Adopted Levels, Gammas

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	S. K. Basu, G. Mukherjee, A. A. Sonzogni	NDS 111,2555 (2010)	30-Jun-2009

Q(β^-)=6089 *8*; S(n)=4348 *7*; S(p)=13848 *7*; Q(α)=−6573 *7* 2012Wa38
Note: Current evaluation has used the following Q record 6090 7 *4350* 9 *13856* 10 −6571 6 2009AuZZ.
S(2n)=11177 *10*, S(2p)=25562 *6* (2009AuZZ).
α: Additional information 1.

^{95}Sr Levels

Cross Reference (XREF) Flags

A	^{95}Rb β^- decay	D	^{254}Cf SF decay
B	^{96}Rb β^-n decay	E	^{235}U(n,Fγ), ^{239}Pu(n,Fγ)
C	^{252}Cf SF decay		

E(level)†	Jπ‡	$T_{1/2}$	XREF	Comments
0.0	1/2$^+$	23.90 s *14*	ABCDE	%β^-=100 μ=−0.537 *2* (1990Bu12) Jπ: J=1/2 from CFBLS (1987Bu11); π=+ from J and μ. $T_{1/2}$: Weighted av of 23.7 s *3* (686γ) (1986Ok03. Ge(Li)) and 24.17 s *20* (686γ), 24.06 s *22* (827γ), 23.46 s *27* (2247γ), and 23.59 s *46* (2717γ) (1974He03. Ge(Li)). Others: 24.0 s *10* (827γ), 23.9 s *14* (1278γ), and 23.8 s *13* (2247γ) (1986Ok03); 24.69 s *43* (945γ), 27.2 s *11* (1278γ), and 20.47 s *73* (2933γ) (1974He03); and 25.9 s *16* (1973Ta09. Ge(Li)). 25.1 s *2* (1979En02. β^-'s; Si) and 24.8 s *2*, 25.5 s *1*, and 30.0 s *3* (1974Gr29. 4$\pi\beta$; scin,milking) are discrepant.
352.02 *6*	(3/2)$^+$		ABCDE	Jπ: M1 γ to 1/2$^+$ and E2 γ from (7/2)$^+$; log *ft*≥7.6 from 5/2$^-$.
556.08@ *8*	(7/2)$^+$	21.9 ns *5*	ABCDE	Jπ: log *ft*=6.0 from 5/2$^-$; E2 γ to (3/2)$^+$ and no observed γ to 1/2$^+$. $T_{1/2}$: Weighted av of 20.9 ns *5* (β-352γ(t) in β^- decay, 24.0 ns *12* (fragment-204γ(t) in ^{252}Cf SF decay), 23.1 ns *12* and 22.0 ns *11* (fragment-352γ(t) in ^{252}Cf SF decay), 21.8 ns *11* and 22.6 ns *12* (fragment-352γ(t)) in (n,Fγ), 26 ns 2 (fragment-204γ(t) in ^{254}Cf SF decay) and 22 ns 3 (325γ(t) + 204γ(t) in ^{252}Cf SF decay).
680.70 *6*	3/2$^+$,5/2$^+$		AB	Jπ: log *ft*=6.0 from 5/2$^-$; M1 γ to 1/2$^+$,(3/2)$^+$.
1003.70 *10*	1/2$^+$,3/2,5/2		AB	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2$^-$ and γ to 1/2$^+$.
1012.25 *8*	1/2$^+$,3/2$^+$,5/2$^+$		AB	Jπ: M1,E2 γ to 1/2$^+$,3/2$^+$; γ to 1/2$^+$.
1121.01 *10*	3/2$^+$ to 7/2$^+$		AB	Jπ: log *ft*=6.3 (log $f^{1u}t$=8.5) from 5/2$^-$ and γ to (3/2$^+$), 5/2$^+$ and (7/2$^+$).
1238.80& *13*	(9/2$^+$)#		ABC	Jπ: log *ft*≥7.6 (log $f^{1u}t$≥9.8) from 5/2$^-$ would result in possible J^π=1/2$^+$ to 9/2$^+$.
1247.24 *25*	1/2,3/2,5/2		A	Jπ: γ to 1/2$^+$.
1259.66 *8*	1/2$^+$,3/2,5/2		AB	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2$^-$ and γ to 1/2$^+$.
1439.30 *10*	1/2$^+$,3/2,5/2		AB	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2$^-$ and γ to 1/2$^+$.
1665.74@ *20*	(11/2$^+$)#		C	
1680.24 *20*	(9/2$^+$,11/2$^+$)		C	Jπ: γ decays to (7/2)$^+$, (9/2$^+$).
1743.53 *11*	1/2$^+$ to 5/2$^+$		AB	
1750.86 *14*	1/2$^+$ to 7/2		A	Jπ: log *ft*=6.3 *1* to 7.0 *2* (log $f^{1u}t$≥8.5) from 5/2$^-$ and γ to 1/2$^+$,3/2.
1843.70 *11*			AB	
1860.45 *16*			A	
1864.18 *16*	1/2$^+$ to 7/2		A	Jπ: log *ft*=6.3 *1* to 7.0 *2* (log $f^{1u}t$≥8.5) from 5/2$^-$ and γ to 1/2$^+$,3/2.
1948.5 *3*			A	
1974.95 *18*	1/2$^+$ to 7/2		A	Jπ: log *ft*=6.3 *1* to 7.0 *2* (log $f^{1u}t$≥8.5) from 5/2$^-$ and γ to 1/2$^+$,3/2.
2013.33 *21*	1/2$^+$,3/2,5/2		A	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2$^-$ and γ to 1/2$^+$.

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Adopted Levels, Gammas (continued)

^{95}Sr Levels (continued)

E(level)[†]	Jπ[‡]	XREF	Comments
2076.5 *3*		A	
2098.91 *16*	1/2+,3/2,5/2	A	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2− and γ to 1/2+.
2236.0 *3*		A	
2246.90 *18*	1/2+,3/2,5/2	A	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2− and γ to 1/2+.
2264.62 *19*		A	
2344.35[&] *25*	(13/2+)[#]	C	
2368.2? *4*		A	
2394.39 *19*		A	
2424.4 *3*	(13/2+,15/2+)[#]	C	Jπ: γ from (17/2+) and γ to (9/2+,11/2+).
2430.06 *19*		A	
2827.92 *23*		A	
2869.1[@] *3*	(15/2+)[#]	C	
2967.7 *3*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
2974.38 *18*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
3050.8 *10*		C	
3206.53 *18*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
3366.63 *12*	3/2−,5/2−,7/2−	A	Jπ: log *ft*=5.0 to 5.7 from 5/2−.
3421.0[&] *3*	(17/2+)[#]	C	
3449.53 *16*	3/2−,5/2−,7/2−	A	Jπ: log *ft*=5.0 to 5.7 from 5/2−.
3463.66 *17*	3/2,5/2	A	Jπ: log *ft*=5.8 to 6.5 from 5/2− and γ to 1/2.
3479.08 *12*	3/2−,5/2−,7/2−	A	Jπ: log *ft*=5.0 to 5.7 from 5/2−.
3532.36 *20*	3/2 to 7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
3584.17 *13*	3/2−,5/2−,7/2−	A	Jπ: log *ft*=5.0 to 5.7 from 5/2−.
3587.6 *3*	3/2,5/2	A	Jπ: log *ft*=5.8 to 6.5 from 5/2− and γ to 1/2+.
3591.35 *19*	3/2 to 7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
3597.86 *19*	3/2−,5/2−,7/2−	A	Jπ: log *ft*=5.0 to 5.7 from 5/2−.
3605.67 *23*	3/2−,5/2−	A	Jπ: log *ft*=5.5 from 5/2− and γ to 1/2+.
3612.32 *14*	3/2−,5/2−,7/2−	A	Jπ: log *ft*=5.0 to 5.7 from 5/2−.
3624.7 *4*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
3635.62 *13*	3/2−,5/2−,7/2−	A	Jπ: log *ft*=5.0 to 5.7 from 5/2−.
3695.8[@] *4*	(19/2+)[#]	C	
3708.64 *24*	3/2,5/2	A	Jπ: log *ft*=5.8 to 6.5 from 5/2− and γ to 1/2+.
3712.1 *4*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
3801.79 *20*	3/2 to 7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
3940.3 *4*	1/2+,3/2,5/2	A	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2− and γ to 1/2+.
3986.3 *4*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
4095.2[&] *4*	(21/2+)[#]	C	
4163.6 *5*	1/2+,3/2,5/2	A	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2− and γ to 1/2+.
4230.5 *3*	3/2,5/2	A	Jπ: log *ft*=5.8 to 6.5 from 5/2− and γ to 1/2+.
4247.9 *4*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
4278.5 *6*	1/2+ to 7/2	A	Jπ: log *ft*=6.3 *1* to 7.0 *2* (log $f^{1u}t$≥8.5) from 5/2− and γ to 1/2+,3/2+.
4292.4 *7*	1/2+,3/2,5/2	A	Jπ: log *ft*=6.3 to 6.9 (log $f^{1u}t$≥8.4) from 5/2− and γ to 1/2+.
4312.4 *4*	3/2,5/2,7/2	A	Jπ: log *ft*=5.8 to 6.4 from 5/2−.
≈4.37×10^3	3/2−	A	%n=100 Jπ: 3/2−,5/2−,7/2− from log *ft*≈5.7 in β− decay. 1/2−,3/2− from L(n)=1 to ^{94}Sr 0+.
4525.3[@] *5*	(23/2+)[#]	C	
4570.7 *7*	1/2+ to 7/2	A	Jπ: log *ft*=6.3 *1* to 7.0 *2* (log $f^{1u}t$≥8.5) from 5/2− and γ to 1/2+,3/2+.
4661.3? *8*		A	
4879.8[&] *5*	(25/2+)[#]	C	
5421.6[@] *6*	(27/2+)[#]	C	
6176.0[@] *7*	(31/2+)[#]	C	

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Adopted Levels, Gammas (continued)

^{95}Sr Levels (continued)

† From least squares fit to Eγ's.
‡ Assignments are tentative, based on known multipolarity of 352.0 keV (M1) and 204.0 keV(E2); for other suggested spins and parities, see 1983Kr11 and 2004Hw04.
# Tentative assignment, adopted from 2004Hw04.
@ Band(A): Band based on $7/2^+$.
& Band(B): Band based on $9/2^+$.

Adopted Levels, Gammas (continued)

$\gamma(^{95}Sr)$

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π	Mult.	α	Comments
352.02	$(3/2)^+$	352.01 *9*	100	0.0	$1/2^+$	M1	0.00607 *9*	α(K)=0.00536 *8*; α(L)=0.000591 *9*; α(M)=9.94×10^{-5} *14*; α(N)=1.248×10^{-5} *18*; α(O)=8.11×10^{-7} *12* α(N+..)=1.330×10^{-5} *19* Mult.: from α(K)exp. E_γ: weighted average of 352.0 *1* (^{95}Rb β^- decay), 352.0 *3* (^{252}Cf SF decay), 352.1 *4* (^{235}U(n,Fγ), ^{239}Pu(n,Fγ)).
556.08	$(7/2)^+$	204.01 *9*	100	352.02	$(3/2)^+$	E2	0.0751	α(K)=0.0653 *10*; α(L)=0.00831 *12*; α(M)=0.001396 *20*; α(N)=0.0001682 *24* α(O)=8.97×10^{-6} *13*; α(N+..)=0.0001772 *25* B(E2)(W.u.)=2.64 *6* Mult.: E2 from α(K)exp. in β^- decay. E_γ: weighted average of 204.0 *1* (^{95}Rb β^- decay), 204.0 *3* (^{252}Cf SF decay), 204.2 *4* (^{235}U(n,Fγ), ^{239}Pu(n,Fγ).
680.70	$3/2^+,5/2^+$	124.6[@] *2*	1.6[†] *3*	556.08	$(7/2)^+$	[E2]	0.454	α(K)=0.387 *6*; α(L)=0.0567 *9*; α(M)=0.00955 *15*; α(N)=0.001119 *18*; α(O)=5.06×10^{-5} *8* α(N+..)=0.001170 *18*
		328.7 *1*	63[†] *4*	352.02	$(3/2)^+$	M1	0.00718 *10*	α(K)=0.00634 *9*; α(L)=0.000701 *10*; α(M)=0.0001178 *17*; α(N)=1.479×10^{-5} *21* α(O)=9.60×10^{-7} *14*; α(N+..)=1.575×10^{-5} Mult.: from α(K)exp in β^- decay.
		680.7 *1*	100 *7*	0.0	$1/2^+$	M1,E2	0.00141 *12*	α(K)=0.00124 *10*; α(L)=0.000137 *13*; α(M)=2.30×10^{-5} *21*; α(N)=2.87×10^{-6} *25* α(O)=1.85×10^{-7} *13*; α(N+..)=3.1×10^{-6} *3* Mult.: from α(K)exp in β^- decay.
1003.70	$1/2^+,3/2,5/2$	651.6 *2*	28 *3*	352.02	$(3/2)^+$			
		1003.7 *2*	100 *10*	0.0	$1/2^+$			
1012.25	$1/2^+,3/2^+,5/2^+$	331.6 *2*	38[†] *5*	680.70	$3/2^+,5/2^+$	[M1,E2]	0.010 *4*	α(K)=0.009 *3*; α(L)=0.0011 *4*; α(M)=0.00018 *7*; α(N)=2.2×10^{-5} *8*; α(O)=1.3×10^{-6} *4* α(N+..)=2.3×10^{-5} *8*
		660.2 *1*	100[†] *7*	352.02	$(3/2)^+$	M1,E2	0.00152 *14*	α(K)=0.00134 *12*; α(L)=0.000148 *15*; α(M)=2.48×10^{-5} *25*; α(N)=3.1×10^{-6} *3*; α(O)=1.99×10^{-7} *15* α(N+..)=3.3×10^{-6} *3* Mult.: from α(K)exp in β^- decay.
		1012.2 *3*	3.6[†] *7*	0.0	$1/2^+$			
1121.01	$3/2^+$ to $7/2^+$	440.3 *3*	27[†] *6*	680.70	$3/2^+,5/2^+$			E_γ,I_γ: from ^{95}Rb β-decay; not seen in ^{96}Rb β^-n decay.
		565.0 *2*	41[†] *4*	556.08	$(7/2)^+$			
		769.0 *2*	100[†] *8*	352.02	$(3/2)^+$			

Adopted Levels, Gammas (continued)

γ(^{95}Sr) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π	Mult.	α	Comments
1238.80	(9/2$^+$)	682.54 *24*	100 *19*	556.08	(7/2)$^+$	(M1+E2)	0.00140 *12*	α(K)=0.00124 *10*; α(L)=0.000136 *13*; α(M)=2.28×10^{-5} *21*; α(N)=2.85×10^{-6} *25* α(O)=1.84×10^{-7} *13*; α(N+..)=3.0×10^{-6} *3* Mult.: from the J^π of initial and final levels. E_γ: weighted average of 682.8 *4* (^{95}Rb β^- decay), 682.4 *3* (^{252}Cf SF decay). I_γ: from ^{95}Rb β^- decay.
		886.7[@] *3*	10.6 *25*	352.02	(3/2)$^+$			E_γ,I_γ: from ^{95}Rb β^- decay; not seen in ^{252}Cf SF decay.
1247.24	1/2,3/2,5/2	1247.2[#] *4*	100[#†]	0.0	1/2$^+$			
1259.66	1/2$^+$,3/2,5/2	256.0 *2*	2.9 *6*	1003.70	1/2$^+$,3/2,5/2	[M1,E2]	0.023 *10*	α(K)=0.021 *9*; α(L)=0.0024 *12*; α(M)=0.00041 *19*; α(N)=5.0×10^{-5} *23*; α(O)=2.9×10^{-6} *12* α(N+..)=5.3×10^{-5} *24* E_γ,I_γ: from ^{95}Rb β^- decay; not observed in ^{96}Rb β^-n decay. Mult.: from α(K)exp in β^- decay.
		578.9 *1*	80[†] *7*	680.70	3/2$^+$,5/2$^+$			
		703.5 *2*	11.6[†] *22*	556.08	(7/2)$^+$			
		907.6 *2*	39[†] *6*	352.02	(3/2)$^+$			
		1259.7 *2*	100[†] *9*	0.0	1/2$^+$			
1439.30	1/2$^+$,3/2,5/2	427.2 *2*	6.8[†] *11*	1012.25	1/2$^+$,3/2$^+$,5/2$^+$			
		435.5 *2*	10.8[†] *16*	1003.70	1/2$^+$,3/2,5/2			
		758.9 *3*	1.6[†] *5*	680.70	3/2$^+$,5/2$^+$			
		1087.3 *3*	6.8[†] *14*	352.02	(3/2)$^+$			
		1439.2 *2*	100[†] *8*	0.0	1/2$^+$			
1665.74	(11/2$^+$)	427.1 *3*	100[‡] *5*	1238.80	(9/2$^+$)			
		1109.5 *3*	8.9[‡] *13*	556.08	(7/2)$^+$			
1680.24	(9/2$^+$,11/2$^+$)	441.6 *3*	3.9[‡] *12*	1238.80	(9/2$^+$)			
		1124.0 *3*	100[‡] *5*	556.08	(7/2)$^+$			
1743.53	1/2$^+$ to 5/2$^+$	622.3 *2*	13[†] *3*	1121.01	3/2$^+$ to 7/2$^+$			
		731.3 *3*	15[†] *3*	1012.25	1/2$^+$,3/2$^+$,5/2$^+$			
		1062.8 *2*	100[†] *20*	680.70	3/2$^+$,5/2$^+$			
		1187.2 *3*	23[†] *5*	556.08	(7/2)$^+$			
1750.86	1/2$^+$ to 7/2	630.3 *3*	16[†] *3*	1121.01	3/2$^+$ to 7/2$^+$			
		747.0 *3*	8[†] *3*	1003.70	1/2$^+$,3/2,5/2			
		1069.9 *3*	100[†] *14*	680.70	3/2$^+$,5/2$^+$			

$^{95}_{38}Sr_{57}$-5

Adopted Levels, Gammas (continued)

γ(^{95}Sr) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π
1750.86	1/2⁺ to 7/2	1195.0 *3*	37[†] *8*	556.08	(7/2)⁺
		1398.6 *4*	92[†] *18*	352.02	(3/2)⁺
1843.70		583.8 *3*	3.2[†] *16*	1259.66	1/2⁺,3/2,5/2
		604.7 *2*	53[†] *6*	1238.80	(9/2⁺)
		722.6 *2*	37[†] *8*	1121.01	3/2⁺ to 7/2⁺
		831.3 *3*	100[†] *16*	1012.25	1/2⁺,3/2⁺,5/2⁺
		1163.0 *3*	27[†] *5*	680.70	3/2⁺,5/2⁺
1860.45		739.4 *3*	25[†] *7*	1121.01	3/2⁺ to 7/2⁺
		1179.8 *3*	100[†] *17*	680.70	3/2⁺,5/2⁺
		1304.6 *4*	25[†] *7*	556.08	(7/2)⁺
1864.18	1/2⁺ to 7/2	1308.0 *3*	28[†] *8*	556.08	(7/2)⁺
		1512.1 *3*	100[†] *16*	352.02	(3/2)⁺
1948.5		1267.8 *3*	100[†]	680.70	3/2⁺,5/2⁺
1974.95	1/2⁺ to 7/2	535.7 *2*	28[†] *6*	1439.30	1/2⁺,3/2,5/2
		1622.8 *3*	100[†] *15*	352.02	(3/2)⁺
2013.33	1/2⁺,3/2,5/2	1661.5 *3*	100[†] *13*	352.02	(3/2)⁺
		2013.1 *3*	77[†] *11*	0.0	1/2⁺
2076.5		955.5 *4*	≈0[†]	1121.01	3/2⁺ to 7/2⁺
		1395.7 *4*	100[†] *20*	680.70	3/2⁺,5/2⁺
2098.91	1/2⁺,3/2,5/2	839.2 *3*	45[†] *21*	1259.66	1/2⁺,3/2,5/2
		1418.6 *3*	100[†] *17*	680.70	3/2⁺,5/2⁺
		1746.7 *3*	59[†] *17*	352.02	(3/2)⁺
		2098.7 *3*	59[†] *10*	0.0	1/2⁺
2236.0		976.3 *3*	100[†]	1259.66	1/2⁺,3/2,5/2
2246.90	1/2⁺,3/2,5/2	1895.0 *3*	91[†] *15*	352.02	(3/2)⁺
		2247.0 *3*	100[†] *15*	0.0	1/2⁺
2264.62		1708.5 *3*	100[†]	556.08	(7/2)⁺
2344.35	(13/2⁺)	664.1 *3*	32[‡] *4*	1680.24	(9/2⁺,11/2⁺)
		678.6 *3*	100[‡] *15*	1665.74	(11/2⁺)
2368.2?		1247.2[#@] *4*	100[#†]	1121.01	3/2⁺ to 7/2⁺
2394.39		1273.5 *3*	22[†] *6*	1121.01	3/2⁺ to 7/2⁺
		1381.8 *3*	39[†] *8*	1012.25	1/2⁺,3/2⁺,5/2⁺

$^{95}_{38}Sr_{57}$-6

Adopted Levels, Gammas (continued)

γ(^{95}Sr) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π
2394.39		1838.5 *3*	100[†] *14*	556.08	$(7/2)^+$
2424.4	$(13/2^+,15/2^+)$	744.2 *3*	59[‡] *9*	1680.24	$(9/2^+,11/2^+)$
		758.7 *3*	100[‡] *16*	1665.74	$(11/2^+)$
2430.06		1308.8 *3*	1.0×10^2[†] *3*	1121.01	$3/2^+$ to $7/2^+$
		1873.8 *3*	91[†] *14*	556.08	$(7/2)^+$
2827.92		1084.4 *3*	100[†] *20*	1743.53	$1/2^+$ to $5/2^+$
		2271.8 *3*	60[†] *12*	556.08	$(7/2)^+$
2869.1	$(15/2^+)$	524.8 *3*	20[‡] *3*	2344.35	$(13/2^+)$
		1203.4 *3*	100[‡] *15*	1665.74	$(11/2^+)$
2967.7	3/2,5/2,7/2	1528.5 *3*	100[†] *13*	1439.30	$1/2^+$,3/2,5/2
		1963.8 *4*	10[†] *3*	1003.70	$1/2^+$,3/2,5/2
2974.38	3/2,5/2,7/2	1110.5 *3*	22[†] *5*	1864.18	$1/2^+$ to 7/2
		1714.5 *4*	10[†] *3*	1259.66	$1/2^+$,3/2,5/2
		1962.0 *3*	100[†] *13*	1012.25	$1/2^+$,$3/2^+$,$5/2^+$
		2418.2 *3*	25[†] *5*	556.08	$(7/2)^+$
3050.8		706.5	100[‡]	2344.35	$(13/2^+)$
3206.53	3/2,5/2,7/2	2203.0 *3*	30[†] *6*	1003.70	$1/2^+$,3/2,5/2
		2525.7 *3*	36[†] *7*	680.70	$3/2^+$,$5/2^+$
		2650.3 *3*	100[†] *14*	556.08	$(7/2)^+$
3366.63	$3/2^-$,$5/2^-$,$7/2^-$	1120.0 *3*	7.8[†] *16*	2246.90	$1/2^+$,3/2,5/2
		1522.7 *3*	16.0[†] *20*	1843.70	
		1623.0 *4*	2.2[†] *8*	1743.53	$1/2^+$ to $5/2^+$
		1927.3 *3*	100[†] *14*	1439.30	$1/2^+$,3/2,5/2
		2106.7 *3*	≈0[†]	1259.66	$1/2^+$,3/2,5/2
		2685.9 *3*	44[†] *8*	680.70	$3/2^+$,$5/2^+$
		2810.6 *3*	62[†] *10*	556.08	$(7/2)^+$
		3014.7 *3*	50[†] *8*	352.02	$(3/2)^+$
3421.0	$(17/2^+)$	551.8 *3*	4.0[‡] *12*	2869.1	$(15/2^+)$
		996.5 *3*	72[‡] *10*	2424.4	$(13/2^+,15/2^+)$
		1076.6 *3*	100[‡] *14*	2344.35	$(13/2^+)$
3449.53	$3/2^-$,$5/2^-$,$7/2^-$	2437.3 *3*	16.6[†] *25*	1012.25	$1/2^+$,$3/2^+$,$5/2^+$
		2768.8 *3*	22[†] *3*	680.70	$3/2^+$,$5/2^+$
		2893.3 *3*	33 *6*	556.08	$(7/2)^+$

$^{95}_{38}Sr_{57}$-7

Adopted Levels, Gammas (continued)

γ(^{95}Sr) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π
3449.53	3/2⁻,5/2⁻,7/2⁻	3097.5 *3*	100[†] *16*	352.02	(3/2)⁺
3463.66	3/2,5/2	2342.6 *4*	43[†] *8*	1121.01	3/2⁺ to 7/2⁺
		2451.2 *3*	93[†] *20*	1012.25	1/2⁺,3/2⁺,5/2⁺
		2460.0 *4*	53[†] *13*	1003.70	1/2⁺,3/2,5/2
		2782.7 *4*	43[†] *11*	680.70	3/2⁺,5/2⁺
		3111.8 *4*	68[†] *11*	352.02	(3/2)⁺
		3464.0 *5*	100[†] *13*	0.0	1/2⁺
3479.08	3/2⁻,5/2⁻,7/2⁻	1048.6 *3*	1.1[†] *4*	2430.06	
		1635.0 *3*	1.5[†] *5*	1843.70	
		1735.6 *3*	3.5[†] *12*	1743.53	1/2⁺ to 5/2⁺
		2219.4 *3*	42[†] *5*	1259.66	1/2⁺,3/2,5/2
		2240.1 *3*	3.5[†] *7*	1238.80	(9/2⁺)
		2358.0[#] *3*	51[#†] *6*	1121.01	3/2⁺ to 7/2⁺
		2466.8 *3*	18.6[†] *24*	1012.25	1/2⁺,3/2⁺,5/2⁺
		2798.6 *3*	100[†] *12*	680.70	3/2⁺,5/2⁺
		3128.1 *4*	4.7[†] *9*	352.02	(3/2)⁺
3532.36	3/2 to 7/2	2293.6 *3*	30[†] *6*	1238.80	(9/2⁺)
		2851.6 *3*	100[†] *16*	680.70	3/2⁺,5/2⁺
		3180.2 *4*	100[†] *15*	352.02	(3/2)⁺
3584.17	3/2⁻,5/2⁻,7/2⁻	1319.7 *3*	22[†] *5*	2264.62	
		1719.6 *3*	33[†] *5*	1864.18	1/2⁺ to 7/2
		1723.5 *3*	44[†] *7*	1860.45	
		1740.5 *3*	9[†] *3*	1843.70	
		1833.4 *3*	45[†] *5*	1750.86	1/2⁺ to 7/2
		2324.6 *3*	100[†] *13*	1259.66	1/2⁺,3/2,5/2
		2463.3 *4*	55[†] *11*	1121.01	3/2⁺ to 7/2⁺
		2571.8 *3*	13[†] *3*	1012.25	1/2⁺,3/2⁺,5/2⁺
		2903.6 *4*	29[†] *4*	680.70	3/2⁺,5/2⁺
3587.6	3/2,5/2	2340.0 *5*	34[†] *7*	1247.24	1/2,3/2,5/2
		2584.5 *5*	26[†] *5*	1003.70	1/2⁺,3/2,5/2
		3235.0 *5*	100[†] *14*	352.02	(3/2)⁺
		3587.8 *5*	68[†] *10*	0.0	1/2⁺

$^{95}_{38}Sr_{57}$-8

Adopted Levels, Gammas (continued)

γ(^{95}Sr) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π
3591.35	3/2 to 7/2	2152.0 *3*	41[†] *8*	1439.30	1/2$^+$,3/2,5/2
		2910.5 *3*	88[†] *14*	680.70	3/2$^+$,5/2$^+$
		3035.5 *4*	17[†] *4*	556.08	(7/2)$^+$
		3239.2 *5*	100[†] *14*	352.02	(3/2)$^+$
3597.86	3/2$^-$,5/2$^-$,7/2$^-$	1854.2 *3*	11[†] *3*	1743.53	1/2$^+$ to 5/2$^+$
		2338.6 *4*	36[†] *6*	1259.66	1/2$^+$,3/2,5/2
		2593.8 *4*	22[†] *3*	1003.70	1/2$^+$,3/2,5/2
		3245.9 *4*	100[†] *15*	352.02	(3/2)$^+$
3605.67	3/2$^-$,5/2$^-$	2358.0[#] *5*	15[#†] *4*	1247.24	1/2,3/2,5/2
		2925.1 *4*	8.7[†] *17*	680.70	3/2$^+$,5/2$^+$
		3253.6 *4*	100[†] *13*	352.02	(3/2)$^+$
		3605.7 *5*	6.3[†] *13*	0.0	1/2$^+$
3612.32	3/2$^-$,5/2$^-$,7/2$^-$	1748.0 *4*	4.6[†] *23*	1864.18	1/2$^+$ to 7/2
		1752.6 *4*	16[†] *4*	1860.45	
		1768.3 *3*	35[†] *5*	1843.70	
		1868.4 *3*	21[†] *5*	1743.53	1/2$^+$ to 5/2$^+$
		2373.3 *4*	100[†] *19*	1238.80	(9/2$^+$)
		2492.0 *5*	7.7[†] *19*	1121.01	3/2$^+$ to 7/2$^+$
		2600.1 *3*	17[†] *3*	1012.25	1/2$^+$,3/2$^+$,5/2$^+$
		2931.6 *4*	58[†] *8*	680.70	3/2$^+$,5/2$^+$
		3056.0 *4*	24[†] *4*	556.08	(7/2)$^+$
		3261.0 *6*	5.4[†] *15*	352.02	(3/2)$^+$
3624.7	3/2,5/2,7/2	3272.6 *4*	100[†]	352.02	(3/2)$^+$
3635.62	3/2$^-$,5/2$^-$,7/2$^-$	1370.8 *3*	12.5[†] *25*	2264.62	
		1775.0 *4*	44[‡] *6*	1860.45	
		1791.7 *3*	39[†] *5*	1843.70	
		1891.8 *3*	14.2[†] *25*	1743.53	1/2$^+$ to 5/2$^+$
		2376.0 *4*	79[†] *17*	1259.66	1/2$^+$,3/2,5/2
		2514.7 *3*	55[†] *8*	1121.01	3/2$^+$ to 7/2$^+$
		2623.5 *3*	29[†] *4*	1012.25	1/2$^+$,3/2$^+$,5/2$^+$
		2632.3 *5*	3.8[†] *17*	1003.70	1/2$^+$,3/2,5/2
		2955.1 *3*	100[†] *17*	680.70	3/2$^+$,5/2$^+$

$^{95}_{38}Sr_{57}$-9

Adopted Levels, Gammas (continued)

γ(^{95}Sr) (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π
3635.62	3/2⁻,5/2⁻,7/2⁻	3079.6 *4*	50† *6*	556.08	(7/2)⁺
3695.8	(19/2⁺)	826.6 *3*	100‡	2869.1	(15/2⁺)
3708.64	3/2,5/2	2461.8 *4*	100† *20*	1247.24	1/2,3/2,5/2
		2704.5 *4*	44† *12*	1003.70	1/2⁺,3/2,5/2
		3028.0 *5*	40† *10*	680.70	3/2⁺,5/2⁺
		3708.4 *5*	90† *16*	0.0	1/2⁺
3712.1	3/2,5/2,7/2	3031.2 *5*	28† *9*	680.70	3/2⁺,5/2⁺
		3360.2 *5*	100† *15*	352.02	(3/2)⁺
3801.79	3/2 to 7/2	2542.0 *3*	43† *11*	1259.66	1/2⁺,3/2,5/2
		2681.0 *4*	25† *6*	1121.01	3/2⁺ to 7/2⁺
		3120.9 *4*	100† *17*	680.70	3/2⁺,5/2⁺
		3449.8 *5*	40† *8*	352.02	(3/2)⁺
3940.3	1/2⁺,3/2,5/2	3588.2 *6*	1.0×10²† *3*	352.02	(3/2)⁺
		3940.2 *6*	60† *16*	0.0	1/2⁺
3986.3	3/2,5/2,7/2	2982.6 *4*	100† *17*	1003.70	1/2⁺,3/2,5/2
		3634.0 *8*	16† *8*	352.02	(3/2)⁺
4095.2	(21/2⁺)	674.2 *3*	100‡	3421.0	(17/2⁺)
4163.6	1/2⁺,3/2,5/2	3811.2 *6*	100† *24*	352.02	(3/2)⁺
		4164.0 *7*	38† *14*	0.0	1/2⁺
4230.5	3/2,5/2	2970.5 *4*	35† *15*	1259.66	1/2⁺,3/2,5/2
		3878.6 *6*	100† *25*	352.02	(3/2)⁺
		4231.0 *7*	60† *20*	0.0	1/2⁺
4247.9	3/2,5/2,7/2	3567.0 *5*	100† *19*	680.70	3/2⁺,5/2⁺
		3692.0 *8*	18† *9*	556.08	(7/2)⁺
4278.5	1/2⁺ to 7/2	3926.4 *6*	100†	352.02	(3/2)⁺
4292.4	1/2⁺,3/2,5/2	4292.3 *7*	100†	0.0	1/2⁺
4312.4	3/2,5/2,7/2	2873.2 *4*	100† *21*	1439.30	1/2⁺,3/2,5/2
		3631.0 *8*	41† *14*	680.70	3/2⁺,5/2⁺
4525.3	(23/2⁺)	829.5 *3*	100‡	3695.8	(19/2⁺)
4570.7	1/2⁺ to 7/2	4218.6 *7*	100†	352.02	(3/2)⁺
4661.3?		4309.2@ *8*	100†	352.02	(3/2)⁺
4879.8	(25/2⁺)	784.6 *3*	100‡	4095.2	(21/2⁺)

$^{95}_{38}Sr_{57}$-10

Adopted Levels, Gammas (continued)

$\gamma(^{95}Sr)$ (continued)

E_i(level)	J_i^π	E_γ[†‡]	I_γ	E_f	J_f^π
5421.6	$(27/2^+)$	896.3 *3*	100[‡]	4525.3	$(23/2^+)$
6176.0	$(31/2^+)$	754.4 *3*	100[‡]	5421.6	$(27/2^+)$

† From ^{95}Rb β^- decay.
‡ From ^{252}Cf SF decay.
# Multiply placed with intensity suitably divided.
@ Placement of transition in the level scheme is uncertain.

$^{95}_{38}Sr_{57}$-11

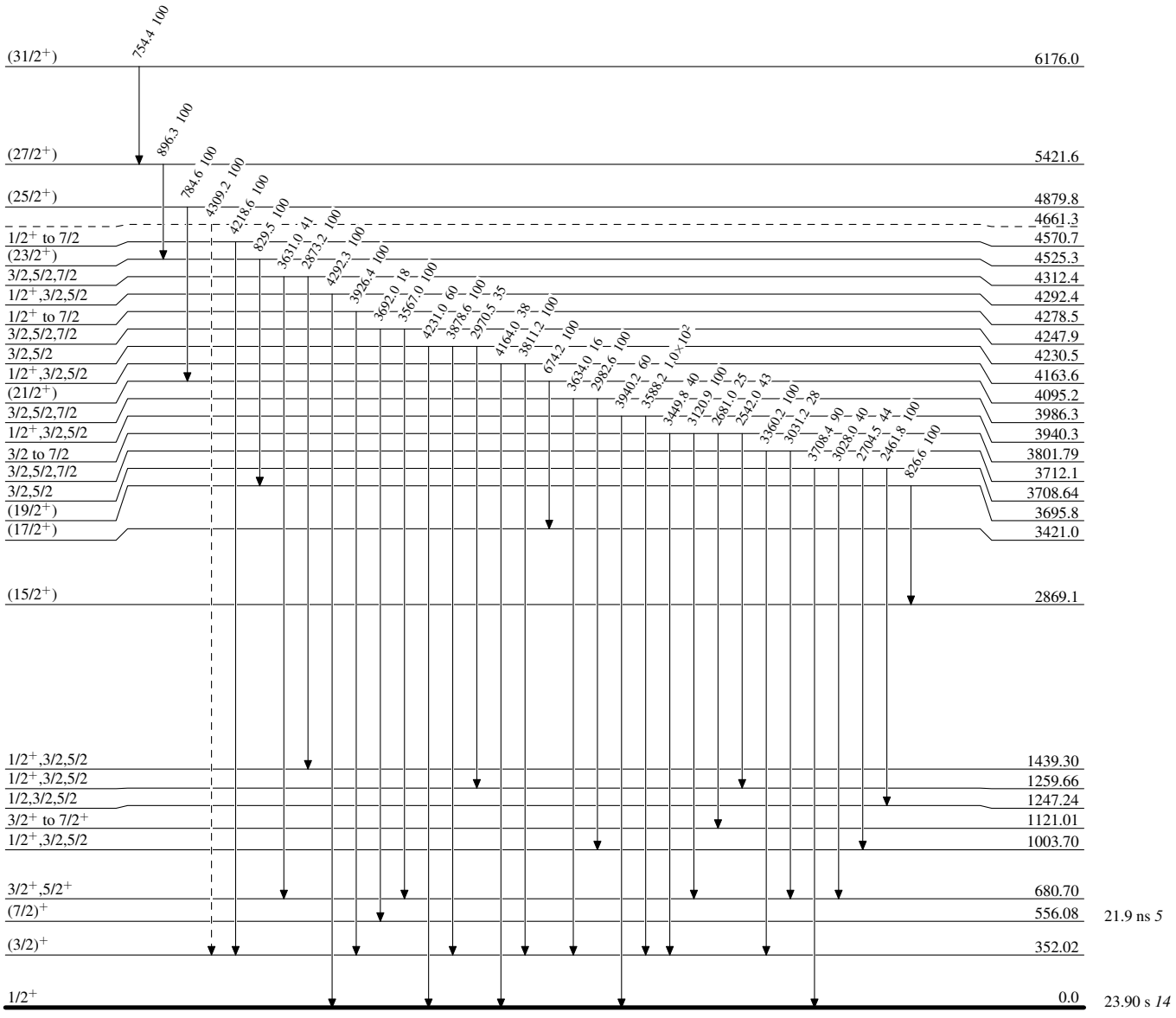
Adopted Levels, Gammas

Legend

Level Scheme

Intensities: Relative photon branching from each level

γ Decay (Uncertain)

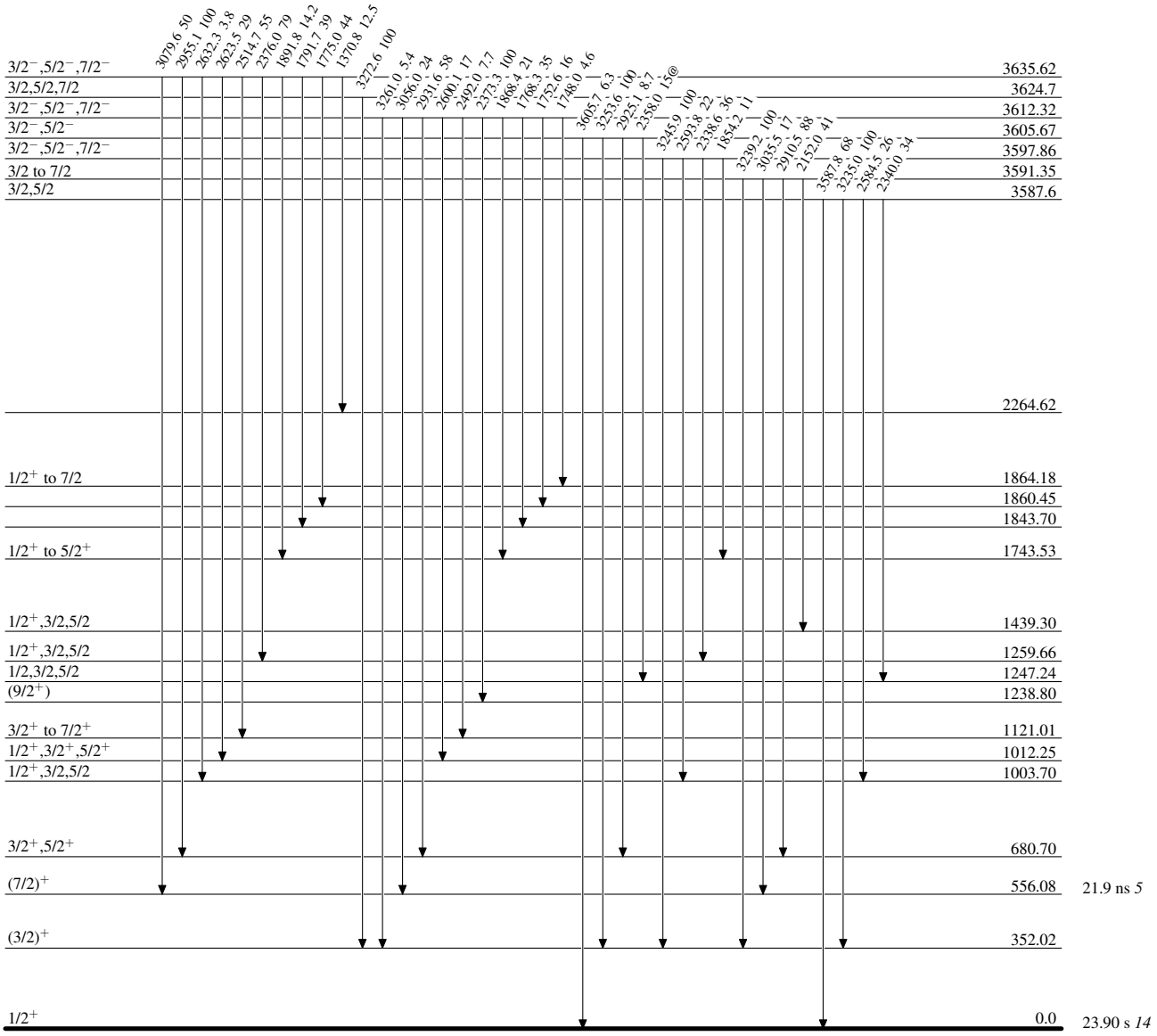


$^{95}_{38}Sr_{57}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

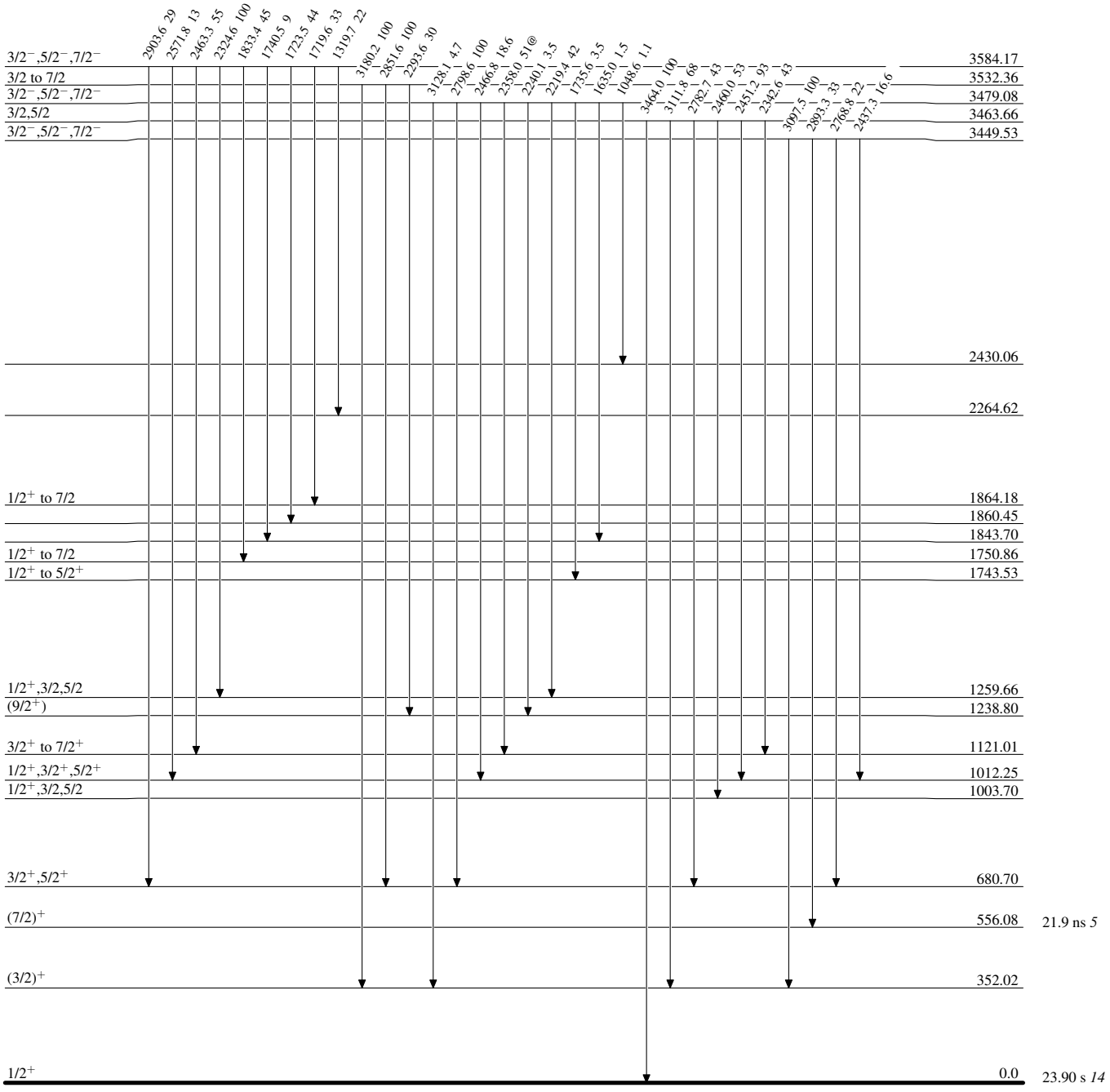


$^{95}_{38}Sr_{57}$

Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



$^{95}_{38}Sr_{57}$

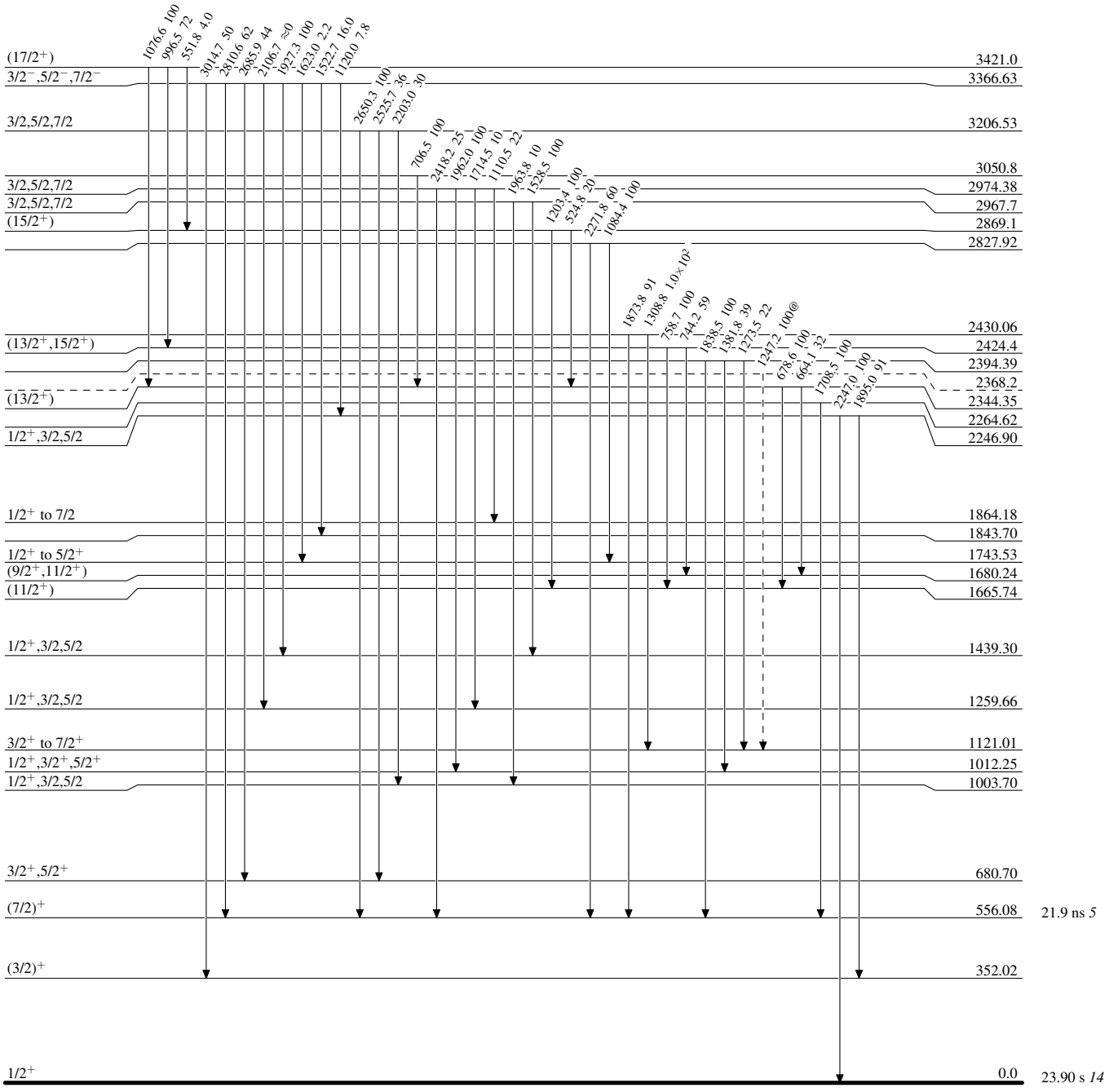
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided

γ Decay (Uncertain)

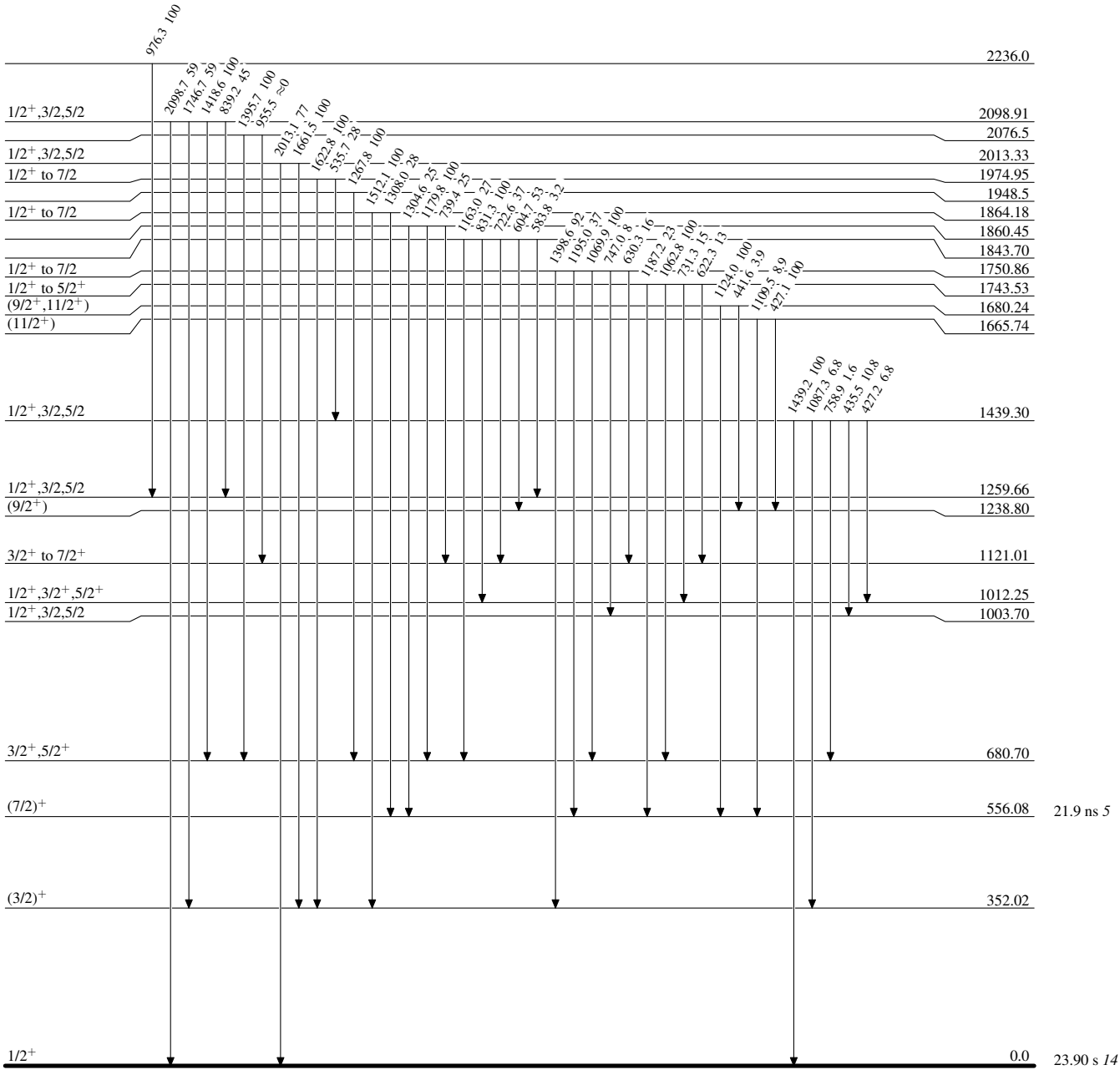


$^{95}_{38}Sr_{57}$

Adopted Levels, Gammas

Level Scheme (continued)

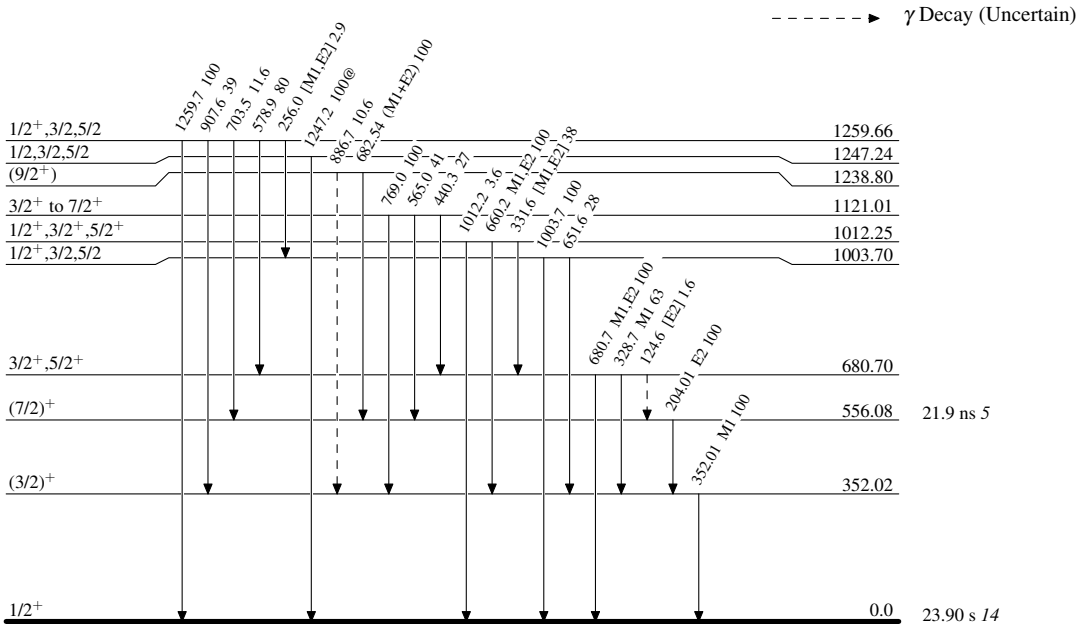
Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



Adopted Levels, Gammas

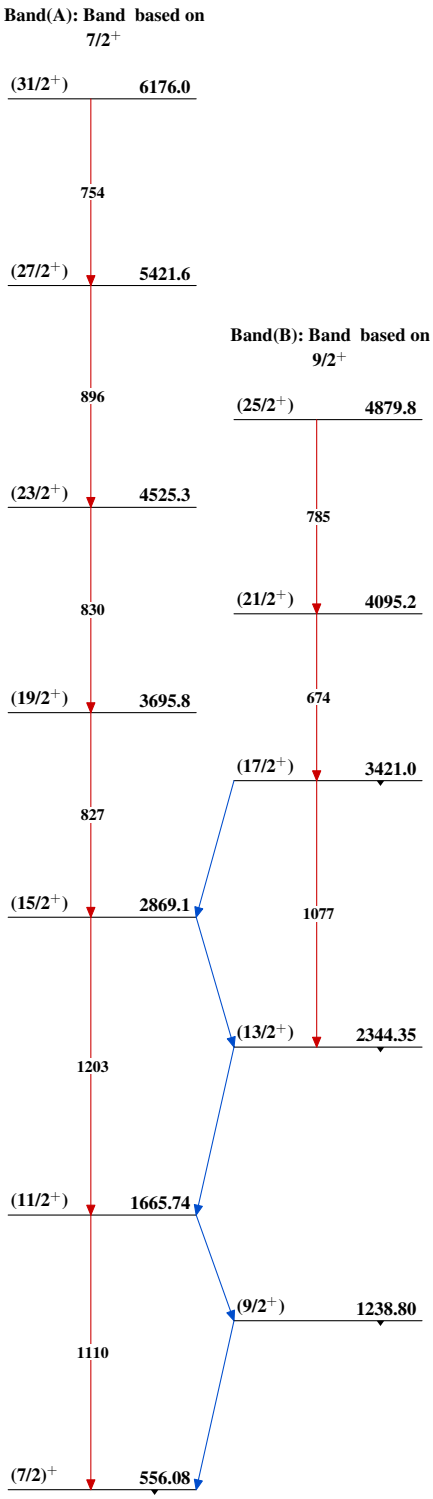
Level Scheme (continued)

Intensities: Relative photon branching from each level
@ Multiply placed: intensity suitably divided



$^{95}_{38}Sr_{57}$

Adopted Levels, Gammas



$^{95}_{38}Sr_{57}$