2) is consistent with analyzing power in (pol p,p) IAR.

† E(levels) with γ decay are from least-squares fit to Eγ′s ; E(levels) from reactions are from (^{3}He,α) (ΔE=10 keV), (d,d′) (ΔE=5, 30 keV); In addition to the levels listed here, there are levels reported in (d,d′) in low-resolution work whose association with the Adopted Levels cannot be made with certainty.

‡ Monotonically increasing J sequence is suggested by cascade of coincident dipole γ′s forming a band built on 9/2+[404] Nilsson state in (^{7}Li,α2nγ) (1985Pi02).

Jπ′s ≥13/2+ for positive parity, ≥11/2− for negative parity and ≥(17/2) are based on γγ(θ), multipolarities and analogy with band structures in odd Sb isotopes from ^{121}Sb IT decay (179 μs).

@ Band(A): band based on 9/2+[404].

& Band(B): Band based on 11/2−.

Adopted Levels, Gammas (continued)

$\gamma(^{121}Sb)$

E_i(level)	J^π_i	E_γ†	I_γ‡	E_f	J^π_f	Mult.#	δ#	α@	Comments
37.1298	7/2+	37.1298 *2*	100	0.0	5/2+	M1		10.88	B(M1)(W.u.)=0.01047 *17* α(K)=9.36 *14*; α(L)=1.227 *18*; α(M)=0.243 *4*; α(N+..)=0.0514 *8* α(N)=0.0468 *7*; α(O)=0.00459 *7* E_γ: from (γ,γ') (2006Wi04). δ: from $T_{1/2}$ and B(E2) limit gives δ<0.06.
507.597	3/2+	470.472 *13*	7.97 *18*	37.1298	7/2+	(E2)		0.00924 *13*	B(E2)(W.u.)=26 *3* α(K)=0.00788 *11*; α(L)=0.001098 *16*; α(M)=0.000218 *3*; α(N+..)=4.55×10^{-5} *7* α(N)=4.16×10^{-5} *6*; α(O)=3.90×10^{-6} *6*
		507.591 *11*	100 *2*	0.0	5/2+	M1+E2	+0.137 *11*	0.00831 *12*	B(M1)(W.u.)=0.079 *9*; B(E2)(W.u.)=4.2 *8* α(K)=0.00721 *10*; α(L)=0.000887 *13*; α(M)=0.0001750 *25*; α(N+..)=3.72×10^{-5} α(N)=3.38×10^{-5} *5*; α(O)=3.36×10^{-6} *5* δ: deduced from adopted $T_{1/2}$ and B(E2) in Coul.ex.; other: +0.29 *9* from $\gamma(\theta)$ in (γ,γ').
573.142	1/2+	65.548 *13*	0.32 *3*	507.597	3/2+	M1+E2	−0.18 *10*	2.25 *23*	α(K)=1.87 *11*; α(L)=0.30 *10*; α(M)=0.061 *20*; α(N+..)=0.013 *4* α(N)=0.012 *4*; α(O)=0.00105 *24* B(M1)(W.u.)=0.024 *6*; B(E2)(W.u.)=1.3×10^{2} *+15−13* δ: from $\gamma\gamma(\theta)$ in ε decay.
		573.139 *11*	100 *2*	0.0	5/2+	E2		0.00532 *8*	B(E2)(W.u.)=25 *5* α(K)=0.00456 *7*; α(L)=0.000611 *9*; α(M)=0.0001213 *17*; α(N+..)=2.54×10^{-5} *4* α(N)=2.32×10^{-5} *4*; α(O)=2.21×10^{-6} *3*
946.989	9/2+	909.847 *18*	100 *2*	37.1298	7/2+	M1+E2		0.00189 *21*	α(K)=0.00164 *19*; α(L)=0.000202 *19*; α(M)=4.0×10^{-5} *4*; α(N+..)=8.4×10^{-6} *8* α(N)=7.7×10^{-6} *8*; α(O)=7.6×10^{-7} *8* δ: −0.23 *11* or −2.4 *+6−9* from $\gamma(\theta)$ in (n,n′γ).
		946.989 *18*	11.7 *3*	0.0	5/2+				
1024.0	7/2+	1024.00 *25*	100	0.0	5/2+	M1+E2	0.45 *5*	0.001551 *24*	B(M1)(W.u.)=0.107 *21*; B(E2)(W.u.)=15 *4* α(K)=0.001349 *21*; α(L)=0.0001630 *25*; α(M)=3.21×10^{-5} *5*; α(N+..)=6.82×10^{-6} α(N)=6.20×10^{-6} *10*; α(O)=6.18×10^{-7} *10* δ: deduced from adopted $T_{1/2}$ and B(E2) in Coul.ex.; other: −1.9 *18* from $\gamma(\theta)$ in (n,n′γ).
1035.429	9/2+	998.291 *11*	100 *2*	37.1298	7/2+	M1+E2		0.00153 *17*	α(K)=0.00133 *15*; α(L)=0.000163 *16*; α(M)=3.2×10^{-5} *3*; α(N+..)=6.8×10^{-6} *7* α(N)=6.2×10^{-6} *6*; α(O)=6.1×10^{-7} *7* δ: −0.34 *+20−24* or −1.8 *+6−13* from $\gamma(\theta)$ in (n,n′γ).

$\gamma(^{121}Sb)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	δ[#]	α[@]	Comments
1035.429	9/2+	1035.40 *10*	0.72 *30*	0.0	5/2+				
1139.287	9/2+,11/2+	103.85 *8*	0.034 *12*	1035.429	9/2+	[M1,E2]		1.0 *5*	α(K)=0.8 *3*; α(L)=0.19 *14*; α(M)=0.04 *3*; α(N+..)=0.008 *6* α(N)=0.007 *5*; α(O)=0.0006 *4*
		1102.149 *18*	100 *2*	37.1298	7/2+				
1144.66	9/2+	1107.60 *18*	37 *15*	37.1298	7/2+	M1+E2	−1.9 *18*	0.00115 *20*	B(M1)(W.u.)=0.002 *+4−2*; B(E2)(W.u.)=4 *3* α(K)=0.00100 *18*; α(L)=0.000122 *19*; α(M)=2.4×10^{-5} *4*; α(N+..)=5.7×10^{-6} *8* α(N)=4.6×10^{-6} *8*; α(O)=4.6×10^{-7} *8*; α(IPF)=5.9×10^{-7} *6*
		1144.65 *4*	100 *4*	0.0	5/2+				
1321.94	(11/2+)	374.9 *2*	100	946.989	9/2+	D			Mult.: from ^{120}Sn(^{7}Li,α2nγ).
1385.2	+	1385.2 *3*	100	0.0	5/2+				
1407.29	1/2+,3/2,5/2+	834.2 *2*	100	573.142	1/2+				
		1406.9 *5*	92	0.0	5/2+				
1426.88	(11/2)−	282.2 *3*	53 *7*	1144.66	9/2+	E1(+M2)	+0.01 *+19−14*	0.011 *6*	α(K)=0.009 *5*; α(L)=0.0011 *8*; α(M)=0.00022 *16*; α(N+..)=5.E−5 *4* α(N)=4.E−5 *3*; α(O)=4.E−6 *3*
		287.8 *4*	16 *2*	1139.287	9/2+,11/2+				
		391.2 *3*	100 *12*	1035.429	9/2+				
		479.4[b] *4*	<2	946.989	9/2+				
1447.51	3/2+,5/2+,7/2+	940.0 *3*	33	507.597	3/2+				
		1410.2 *4*	100	37.1298	7/2+				
1471.2	+	898.1 *3*		573.142	1/2+				
		1470.8[&b] *6*		0.0	5/2+				
1474.4	+	1437.3 *6*		37.1298	7/2+				
		1473.3[b] *16*		0.0	5/2+				
1509.0	+	1470.8[&b] *6*		37.1298	7/2+				
		1509.0 *7*	100	0.0	5/2+				
1519.2	+	1481.8 *6*	33	37.1298	7/2+				
		1519.3 *4*	100	0.0	5/2+				
1590.4		1590.4 *4*		0.0	5/2+				
1612.5	+	1575.4[ab] *7*	100[a]	37.1298	7/2+				
1628.3	+	1628.4 *3*		0.0	5/2+				
1649.78	(13/2+)	327.8 *3*	100 *10*	1321.94	(11/2+)	D			Mult.: from ^{120}Sn(^{7}Li,α2nγ).
		702.9 *3*	29 *3*	946.989	9/2+				
1736.31	+	1736.3 *2*	100	0.0	5/2+				

Adopted Levels, Gammas (continued)

$\gamma(^{121}Sb)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[#]	δ[#]	α[@]	Comments
1758.5	+	1758.5 *4*	100	0.0	$5/2^+$				
1810.8	$1/2^+,3/2^+$	1810.8 *5*	100	0.0	$5/2^+$				
1910.6		1910.6 *3*	100	0.0	$5/2^+$				
1927.1		1927.1 *5*	100	0.0	$5/2^+$				
1981.6	$3/2^+,5/2^+$	1981.6 *4*	100	0.0	$5/2^+$				
1997.80	$(15/2^+)$	348.0 *3*	100 *11*	1649.78	$(13/2^+)$	D			Mult.: from $^{120}Sn(^7Li,\alpha 2n\gamma)$.
		675.8 *3*	27 *4*	1321.94	$(11/2^+)$				
2016.5		2016.5 *9*	100	0.0	$5/2^+$				
2025.9		1988.9 *8*	92 *31*	37.1298	$7/2^+$				
		2025.7 *7*	100	0.0	$5/2^+$				
2057.08	$(13/2^+)$	912.7 *4*	40 *5*	1144.66	$9/2^+$				
		917.8 *4*	100 *11*	1139.287	$9/2^+,11/2^+$				
		1021.6 *5*	56 *8*	1035.429	$9/2^+$				
2063.2	+	2025.7 *7*	94 *26*	37.1298	$7/2^+$				
		2063.4 *5*	100	0.0	$5/2^+$				
2093.0	−	2093.0 *7*		0.0	$5/2^+$				
2097.9	$3/2^+,5/2^+$	2097.9 *5*	100	0.0	$5/2^+$				
2114.1	+	2114.1 *4*	100	0.0	$5/2^+$				
2121.3		2121.3 *7*	100	0.0	$5/2^+$				
2139.0	$13/2^+,15/2^+$	999.9		1139.287	$9/2^+,11/2^+$	Q			Mult.: from $^{120}Sn(^7Li,\alpha 2n\gamma)$.
2140.2		2140.2 *7*		0.0	$5/2^+$				
2142.23	$(15/2)^-$	85.3 *3*	19.5 *11*	2057.08	$(13/2^+)$	E1		0.295	α(K)=0.255 *5*; α(L)=0.0330 *6*; α(M)=0.00649 *12*; α(N+..)=0.001337 *24* α(N)=0.001225 *22*; α(O)=0.0001125 *20* B(E1)(W.u.)=3.6×10^{-5} *5* α(exp)<0.4 from ^{121}Sb IT decay (179 μs).
		144.3 *5*	3.2 *6*	1997.80	$(15/2^+)$				
		492.4 *4*	4.1 *6*	1649.78	$(13/2^+)$				
		715.2 *3*	100 *5*	1426.88	$(11/2)^-$	E2(+M3)	−0.17 *+19−8*	0.0036 *7*	α(K)=0.0031 *6*; α(L)=0.00041 *8*; α(M)=8.1×10^{-5} *16*; α(N+..)=1.7×10^{-5} *4* α(N)=1.5×10^{-5} *4*; α(O)=1.5×10^{-6} *3* B(E2)(W.u.)=(0.035 *5*); B(M3)(W.u.)=(1.4×10^4 *+30−14*) δ: other: +0.10 *+8−7* from $^{120}Sn(^7Li,\alpha 2n\gamma)$.
2235.5	+	2235.5 *3*	100	0.0	$5/2^+$				
2255.2		2255.2 *6*	100	0.0	$5/2^+$				
2259.1		2259.1 *3*	100	0.0	$5/2^+$				
2265.9	+	2265.9 *4*	100	0.0	$5/2^+$				
2280.4		2243.1 *7*	93 *28*	37.1298	$7/2^+$				
		2280.4 *6*	100	0.0	$5/2^+$				
2289.8	+	2289.8 *4*	100	0.0	$5/2^+$				

Adopted Levels, Gammas (continued)

γ(^{121}Sb) (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[‡]	E_f	J_f^π	Mult.[#]	δ[#]	α[@]	Comments
2323.5		2286.3 *5*	81 *24*	37.1298	$7/2^+$				
		2323.5 *4*	100	0.0	$5/2^+$				
2356.78	$(17/2^+)$	359.0 *3*	100 *10*	1997.80	$(15/2^+)$	(D)			Mult.: from ^{120}Sn(^{7}Li,α2nγ).
		707.1 *3*	27 *2*	1649.78	$(13/2^+)$				
2398.84	+	2361.7 *3*	45 *4*	37.1298	$7/2^+$				
		2398.8 *3*	100	0.0	$5/2^+$				
2434.6	$(19/2)^-$	77.9 *3*	4.7 *5*	2356.78	$(17/2^+)$	E1		0.381 *7*	α(K)=0.328 *6*; α(L)=0.0429 *8*; α(M)=0.00843 *16*; α(N+..)=0.00173 *3* α(N)=0.00159 *3*; α(O)=0.000145 *3* B(E1)(W.u.)=3.2×10^{-6} *4* α(exp)=0.2 *4* from ^{121}Sb IT decay (179 μs).
		292.3 *3*	100 *6*	2142.23	$(15/2)^-$	E2(+M3)	−0.01 *5*	0.0403 *21*	α(K)=0.0337 *17*; α(L)=0.0054 *3*; α(M)=0.00108 *7*; α(N+..)=0.000221 *13* α(N)=0.000203 *12*; α(O)=1.80×10^{-5} *12* B(E2)(W.u.)=(0.87 *8*); B(M3)(W.u.)=(7.E+3 *+71−7*) δ: weighted average of −0.03 *6* (2009Wa02) and +0.02 *+9−7* from ^{121}Sb IT decay (179 μs).
2435.89	+	2398.8 *3*	100	37.1298	$7/2^+$				
		2435.8 *3*	65 *4*	0.0	$5/2^+$				
2442.0		2442.0 *3*	100	0.0	$5/2^+$				
2447.7		2447.7 *4*	100	0.0	$5/2^+$				
2459.2		2459.2 *6*	100	0.0	$5/2^+$				
2477.0	−	2477.0 *4*	100	0.0	$5/2^+$				
2497.7		2497.7 *3*	100	0.0	$5/2^+$				
2543.1	17/2	401.0	100	2142.23	$(15/2)^-$	D			Mult.: from ^{120}Sn(^{7}Li,α2nγ).
2551.6	$(21/2,19/2)^-$	117.4 *3*	43	2434.6	$(19/2)^-$	M1(+E2)	<0.2	0.404 *13*	α(K)=0.346 *9*; α(L)=0.046 *3*; α(M)=0.0092 *6*; α(N+..)=0.00194 *12* α(N)=0.00177 *11*; α(O)=0.000172 *8* δ: from α(exp)=0.37 *5* (2009Wa02). Other: <0.9 from α(exp)=0.47 *17* (2008Jo03).
		400.9[b] *4*	100 *12*	2150.7?	(17/2)				
		409.3[b] *6*	29 *7*	2142.23	$(15/2)^-$				
2573.8		2573.8 *7*	100	0.0	$5/2^+$				
2578.8		2541.6 *6*	98 *52*	37.1298	$7/2^+$				
		2579.2 *14*	100	0.0	$5/2^+$				
2585.6	+	2585.6 *8*	100	0.0	$5/2^+$				
2649.0	+	2649.0 *7*	100	0.0	$5/2^+$				
2663.2		2626.1 *5*	100	37.1298	$7/2^+$				
		2663.0 *7*	66 *17*	0.0	$5/2^+$				
2668.1		2668.1 *7*	100	0.0	$5/2^+$				
2678.1		2678.1 *4*	100	0.0	$5/2^+$				

Adopted Levels, Gammas (continued)

γ(^{121}Sb) (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f	Mult.[#]	δ[#]	α[@]	Comments
2679.9	(19/2$^+$)	243		2434.6	(19/2)$^-$				
		323.1 *3*	100 *10*	2356.78	(17/2$^+$)				
		682.0 *3*	38 *3*	1997.80	(15/2$^+$)				
2690.5	3/2$^+$,5/2$^+$	2653.5 *6*	23 *4*	37.1298	7/2$^+$				
		2690.4 *3*	100	0.0	5/2$^+$				
2698.8		2698.8 *8*	100	0.0	5/2$^+$				
2713.5		2713.5 *4*	100	0.0	5/2$^+$				
2721.4		2721.4 *6*	100	0.0	5/2$^+$				
2721.6	(21/2)$^+$	41.1 *5*	5.0 *9*	2679.9	(19/2$^+$)	M1+E2	0.50 *15*	15 *4*	α(K)=8.1 *7*; α(L)=5.3 *22*; α(M)=1.1 *5*; α(N+..)=0.21 *9* α(N)=0.20 *8*; α(O)=0.014 *6* B(M1)(W.u.)>0.0024; B(E2)(W.u.)<1.1×10^2 α(exp)=12 *8*, 15 *3* from ^{121}Sb IT decay (179 μs).
		170.3 *3*	4.0 *5*	2551.6	(21/2,19/2)$^-$	E1		0.0421	α(K)=0.0365 *6*; α(L)=0.00455 *7*; α(M)=0.000893 *14*; α(N+..)=0.000187 *3* α(N)=0.000170 *3*; α(O)=1.623×10^{-5} *24* B(E1)(W.u.)=6.4×10^{-7} *16* Mult.: from α(K)exp=0.032 *5* (2009Wa02).
		286.8 *3*	100	2434.6	(19/2)$^-$	E1(+M2)	−0.01 *4*	0.0102 *4*	α(K)=0.0088 *4*; α(L)=0.00108 *5*; α(M)=0.000212 *10*; α(N+..)=4.47×10^{-5} *20* α(N)=4.07×10^{-5} *19*; α(O)=3.95×10^{-6} *18* B(E1)(W.u.)=(3.3×10^{-6} *7*); B(M2)(W.u.)=(0.019 *+149−19*) δ: weighted average of −0.06 *4* (2009Wa02) and +0.02 *3* from ^{121}Sb IT decay (179 μs). α(exp)=0.02 *5* from ^{121}Sb IT decay (179 μs): α(K)exp=0.013 *2* (2009Wa02).
2721.5+x	(25/2)	x		2721.6	(21/2)$^+$				E_γ: x<60 keV for E2, <80 keV for M2 based on typical Weisskopf estimates.
2725.8		2725.8 *12*	100	0.0	5/2$^+$				
2733.0		2733.0 *9*	100	0.0	5/2$^+$				
2740.8		2703.8 *6*	100	37.1298	7/2$^+$				
		2740.4 *10*	44 *16*	0.0	5/2$^+$				
2745.0		2745.0 *9*	100	0.0	5/2$^+$				
2764.8	(19/2$^+$)	408.0		2356.78	(17/2$^+$)	D			Mult.: from ^{120}Sn(^{7}Li,α2nγ).
		766.8		1997.80	(15/2$^+$)				
2775.1		2775.1 *6*	100	0.0	5/2$^+$				
2783.7		2783.7 *7*	100	0.0	5/2$^+$				
2798.7		2761.2 *9*	63 *26*	37.1298	7/2$^+$				
		2798.8 *6*	100	0.0	5/2$^+$				
2810.0		2810.0 *7*	100	0.0	5/2$^+$				

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Adopted Levels, Gammas (continued)

$\gamma(^{121}Sb)$ (continued)

E_i(level)	J^π_i	E_γ†	I_γ‡	E_f	J^π_f
2828.4		2791.9 *9*	47 *20*	37.1298	$7/2^+$
		2828.2 *5*	100	0.0	$5/2^+$
2835.8		2798.8 *6*	100	37.1298	$7/2^+$
		2835.6 *8*	83 *30*	0.0	$5/2^+$
2843.6		2806.2 *7*	10 *4*	37.1298	$7/2^+$
		2843.6 *3*	100	0.0	$5/2^+$
2860.1		2860.1 *5*	100	0.0	$5/2^+$
2865.3		2828.2 *5*	100	37.1298	$7/2^+$
		2865.2 *6*	24 *9*	0.0	$5/2^+$
2873.1		2835.6 *8*	100	37.1298	$7/2^+$
		2873.4 *9*	60 *28*	0.0	$5/2^+$
2911.0		2873.4 *9*	100	37.1298	$7/2^+$
		2911.6 *11*	68 *36*	0.0	$5/2^+$
2917.3		2917.3 *6*	100	0.0	$5/2^+$
2931.8		2895.2 *9*	33 *15*	37.1298	$7/2^+$
		2931.5 *6*	100	0.0	$5/2^+$
2937.4	$1/2^+,3/2^+$	2937.4 *4*	100	0.0	$5/2^+$
2948.1		2911.6 *11*	89 *54*	37.1298	$7/2^+$
		2947.3 *12*	100	0.0	$5/2^+$
2964.0		2964.0 *7*	100	0.0	$5/2^+$
2973.6		2973.6 *3*	100	0.0	$5/2^+$
2994.1		2994.1 *3*	100	0.0	$5/2^+$
3024.6		3024.6 *6*	100	0.0	$5/2^+$
3033.1		3033.1 *10*	100	0.0	$5/2^+$
3050.4		3050.4 *3*	100	0.0	$5/2^+$
3064.1		3064.1 *6*	100	0.0	$5/2^+$
3072.9		3072.9 *5*	100	0.0	$5/2^+$
3082.7		3082.7 *8*	100	0.0	$5/2^+$
3098.7		3098.7 *3*	100	0.0	$5/2^+$
3106.0		3068.9 *9*	100	37.1298	$7/2^+$
		3105.9 *12*	53 *30*	0.0	$5/2^+$
3115.9		3078.2 *10*	42 *18*	37.1298	$7/2^+$
		3116.0 *6*	100	0.0	$5/2^+$
3122.9		3122.9 *4*	100	0.0	$5/2^+$
3132.0		3132.0 *7*	100	0.0	$5/2^+$
3148.8		3148.8 *7*	100	0.0	$5/2^+$
3151.7		3151.7 *8*	100	0.0	$5/2^+$
3159.5		3159.5 *3*	100	0.0	$5/2^+$
3183.4	(21/2,23/2)	418.6		2764.8	$(19/2^+)$
3186.9		3186.9 *4*	100	0.0	$5/2^+$
3193.7		3193.7 *4*	100	0.0	$5/2^+$
3206.6		3206.6 *4*	100	0.0	$5/2^+$
3210.1		3210.1 *5*	100	0.0	$5/2^+$
3232.5		3232.5 *3*	100	0.0	$5/2^+$
3252.2		3215.0 *7*	47 *18*	37.1298	$7/2^+$
		3252.1 *7*	100	0.0	$5/2^+$
3259.9		3259.9 *7*	100	0.0	$5/2^+$
3289.7		3252.1 *7*	55 *14*	37.1298	$7/2^+$
		3290.3 *9*	100	0.0	$5/2^+$
3302.9		3265.9 *5*	100	37.1298	$7/2^+$
		3302.7 *6*	73 *40*	0.0	$5/2^+$
3314.1		3277.1 *3*	100	37.1298	$7/2^+$
		3313.7 *5*	18 *6*	0.0	$5/2^+$
3345.8		3308.5 *12*	59 *29*	37.1298	$7/2^+$
		3345.8 *8*	100	0.0	$5/2^+$
3351.7		3351.7 *7*	100	0.0	$5/2^+$
3363.7		3363.6 *4*	100	0.0	$5/2^+$
3385.0		3384.9 *6*	100	0.0	$5/2^+$
3451.068	$(3/2^+,5/2^+)$	1933[b]	16	1519.2	$^+$
		2879	21 *2*	573.142	$1/2^+$
		2943	20 *3*	507.597	$3/2^+$
		3414	11 *2*	37.1298	$7/2^+$
		3452	100	0.0	$5/2^+$
3474.3		3437.1 *8*	23 *11*	37.1298	$7/2^+$
		3474.2 *4*	100	0.0	$5/2^+$
3485.9		3485.8 *5*	100	0.0	$5/2^+$
3495.7		3495.6 *8*	100	0.0	$5/2^+$
3503.3		3503.2 *6*	100	0.0	$5/2^+$
3512.8		3512.7 *11*	100	0.0	$5/2^+$
3517.4		3480.5 *9*	63 *29*	37.1298	$7/2^+$
		3517.0 *11*	100	0.0	$5/2^+$
3521.4		3521.3 *5*	100	0.0	$5/2^+$
3545.0		3544.9 *7*	100	0.0	$5/2^+$
3570.3		3570.2 *13*	100	0.0	$5/2^+$
3575.1		3575.0 *7*	100	0.0	$5/2^+$
3580.8		3580.7 *4*	100	0.0	$5/2^+$
3587.7		3587.6 *10*	100	0.0	$5/2^+$
3614.6		3614.5 *6*	100	0.0	$5/2^+$
3621.5		3621.4 *11*	100	0.0	$5/2^+$
3642.1		3642.0 *7*	100	0.0	$5/2^+$
3648.6		3648.5 *8*	100	0.0	$5/2^+$
3672.7		3672.6 *11*	100	0.0	$5/2^+$
3676.6		3638.9 *8*	66 *27*	37.1298	$7/2^+$
		3677.3 *10*	100	0.0	$5/2^+$

$^{121}_{51}Sb_{70}$-12

Adopted Levels, Gammas (continued)

$\gamma(^{121}Sb)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[‡]	E_f	J^π_f
3706.4		3706.3 *7*	100	0.0	$5/2^+$
3731.6		3693.7 *9*	96 *34*	37.1298	$7/2^+$
		3731.7 *5*	100	0.0	$5/2^+$
3749.0		3712.1 *9*	79 *32*	37.1298	$7/2^+$
		3748.9 *5*	100	0.0	$5/2^+$
3755.9		3719.2 *11*	100	37.1298	$7/2^+$
		3755.6 *7*	88 *49*	0.0	$5/2^+$
3759.5		3759.4 *9*	100	0.0	$5/2^+$
3771.9		3771.8 *8*	100	0.0	$5/2^+$
3781.4		3781.3 *5*	100	0.0	$5/2^+$
3787.4		3787.3 *7*	100	0.0	$5/2^+$
3792.7		3755.6 *7*	68 *39*	37.1298	$7/2^+$
		3792.6 *8*	100	0.0	$5/2^+$
3804.4		3804.3 *10*	100	0.0	$5/2^+$
3812.7		3775.1 *7*	100	37.1298	$7/2^+$
		3812.9 *6*	61 *25*	0.0	$5/2^+$
3837.9		3800.4 *9*	100	37.1298	$7/2^+$
		3838.1 *9*	84 *45*	0.0	$5/2^+$
3844.7		3844.6 *8*	100	0.0	$5/2^+$
3849.2		3849.1 *7*	100	0.0	$5/2^+$
3854.3		3854.2 *7*	100	0.0	$5/2^+$
3858.2		3858.1 *7*	100	0.0	$5/2^+$
3863.9		3863.8 *6*	100	0.0	$5/2^+$
3867.1		3867.0 *8*	100	0.0	$5/2^+$
3870.2		3870.1 *8*	100	0.0	$5/2^+$
3894.1		3894.0 *9*	100	0.0	$5/2^+$
3899.7		3899.6 *10*	100	0.0	$5/2^+$
3905.3		3905.2 *6*	100	0.0	$5/2^+$
3909.5		3909.4 *11*	100	0.0	$5/2^+$
3916.1		3916.0 *8*	100	0.0	$5/2^+$
3923.5		3923.4 *7*	100	0.0	$5/2^+$
3929.2		3929.1 *8*	100	0.0	$5/2^+$
3933.4		3933.3 *9*	100	0.0	$5/2^+$
3941.0		3940.9 *7*	100	0.0	$5/2^+$
3972.8		3972.7 *11*	100	0.0	$5/2^+$

† From ^{121}Te ε decay (19.16 d, 154 d); Eγ's from high spin levels ($\geq 13/2^+$ for positive parity, $\geq 11/2^-$ for negative parity, $\geq (17/2)$ are from ^{121}Sb IT decay (179 μs); others from ^{121}Sb(n,n$'\gamma$), (γ,γ), Coul. ex.

‡ From ^{121}Te ε decay (19.16 d, 154 d); others from ^{121}Sb(n,n$'\gamma$), (γ,γ), Coul. ex., ^{120}Sn(^{7}Li,α2nγ).

\# From α in ^{121}Te IT decay, $\gamma(\theta)$ in (γ,γ'), except where noted otherwise.

@ 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.

& Multiply placed.

[a] Multiply placed with undivided intensity.

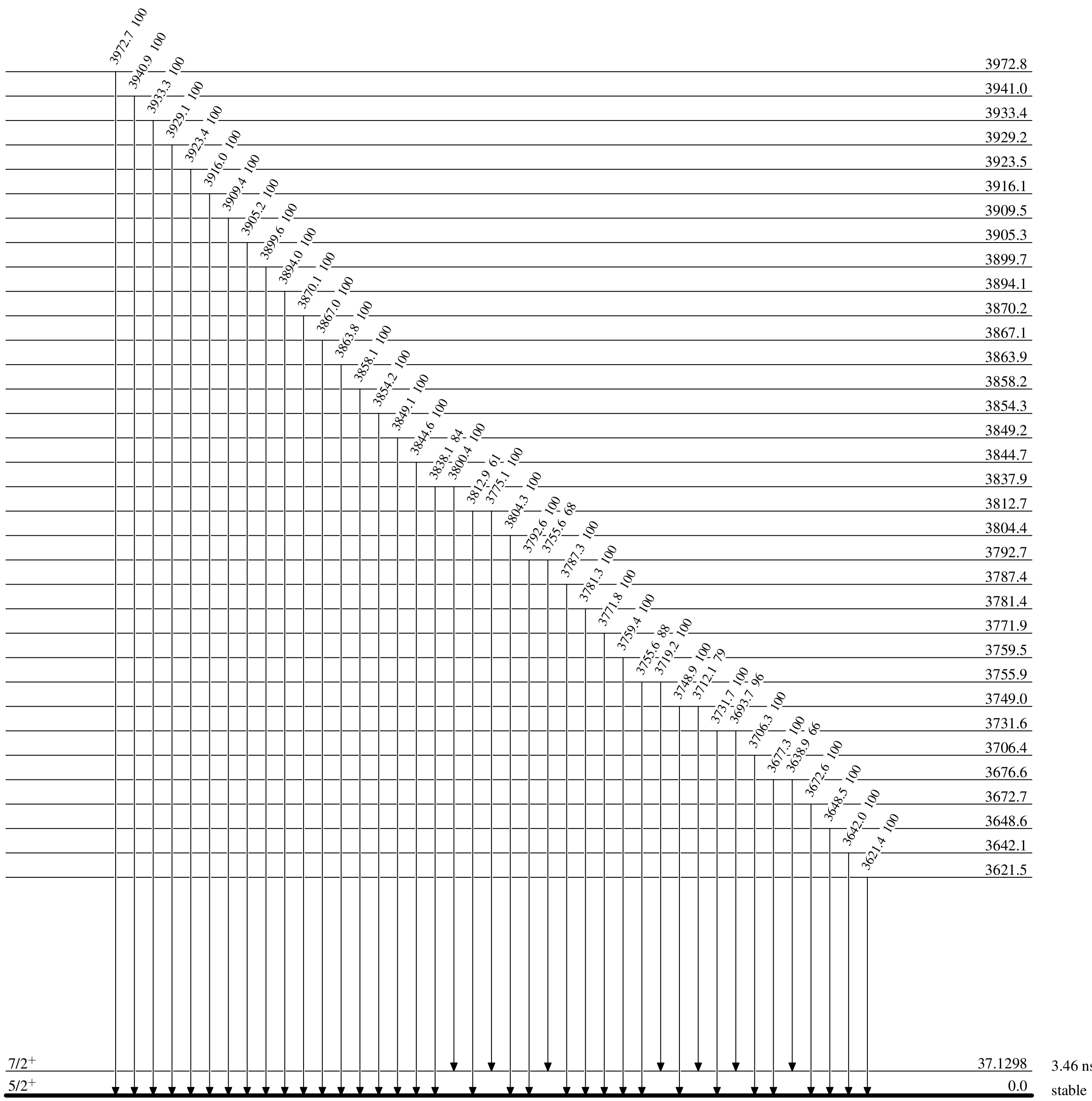
[b] Placement of transition in the level scheme is uncertain.

$^{121}_{51}Sb_{70}$-13

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level



$^{121}_{51}Sb_{70}$

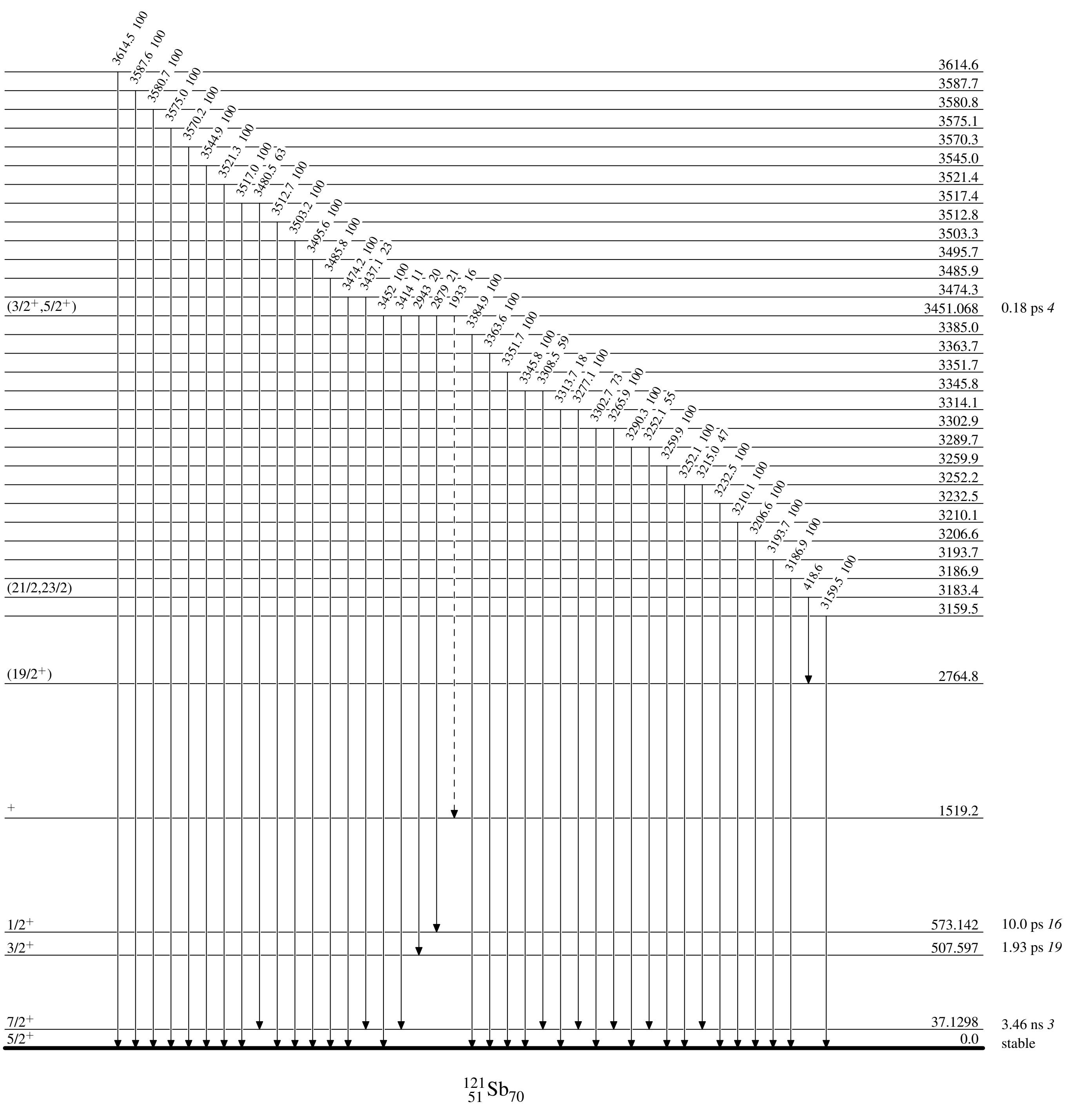
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level

γ Decay (Uncertain)

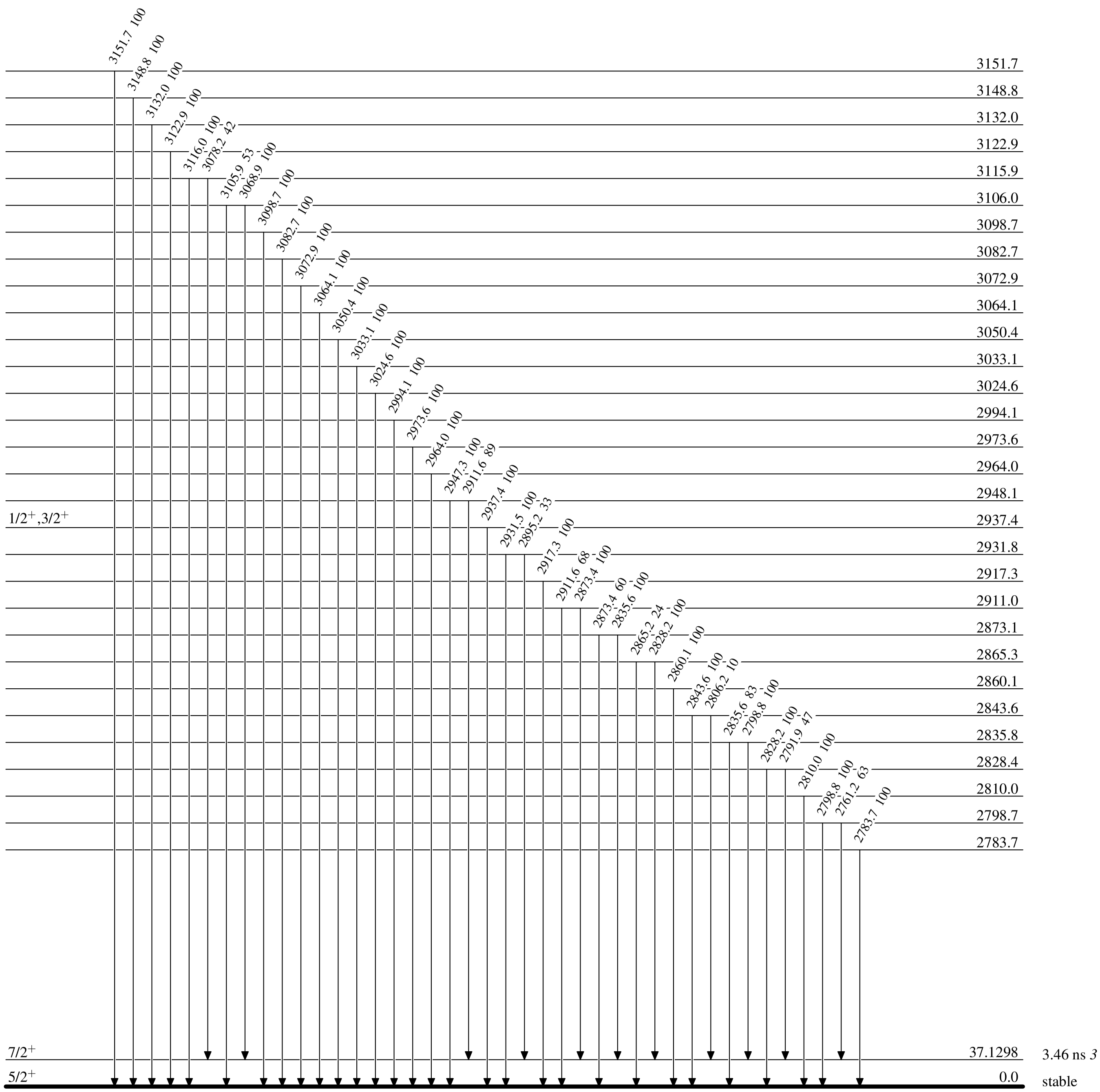


$^{121}_{51}Sb_{70}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{121}_{51}Sb_{70}$

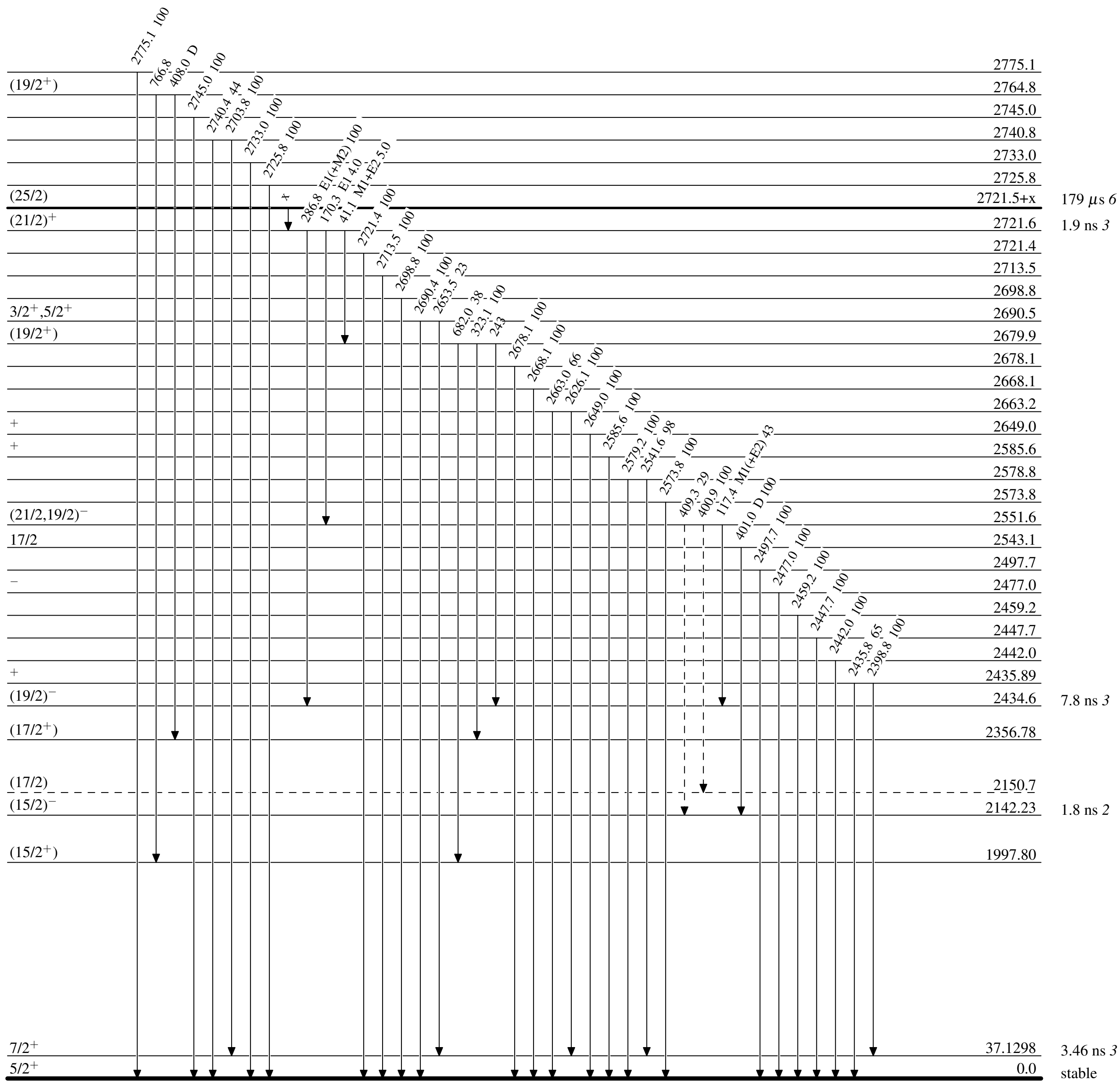
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

Legend

γ Decay (Uncertain)

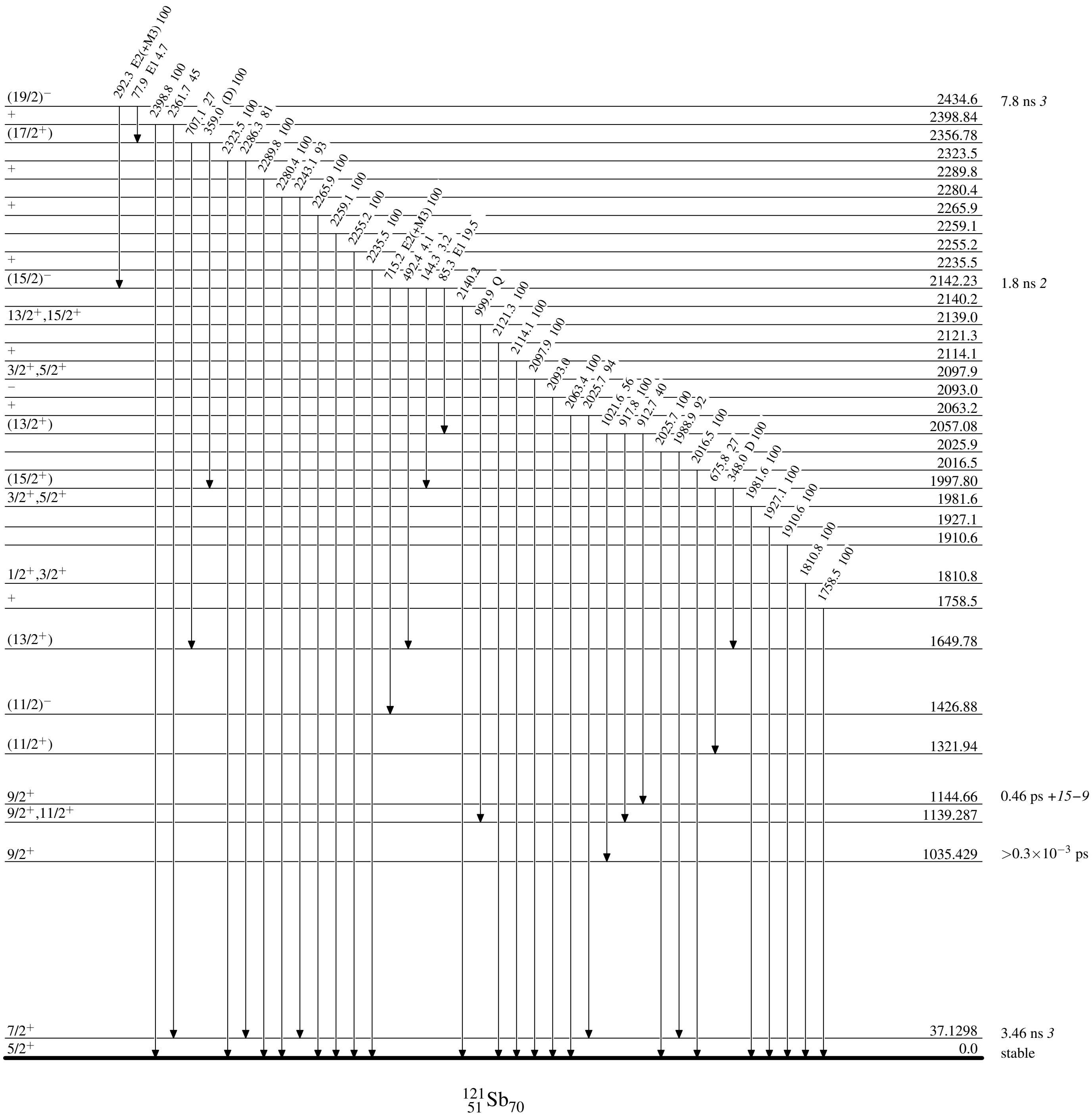


$^{121}_{51}Sb_{70}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level



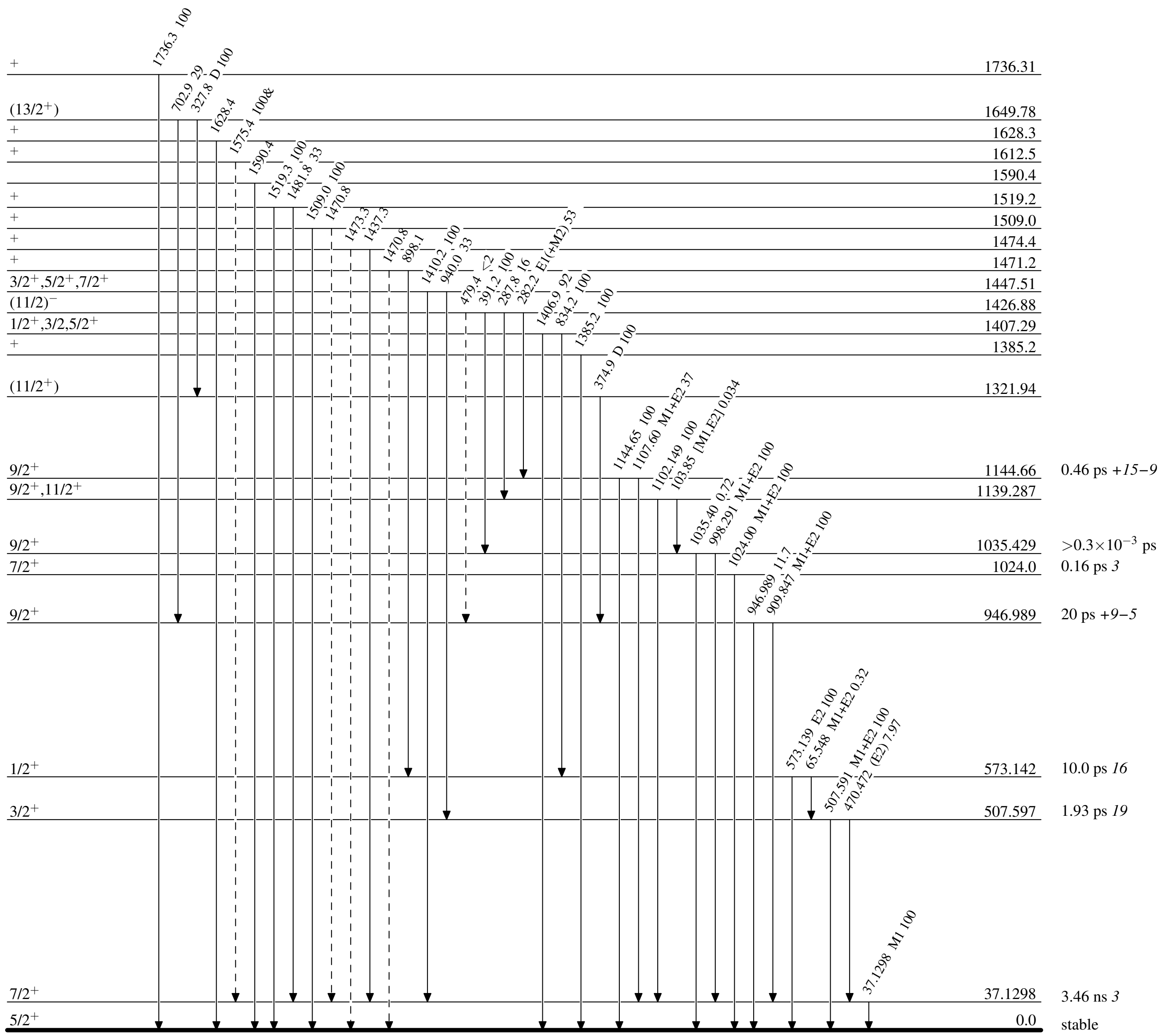
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
& Multiply placed: undivided intensity given

- - - - - -► γ Decay (Uncertain)



$^{121}_{51}Sb_{70}$

Adopted Levels, Gammas