Adopted Levels, Gammas

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jean Blachot	NDS 113,2391 (2012)	1-Sep-2012

Q(β^-)=−4.94×10^3 *4*; S(n)=1.058×10^4 *3*; S(p)=3735 *16*; Q(α)=−1037 *17* 2012Wa38
Note: Current evaluation has used the following Q record −4.94E+3 3 *1*.058×10^4 *33733* 16-1035 16 2011AuZZ.

^{115}Sb Levels

Cross Reference (XREF) Flags

A	^{113}In(α,2nγ)	E	^{115}Te ε decay (5.8 min)
B	^{114}Sn(^{3}He,d)	F	^{115}Te ε decay (6.7 min)
C	^{115}Sb IT decay (159 ns)	G	(HI,xnγ)
D	^{115}Sb IT decay (6.2 ns)	H	^{114}Sn(p,p),(p,n) IAR

E(level)[†]	J$^\pi$[‡]	T$_{1/2}$	XREF	Comments
0.0	5/2$^+$	32.1 min *3*	ABCDEFG	%ε+%β^+=100 μ=+3.46 *1*; Q=−0.36 *6* (1989Ra17) J$^\pi$: atomic beam, L=2 in (^{3}He,d). μ: ^{119}Sb g.s. analogous to ^{115}Sb g.s. (1968Ja05). Other: +3.457 *19* (1992BaZV). T$_{1/2}$: unweighted av: 32.1 min *3* (1976Wi10), 31.8 min *2* (1968Ra27), 32.3 min 3 (1967Ha27). Others: 1958Se59, 1961Fi05, 1962Se03.
723.583 *20*	7/2$^+$		ABCDEFG	J$^\pi$: M1 transition to 5/2$^+$ g.s.; L=4 (^{3}He,d).
770.40 *10*	1/2$^+$	4.4×10^2 fs *+37−15*	AB F	J$^\pi$: L=0 (^{3}He,d). T$_{1/2}$: from 1995Bu15, DSA method.
1071.73 *18*	(3/2)$^+$	93 fs *+21−14*	AB EF	J$^\pi$: L=2 (^{3}He,d); log *ft*≈5.6 via J(initial)=1/2$^+$. T$_{1/2}$: from 1995Bu15, DSA method.
1098.63 *3*	7/2$^+$	0.58 ps *8*	A EFG	J$^\pi$: M1(+E2) γ ray to 5/2$^+$ state, γ ray from 9/2$^+$ state; 1098$\gamma(\theta)$. T$_{1/2}$: from 1995LoZZ, 1998Lo11, DSA method. Other: 320 fs *+301−110* (1995Bu15).
1300.21 *5*	11/2$^-$	6.2 ns *3*	ABCDE G	%IT=100 μ=+5.53 *8* (1989Ra17) T$_{1/2}$: from 1978Su05, 1300γ(t) pulsed beam. Others: 6.7 ns *4* (1977Br08), 7.0 ns *4* (1980Le05). J$^\pi$: L=5 (^{3}He,d); E3 and M2 deexcitations to 5/2$^+$ and 7/2$^+$ states, respectively. Enhanced M2 and E3 deexcitations are attributed to M2 and E3 phonon admixtures in both initial and final states (1978Su05).
1326.85 *4*	9/2$^+$	1.21 ps *+24−14*	A E G	T$_{1/2}$: from 1998Lo11, 1995LoZZ. Other: <5 ps (1977Br08). J$^\pi$: stretched E2 γ ray to 5/2$^+$ state, M1 to 7/2$^+$ state.
1380.58[#] *3*	9/2$^+$	0.97 ps *28*	A E G	T$_{1/2}$: from 1998Lo11, 1995LoZZ. Other: <5 ps (1977Br08). J$^\pi$: stretched E2 γ ray to 5/2$^+$ state, M1+E2 to 7/2$^+$ state. E(level): analogous 9/2$^+$ bandheads in ^{113}Sb,^{117}Sb,^{119}Sb are, respectively, at 1461, 1160, 971 keV; see 1975Ga11, 1979Sh03.
1504.17 *16*	(3/2)$^+$	106 fs *6*	AB F	J$^\pi$: L=2 (^{3}He,d); log *ft*≈5.7 from (1/2)$^+$. T$_{1/2}$: from 1995Bu15, DSA method.
1736.21 *19*	(5/2$^+$)		A E	J$^\pi$: 1013$\gamma(\theta)$, 1013γ excit.
1755.03[#] *5*	(11/2)$^+$		A E G	J$^\pi$: M1+E2 γ rays to 9/2$^+$ states; 374γ, 428γ excit, band member.
1937.17 *14*		0.90 ps *+35−14*	A E	T$_{1/2}$: from 1995LoZZ.
2074.39 *18*			F	
2092.54[#] *11*	(13/2)$^+$		A G	J$^\pi$: (E2) γ ray to 9/2$^+$ state, M1+E2 to (11/2)$^+$ state, band

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Adopted Levels, Gammas (continued)

^{115}Sb Levels (continued)

E(level)[†]	J^π[‡]	$T_{1/2}$	XREF	Comments
				member.
2104.36 *18*	$(3/2)^+$		B F	XREF: B(2091). J^π: L=2 (^{3}He,d); log *ft*≈5.2 from $(1/2)^+$.
2215.11 *19*	$(3/2)^+$		B F	J^π: L=2 (^{3}He,d); log *ft*≈5.0 via J(initial)=$(1/2)^+$.
2315.97 *12*	$(13/2)^-$		A G	J^π: M1+E2 γ ray to $11/2^-$ state; 1016γ excit.
2323.43 *5*	$(9/2)^+$		E	J^π: M1 γ to $(11/2)^+$ and log *ft*=4.9 from $7/2^+$.
2389.02 *8*	$(7/2)^+$		E	J^π: (E2) γ to $(11/2)^+$ and log *ft*=4.8 from $7/2^+$.
2457.58[#] *15*	$(15/2)^+$		A G	J^π: (E2) γ ray to $(11/2)^+$ state, M1+E2 to $(13/2)^+$ state; 365γ excit.
2516.91[@] *9*	$15/2^-$	0.42 ps *+21−14*	A C G	J^π: stretched E2 γ ray to $11/2^-$ state; 1217γ excit. Interpreted as (π d5/2) coupled to 5^- state of ^{114}Sn core; see 1977Br08. $T_{1/2}$: from 1998Lo11 in (α,2nγ).
2638.42 *9*	$15/2^-$	>2.1 ps	A C G	$T_{1/2}$: from 1998Lo11 in (α,2nγ). J^π: stretched E2 γ ray to $11/2^-$ state, M1+E2 to $(13/2)^-$ state; 322γ excit.
2659.93 *18*	$(3/2)^+$		F	J^π: γ ray to $7/2^+$ state; log *ft*≈4.6 via J(initial)=$(1/2)^+$.
2688.27 *16*	$(5/2,7/2)^+$		E	J^π: log *ft*=5.6 from $7/2^+$. γ to $3/2^+$.
2709.7 *4*	$(3/2)^+$		F	J^π: log *ft*=5.0 from $(1/2)^+$. γ to $7/2^+$.
2763.81 *23*	$(1/2,3/2)^+$		F	J^π: log *ft*=4.8 from $1/2^+$.
2796.26 *9*	$(19/2)^-$	159 ns *3*	A C G	%IT=100 μ=+2.54 *4* (1989Ra17) μ: others: 2.73 *4* (1979Fa03), 2.76 *5* (1979Sh03), 2.68 *6* (1979Ko02). $T_{1/2}$: 159 ns *3* (1979Sh03) 279γ(t) pulsed beam. Others: 156 ns *3* (1977Br08), 157 ns *5* (1979Ko02). J^π: stretched E2 γ rays to $15/2^-$ states; 279γ excit. Interpreted as (π d5/2) coupled to 7^- state of ^{114}Sn core; see 1979Fa03, 1977Br08.
2803.4 *3*	$(17/2)^-$		A	J^π: E1 transition to $(15/2)^+$ state; 346γ excit.
2838.40[#] *16*	$(17/2)^+$		A G	J^π: E2 γ ray to $(13/2)^+$ state, M1+E2 to $(15/2)^+$ state; 381γ excit.
2960.66[@] *12*	$19/2^-$		A G	J^π: E2 γ ray to $15/2^-$ state; 444γ excit.
3003.64 *14*	$(21/2)^-$		A G	J^π: M1+E2 γ ray to $19/2^-$ state; 207γ excit.
3098	(19/2)		A	
3255.45[#] *19*	$(19/2)^+$	1.1 ps *+10−5*	A G	J^π: E2 γ ray to $(15/2)^+$ state, M1+E2 to $(17/2)^+$ state; 417γ excit. $T_{1/2}$: from 1998Lo11 in (α,2nγ).
3445.47 *16*	$(23/2)^-$		A G	J^π: M1+E2 γ ray to $21/2^-$ state; 442γ excit.
3542.37[@] *16*	$23/2^-$		A G	J^π: stretched E2 γ ray to $(19/2)^-$ state; 582γ excit.
3544.5 *3*	$(21/2^-)$		G	
3659.60 *17*	$(25/2)^+$	4.1 ns *2*	A G	%IT=100 $T_{1/2}$: 4.1 ns *2* unweighted av: 4.17 ns *14* (1973FrYL), 4.0 ns *2* (1977Br08) (207γ,214γ)(t). J^π: E1 transition to $(23/2)^-$ state; HF(E1); 214γ excit. Analog: ^{117}Sb at 3130 keV, $T_{1/2}$=340 μs, J^π=$25/2^+$, μ=+1.500 *9*, Q=0.75 *9*; see 1989Ra17. Interpreted as (π d5/2) coupled to 10^+ state of ^{114}Sn core; see 1977Br08, 1979Sh03.
3692.63[#] *20*	$(21/2)^+$		A G	J^π: M1+E2 γ ray to $(19/2)^+$ state, (E2) to $(17/2)^+$ state; 437γ excit.
3792.3[a] *4*	$(23/2^-)$		G	
4111.8[a] *5*	$(25/2^-)$		G	
4120.0[#] *3*	$(23/2^+)$		G	
4262.7[@] *4*	$27/2^-$		G	
4283.0 *4*			G	
4344.6 *4*			G	

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Adopted Levels, Gammas (continued)

^{115}Sb Levels (continued)

E(level)†	J^{π}‡	XREF	Comments
4492.3[a] *5*	(27/2⁻)	G	
4510.8[#] *3*	(25/2⁺)	G	
4551.13[&] *25*	23/2⁻	G	
4732.9 *4*		G	
4885.4[#] *4*	(27/2⁺)	G	
4900.6[a] *8*	(29/2⁻)	G	
4985.1 *5*		G	
5034.8[&] *3*	27/2⁻	G	
5109.6[@] *5*	31/2⁻	G	
5150.1 *5*	(31/2⁻)	G	
5245.0[#] *4*	(29/2⁺)	G	
5330.7 *4*		G	
5333.1[a] *9*	(31/2⁻)	G	
5632.6[&] *4*	31/2⁻	G	
5635.7[#] *4*	(31/2⁺)	G	
5704.1 *5*		G	
5784.5 *5*		G	
5793.0[a] *9*	(33/2⁻)	G	
6029.5[#] *4*	(33/2⁺)	G	
6069.2[@] *6*	(35/2⁻)	G	
6349.0[&] *5*	35/2⁻	G	
6431.7[#] *5*	(35/2⁺)	G	
6885.7[#] *5*	(37/2⁺)	G	
7120.8[@] *7*	(39/2⁻)	G	
7172.3[&] *6*	(39/2⁻)	G	
8104.5[&] *7*	(43/2⁻)	G	
8256.8[@] *12*	(43/2⁻)	G	
9151.1[&] *8*	(47/2⁻)	G	
10083 *15*	1/2	H	IAS, Γ=38 keV, Γ(p)=8 keV, L=0. Analog of ^{115}Sn 1/2⁺ g.s.
10305.9[&] *9*	(51/2⁻)	G	
10589 *15*	3/2⁺	H	IAS, Γ=36 keV, Γ(p)=5 keV, L=2. Analog of ^{115}Sn 3/2⁺, 497-keV state.
10698 *15*	7/2⁺	H	IAS, Γ=50 keV, Γ(p)=3 keV, L=(4). Analog of ^{115}Sn 7/2⁺, 613-keV state.
11065 *15*	5/2⁺	H	IAS, Γ=50 keV, Γ(p)=1 keV, L=2. Analog of ^{115}Sn 5/2⁺, 987-keV state.

† From least-squares fit to γ energies.

‡ J^{π} without comments are based on rotational-band structure, on γ mult and γ-decay patterns.

\# Band(A): 9/2(404) band. Prolate deformation (β_2=0.20)deduced from intraband-branching ratios and δ of ΔJ=1 transitions. Analogous K=9/2 rotational bands are populated in ^{113}Sb,^{117}Sb up to J=19/2⁺. See 1976He16 for calculation on coexistence of spherical and deformed states near Z=50.

@ Band(B): Intruder-rotational band ΔJ=2.

& Band(C): Intruder-rotational band ΔJ=2.

a Band(D): Strongly-coupled band ΔJ=1.

$\gamma(^{115}Sb)$

E_i(level)	J^π_i	E_γ†	I_γ†	E_f	J^π_f	Mult.‡	δ‡	α#	Comments
723.583	7/2+	723.569 *22*	100	0.0	5/2+	M1(+E2)			
770.40	1/2+	770.40 *10*	100	0.0	5/2+				
1071.73	(3/2)+	1071.70 *21*	100	0.0	5/2+				
1098.63	7/2+	1098.64 *4*	100	0.0	5/2+	M1(+E2)			Mult.: $-3\leq\delta\leq-0.13$.
1300.21	11/2−	576.51 *7*	8.6 *21*	723.583	7/2+	M2		0.019	B(M2)(W.u.)=0.263 *15*
		1300.25 *6*	100 *5*	0.0	5/2+	E3			B(E3)(W.u.)=36.4 *18*
1326.85	9/2+	228.22 *10*	3.7 *4*	1098.63	7/2+				
		603.26 *6*	23 *4*	723.583	7/2+	M1			B(M1)(W.u.)>0.0036
		1326.83 *5*	100 *12*	0.0	5/2+	E2			B(E2)(W.u.)>0.65
1380.58	9/2+	281.96 *3*	4.4 *4*	1098.63	7/2+				
		656.98 *4*	31.0 *10*	723.583	7/2+	M1+E2	−0.07 *4*		B(M1)(W.u.)>0.0035
		1380.58 *6*	100 *3*	0.0	5/2+	E2			B(E2)(W.u.)>0.50
1504.17	(3/2)+	405.9 *5*	24 *9*	1098.63	7/2+				
		780.5 *4*	21 *6*	723.583	7/2+				
		1504.1 *2*	100 *9*	0.0	5/2+				
1736.21	(5/2+)	1012.62 *18*	100	723.583	7/2+	(M1+E2)			Mult.: $+0.33\leq\delta\leq+3$.
1755.03	(11/2)+	374.47 *5*	100 *3*	1380.58	9/2+	M1+E2	+0.24 *2*	0.01776	α(K)=0.01537 *22*; α(L)=0.00193 *3*; α(M)=0.000381 *6*; α(N+..)=8.07×10^{-5} *12* α(N)=7.35×10^{-5} *11*; α(O)=7.26×10^{-6} *11*
		428.12 *9*	36.9 *13*	1326.85	9/2+	M1+E2	+0.28 *7*	0.1264	α(K)=0.01094 *16*; α(L)=0.001366 *20*; α(M)=0.000270 *4*; α(N+..)=5.72×10^{-5} *9* α(N)=5.21×10^{-5} *8*; α(O)=5.15×10^{-6} *8*
1937.17		1213.58 *13*	100	723.583	7/2+				
2074.39		570.0 *14*	27 *19*	1504.17	(3/2)+				
		1350.8 *2*	100 *12*	723.583	7/2+				
2092.54	(13/2)+	337.52 *10*	100 *4*	1755.03	(11/2)+	M1+E2	+0.156 *11*	0.0231	α(K)=0.0200 *3*; α(L)=0.00251 *4*; α(M)=0.000496 *7*; α(N+..)=0.0001051 *15* α(N)=9.57×10^{-5} *14*; α(O)=9.46×10^{-6} *14*
		711.8 *6*	13.8 *7*	1380.58	9/2+	(E2)			
2104.36	(3/2)+	2104.4 *2*	100	0.0	5/2+				
2215.11	(3/2)+	1115.3 *6*	37 *16*	1098.63	7/2+				
		1143.4 *5*	26 *16*	1071.73	(3/2)+				
		1491.7 *3*	58 *11*	723.583	7/2+				
		2215.3 *4*	100 *16*	0.0	5/2+				
2315.97	(13/2)−	1015.64 *15*	100	1300.21	11/2−	M1+E2	−0.28 *11*		
2323.43	(9/2)+	568.39 *6*	100 *11*	1755.03	(11/2)+	M1			
		942.87 *12*	66 *5*	1380.58	9/2+				
		996.61 *15*	40 *5*	1326.85	9/2+				
		1022.8 *3*	26 *3*	1300.21	11/2−				
		1224.5 *2*	28 *3*	1098.63	7/2+				
		1599.90 *8*	94 *8*	723.583	7/2+				

$^{115}_{51}Sb_{64}$-4

$\gamma(^{115}Sb)$ (continued)

E_i(level)	J^{π}_i	E_{γ}†	I_{γ}†	E_f	J^{π}_f	Mult.‡	δ‡	α#	Comments
2389.02	$(7/2)^+$	634.06 15	15.8 16	1755.03	$(11/2)^+$	(E2)			
		1061.6 4	10.3 16	1326.85	$9/2^+$				
		1088.4 3	13.6 22	1300.21	$11/2^-$				
		1290.50 12	100 6	1098.63	$7/2^+$				
		1315.5 8	2.2 11	1071.73	$(3/2)^+$				
		1665.4 2	15.8 16	723.583	$7/2^+$				
		2389.1 4	4.0 8	0.0	$5/2^+$				
2457.58	$(15/2)^+$	364.95 15	100 5	2092.54	$(13/2)^+$	M1+E2	+0.181 6	0.01904	
		702.6 4	25 3	1755.03	$(11/2)^+$	E2			
2516.91	$15/2^-$	1216.70 8	100	1300.21	$11/2^-$	E2			
2638.42	$15/2^-$	322.34 14	23.7 20	2315.97	$(13/2)^-$	M1+E2	−0.14 9	0.0262	
		1338.24 9	100 5	1300.21	$11/2^-$	E2			
2659.93	$(3/2)^+$	555.7 3	46 10	2104.36	$(3/2)^+$				
		1155.7 4	75 25	1504.17	$(3/2)^+$				
		1561.7 4	100 25	1098.63	$7/2^+$				
		1936.0 3	92 17	723.583	$7/2^+$				
		2659.9 8	15 4	0.0	$5/2^+$				
2688.27	$(5/2,7/2)^+$	1589.5 3	26 4	1098.63	$7/2^+$				
		1617.1 5	14 4	1071.73	$(3/2)^+$				
		2688.20 20	100 12	0.0	$5/2^+$				
2709.7	$(3/2)^+$	1205.5 4	100 27	1504.17	$(3/2)^+$				
		1986.2 5	38 14	723.583	$7/2^+$				
2763.81	$(1/2,3/2)^+$	548.70 20	92 15	2215.11	$(3/2)^+$				
		689.4 3	100 23	2074.39					
2796.26	$(19/2)^-$	157.84 6	33.0 23	2638.42	$15/2^-$	E2		0.33	α(K)=0.259 4; α(L)=0.0561 8; α(M)=0.01143 16; α(N+..)=0.00229 4 α(N)=0.00211 3; α(O)=0.0001713 25 B(E2)(W.u.)=0.243 19
		279.36 9	100 9	2516.91	$15/2^-$	E2		0.0468	B(E2)(W.u.)=0.0424 13
2803.4	$(17/2)^-$	345.80 20	100	2457.58	$(15/2)^+$	E1			
2838.40	$(17/2)^+$	380.79 9	100 2	2457.58	$(15/2)^+$	M1+E2	+0.166 13	0.01701	α(K)=0.01473 21; α(L)=0.00184 3; α(M)=0.000363 5; α(N+..)=7.69×10^{-5} 11 α(N)=7.00×10^{-5} 10; α(O)=6.93×10^{-6} 10
		745.98 18	33 6	2092.54	$(13/2)^+$	E2			
2960.66	$19/2^-$	443.75 8	100	2516.91	$15/2^-$	E2		0.011	
3003.64	$(21/2)^-$	207.38 10	100	2796.26	$(19/2)^-$	M1+E2	−0.21 6	0.085	
3255.45	$(19/2)^+$	417.13 19	100 6	2838.40	$(17/2)^+$	M1+E2	+0.116 6	0.01360	
		797.89 19	47 9	2457.58	$(15/2)^+$	E2			
3445.47	$(23/2)^-$	441.86 8	100	3003.64	$(21/2)^-$	M1+E2	−0.28 6		
3542.37	$23/2^-$	581.76 11	100	2960.66	$19/2^-$	E2			
3544.5	$(21/2^-)$	540.4 3	100	3003.64	$(21/2)^-$	(M1,E2)			
3659.60	$(25/2)^+$	214.16 7	100	3445.47	$(23/2)^-$	E1		0.022	α(K)=0.0194 3; α(L)=0.00239 4; α(M)=0.000470 7;

From ENSDF

Adopted Levels, Gammas (continued)

γ(^{115}Sb) (continued)

E_i(level)	J_i^π	E_γ†	I_γ†	E_f	J_f^π	Mult.‡	δ‡	Comments
								α(N+..)=9.85×10^{-5} *14* α(N)=8.99×10^{-5} *13*; α(O)=8.63×10^{-6} *13* B(E1)(W.u.)=7.0×10^{-6} *4*
3692.63	(21/2)$^+$	437.20 *8*	100 *4*	3255.45	(19/2)$^+$	M1+E2	+0.12 *3*	
		854.08 *23*	36 *2*	2838.40	(17/2)$^+$	E2		
3792.3	(23/2$^-$)	247.3 *3*	100	3544.5	(21/2$^-$)	(M1,E2)		
4111.8	(25/2$^-$)	319.4 *3*	100	3792.3	(23/2$^-$)	(M1,E2)		
4120.0	(23/2$^+$)	427.4 *3*		3692.63	(21/2)$^+$	M1,E2		
		864.6 *3*	100	3255.45	(19/2)$^+$	(E2)		
4262.7	27/2$^-$	720.3 *3*	100	3542.37	23/2$^-$	E2		
4283.0		623.4 *3*	100	3659.60	(25/2)$^+$			
4344.6		685.5 *3*	100	3659.60	(25/2)$^+$	(M1,E2)		
4492.3	(27/2$^-$)	380.6 *3*		4111.8	(25/2$^-$)	(M1,E2)		
		699.5 *3*		3792.3	(23/2$^-$)	(E2)		
4510.8	(25/2$^+$)	390.6 *3*	100 *5*	4120.0	(23/2$^+$)	M1,E2		
		818.1 *3*	21.6 *12*	3692.63	(21/2)$^+$	(E2)		
4551.13	23/2$^-$	1590.1 *3*	<50	2960.66	19/2$^-$	(E2)		
		1754.8 *5*	100	2796.26	(19/2)$^-$	(E2)		
4732.9		1073.3 *3*	100	3659.60	(25/2)$^+$			
4885.4	(27/2$^+$)	374.3 *3*		4510.8	(25/2$^+$)	M1,E2		
		765.5 *3*	100	4120.0	(23/2$^+$)	(E2)		
4900.6	(29/2$^-$)	407.8 *3*	100	4492.3	(27/2$^-$)	(M1,E2)		
		788.6 *3*	<67	4111.8	(25/2$^-$)	(E2)		
4985.1		702.1 *3*	100	4283.0				
5034.8	27/2$^-$	483.3 *3*	63 *3*	4551.13	23/2$^-$	E2		
		1492.8 *3*	100 *5*	3542.37	23/2$^-$	E2		
5109.6	31/2$^-$	846.9 *3*	100	4262.7	27/2$^-$	E2		
5150.1	(31/2$^-$)	887.4 *3*	100	4262.7	27/2$^-$	(E2)		
5245.0	(29/2$^+$)	359.5 *3*	100 *5*	4885.4	(27/2$^+$)	M1,E2		
		734.4 *3*	16.1 *8*	4510.8	(25/2$^+$)	(E2)		
5330.7		986.6 *3*	100	4344.6				
5333.1	(31/2$^-$)	434.7 *3*	100	4900.6	(29/2$^-$)	(M1,E2)		
		843.5 *3*	100	4492.3	(27/2$^-$)	(E2)		
5632.6	31/2$^-$	597.8 *3*	100	5034.8	27/2$^-$	E2		
5635.7	(31/2$^+$)	390.6 *3*	100	5245.0	(29/2$^+$)	(M1,E2)		
		750.2 *3*	14	4885.4	(27/2$^+$)	(E2)		
5704.1		971.2 *3*	100	4732.9				
5784.5		1051.6 *3*	100	4732.9				
5793.0	(33/2$^-$)	461.3 *3*	100	5333.1	(31/2$^-$)	(M1,E2)		
		890.4 *3*	100	4900.6	(29/2$^-$)	(E2)		
6029.5	(33/2$^+$)	393.6 *3*	100 *5*	5635.7	(31/2$^+$)	(M1,E2)		

$^{115}_{51}$Sb$_{64}$-6

Adopted Levels, Gammas (continued)

$\gamma(^{115}\mathrm{Sb})$ (continued)

E_i(level)	J^π_i	E_γ †	I_γ †	E_f	J^π_f	Mult. ‡
6029.5	(33/2$^+$)	784.8 *3*	33.3 *17*	5245.0	(29/2$^+$)	(E2)
6069.2	(35/2$^-$)	959.6 *3*	100	5109.6	31/2$^-$	E2
6349.0	35/2$^-$	716.4 *3*	100	5632.6	31/2$^-$	E2
6431.7	(35/2$^+$)	402.2 *3*	100	6029.5	(33/2$^+$)	
6885.7	(37/2$^+$)	454.1 *3*	100	6431.7	(35/2$^+$)	
		856.1 *3*	<40	6029.5	(33/2$^+$)	
7120.8	(39/2$^-$)	1051.6 *3*	100	6069.2	(35/2$^-$)	(E2)
7172.3	(39/2$^-$)	823.3 *3*	100	6349.0	35/2$^-$	(E2)
8104.5	(43/2$^-$)	932.2 *3*	100	7172.3	(39/2$^-$)	(E2)
8256.8	(43/2$^-$)	1136 *1*	100	7120.8	(39/2$^-$)	
9151.1	(47/2$^-$)	1046.6 *3*	100	8104.5	(43/2$^-$)	
10305.9	(51/2$^-$)	1154.8 *5*	100	9151.1	(47/2$^-$)	

† Average from all γ data.

‡ From $^{113}\mathrm{In}(\alpha,2n\gamma)$ and/or (HI,xnγ).

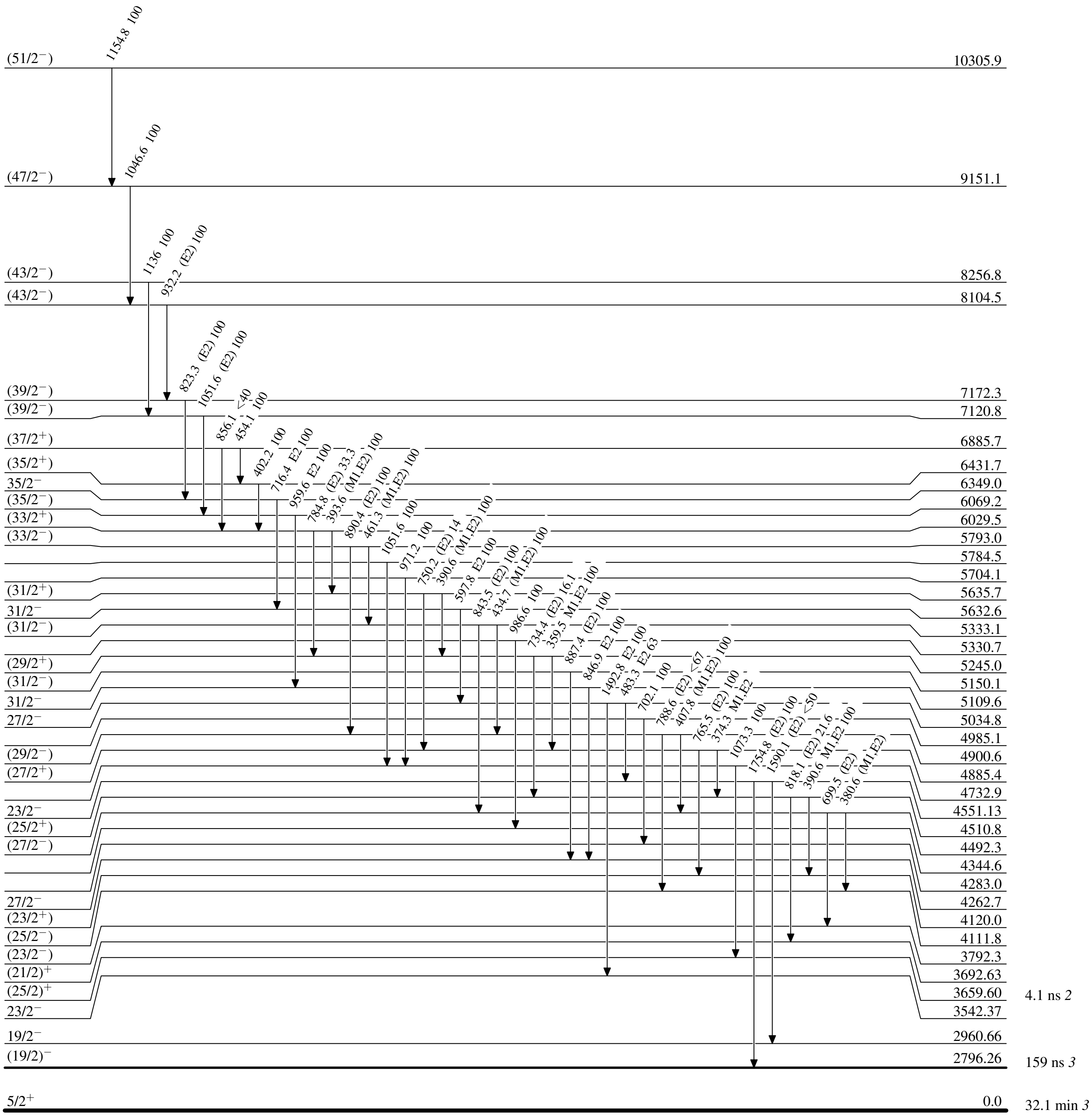
Total theoretical internal conversion coefficients, calculated using the BrIcc code (2008Ki07) with Frozen orbital approximation based on γ-ray energies, assigned multipolarities, and mixing ratios, unless otherwise specified.

$^{115}_{51}\mathrm{Sb}_{64}$-7

Adopted Levels, Gammas

Level Scheme

Intensities: Relative photon branching from each level

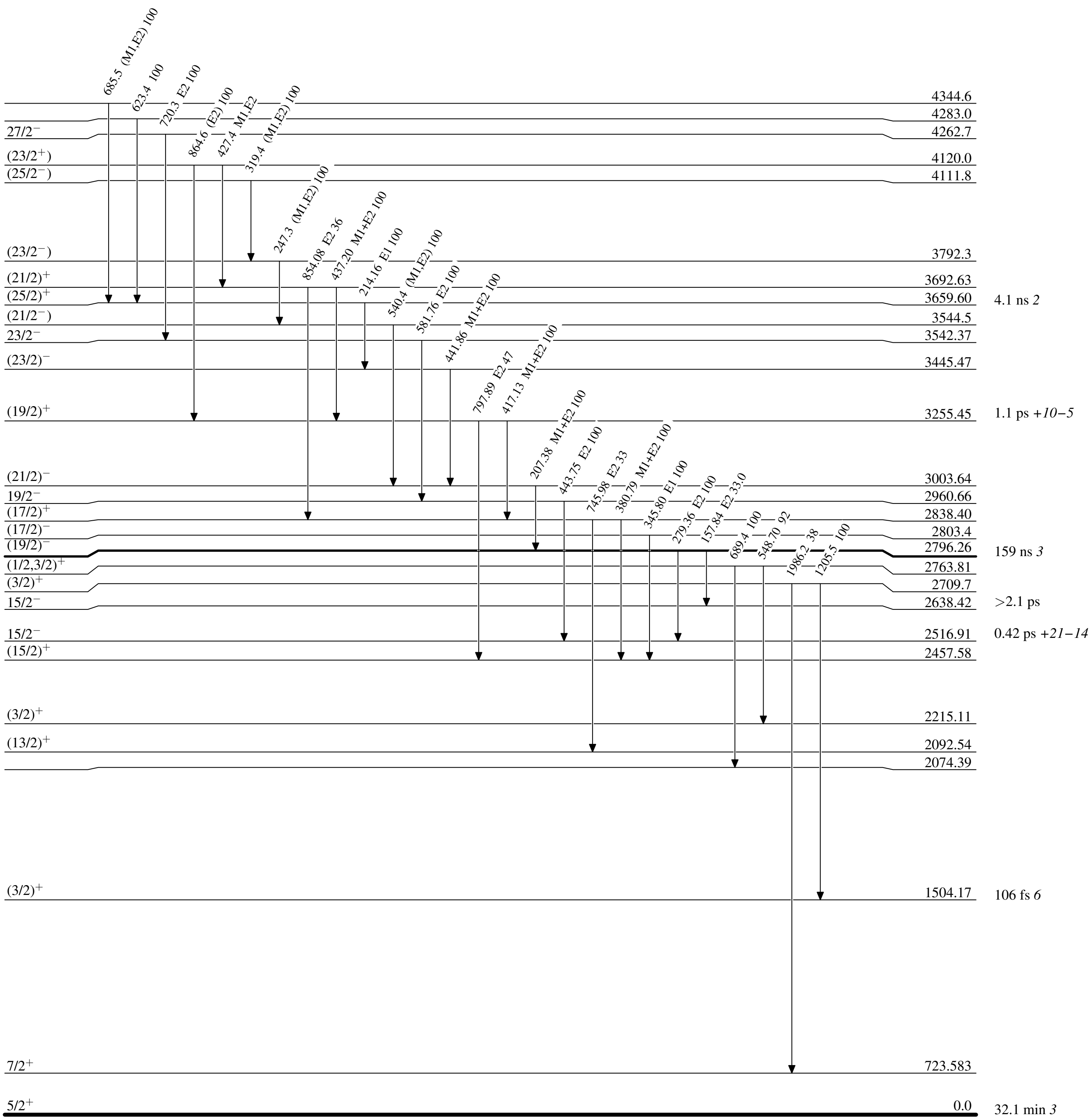


$^{115}_{51}Sb_{64}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

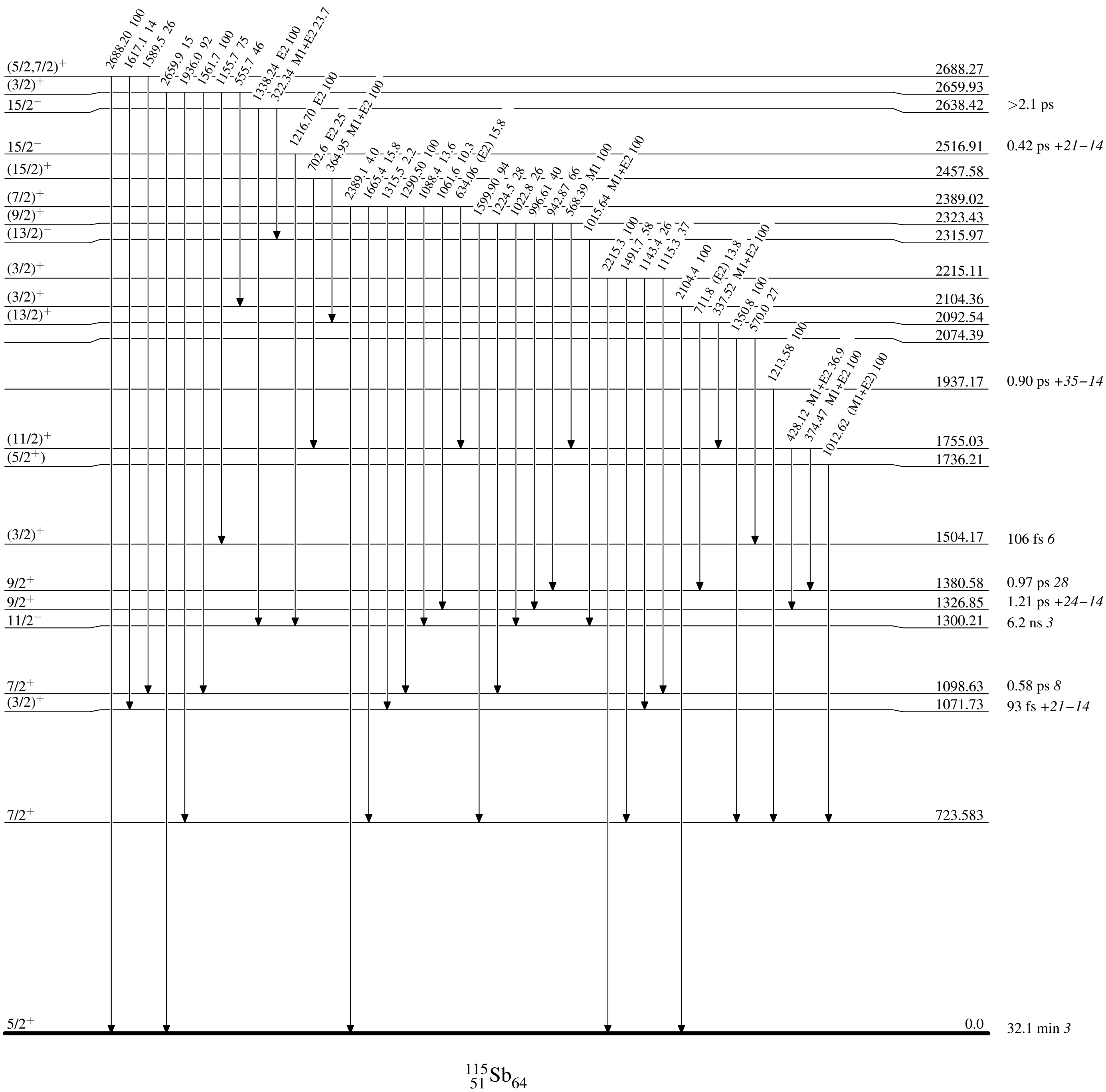


$^{115}_{51}Sb_{64}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level

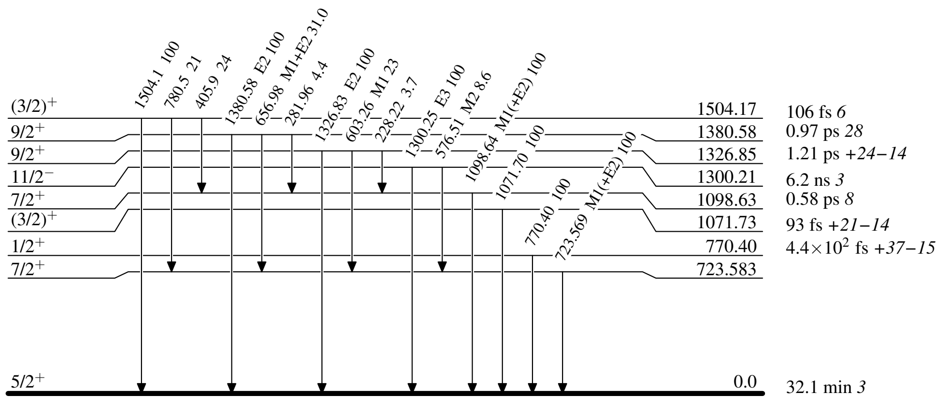


$^{115}_{51}Sb_{64}$

Adopted Levels, Gammas

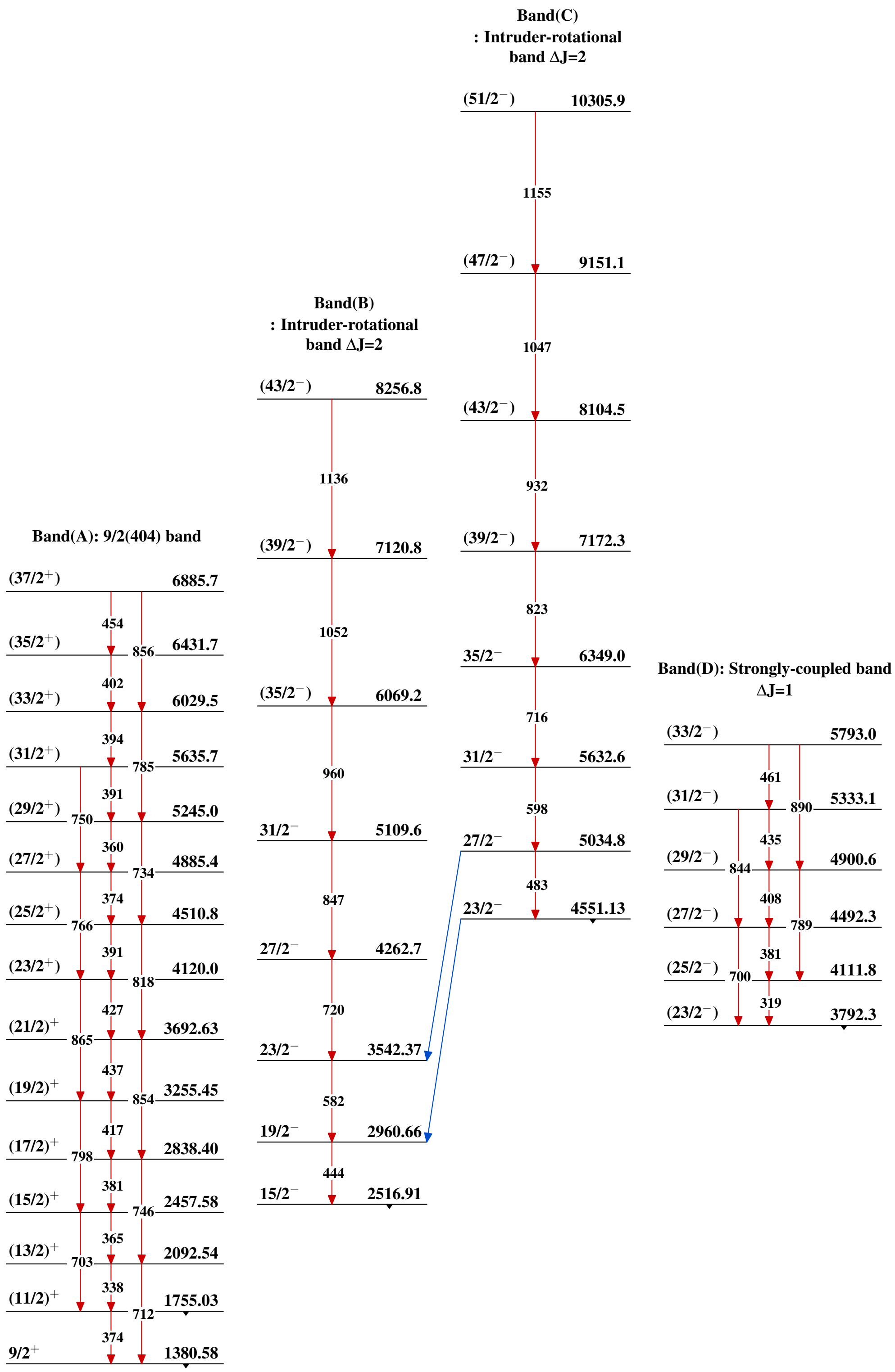
Level Scheme (continued)

Intensities: Relative photon branching from each level



$^{115}_{51}Sb_{64}$

Adopted Levels, Gammas



$^{115}_{51}Sb_{64}$