Adopted Levels, Gammas

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	E. A. Mccutchan and A. A. Sonzogni	NDS 115,135 (2014)	1-Nov-2013

Q(β^-)=−3622.6 *15*; S(n)=11112.64 *16*; S(p)=10612.5 *11*; Q(α)=−7906.9 *11* 2012Wa38
S(2n)=19540.79 *20*; S(2p)=19233.6 *11* (2012Wa38).
α: Additional information 1.

^{88}Sr Levels

Cross Reference (XREF) Flags

A	^{88}Rb β^- decay	I	^{88}Sr(γ,γ')	Q	^{88}Sr(n,n′)
B	^{88}Y β^+ decay	J	^{88}Sr(d,d′),(pol d,d′)	R	^{89}Y(d,^{3}He)
C	^{80}Se(^{11}B,p2nγ)	K	^{88}Sr(e,e′)	S	^{89}Y(μ^-,nγ)
D	^{86}Kr(α,2nγ)	L	^{88}Sr(p,p′),(pol p,p′)	T	^{89}Y(^{6}Li,^{7}Be)
E	^{86}Sr(t,p)	M	^{88}Sr(n,n′γ)	U	^{90}Zr(^{6}Li,^{8}B)
F	^{87}Sr(n,γ) E=thermal	N	Coulomb excitation	V	^{92}Zr(d,^{6}Li)
G	^{87}Rb(^{3}He,d)	O	^{86}Kr(^{3}He,n)	W	^{176}Yb(^{28}Si,Fγ),^{173}Yb(^{24}Mg,Fγ)
H	^{87}Sr(d,p)	P	^{87}Rb(p,n),(p,γ) IAR		

E(level)[†]	J^π	$T_{1/2}$[‡]	XREF	Comments
0	0^+	stable	ABCDEFGHIJKLMNO QRSTUVW	
1836.090 *8*	2^+	0.154 ps *8*	ABCDEFGHIJKLMNO QRSTUVW	μ=+2.44 *22* J^π: E2 1826γ to 0^+, L(p,t)=2. $T_{1/2}$: weighted average of 0.155 ps *8* from (γ,γ') and 0.152 ps *12* from DSAM in Coul. Ex. Others: 0.159 ps *13* from B(E2) in (e,e′) and 0.185 ps *14* from DSAM in (n,n′γ). μ: from transient field technique in Coul. Ex. (2012Ku14).
2734.137 *8*	3^-	0.70 ps *5*	ABCDEFGH JKLMNO Q S VW	J^π: L(t,p)=3. $T_{1/2}$: weighted average of 0.78 ps *5* from B(E3) in (e,e′) and 0.67 ps *3* from DSAM in Coul. Ex. Other: 0.67 ps *+19−13* from DSAM in (n,n′γ).
3156.19 *10*	0^+	1.5 ps *+8−4*	E G KLM O UV	J^π: L(t,p)=0.
3218.489 *22*	2^+	0.155 ps *10*	AB EFGHIJKLM R T	J^π: L(t,p)=2. $T_{1/2}$: Other: 0.13 ps *6* from B(E2)=0.0014 *7* in (e,e′).
3378.2 *10*	1	22[@] ps *3*	I	J^π: D 3378γ to 0^+.
3486.56 *4*	1^+	2.78[@] fs *24*	A FG I KLM R T	J^π: M1 3487γ to 0^+. $T_{1/2}$: Other: 4.6 fs *39* from DSAM in (n,n′γ).
3522.77 *7*	(2^+)	46 fs *15*	A F M	J^π: 3523γ to 0^+, 2167γ from 4^+.
3584.784 *19*	5^-	0.14[#] ns *4*	BCD FGH KLM S VW	J^π: L(p,p′)=5, E2 851γ to 3^-. $T_{1/2}$: Other: 1.7 ps *+6−3* from DSAM in (n,n′γ).
3635.09 *4*	$(3)^+$	0.76 ps *+21−14*	A FGH JKLM RST	J^π: L(^{3}He,d)=1 on $3/2^-$ target; primary γ from 4^+,5^+ capture state; ΔJ=1, M1+E2 1779γ to 2^+.
3952.636 *22*	$(4)^-$	0.8 ps *+7−3*	FG KLM	J^π: L(p,p′)=5, M1+E2 1219γ to 3^-.
3990 *5*			E	J^π: May be identical to the 3993.8 level if L(t,p)=4,3 is incorrect.
3992.42 *7*	(0^+)	>0.48 ps	KLM	J^π: L(p,p′)=(0), $\gamma(\theta)$ in (n,n′γ).
4019.56 *4*	$(6)^-$	<10[#] ps	CD FG J M vW	J^π: L(^{3}He,d)=4 on $3/2^-$ target, M1+E2 434γ to 5^-. $T_{1/2}$: Other: >1.9 ps from DSAM in (n,n′γ).
4035.52 *7*	2^+	15 fs *3*	A E I K M Uv	J^π: L(t,p)=2. $T_{1/2}$: weighted average of 21 fs *7* from DSAM in (n,n′γ), 13 fs *3* from (γ,γ'), and 20 fs *11* from

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	J^{π}	$T_{1/2}$[‡]	XREF	Comments
				B(E2)=0.013 *7* in (e,e′).
4039.04 *3*	$(3)^+$	83 fs *7*	F H LM	J^{π}: L(p,p′)=(2), M1(+E2) 842γ from 4^+.
4170.41 *3*	(3^-)	1.6 ps *+22−6*	F K M	J^{π}: 586γ to 5^-, 1436γ to 3^-, 4171γ to 0^+.
4171? *4*	$(6^+,7^-)$		L	E(level): possibly identical to 4170.4 level if L(p,p′) is incorrect. J^{π}: L(p,p′)=(6,7).
4224.10 *10*			A k M	$T_{1/2}$: 170 ps *60* based on DSAM in (n,n′γ) of 1006γ which has only a tentative assignment to this level.
4226.98 *12*	1	0.15[@] ps *4*	I	J^{π}: D 4227γ to 0^+.
4227.20 *4*	(3^-)	84 fs *26*	EF kLM	J^{π}: L(p,p′)=3; D 2391γ to 2^+. L(t,p)=4 is discrepant.
4232 *10*	4^+		E	J^{π}: L(t,p)=4. Possibly identical to the 4227.2 level if L(t,p) is incorrect.
4262.9 *10*	$(1,2^+)$		I	J^{π}: 4263γ to 0^+.
4268.70 *4*	$(3^-,4,5^-)$	0.37 ps *4*	F JKLM	J^{π}: 684γ to 5^-, 1534γ to 3^-. Decay pattern inconsistent with L(p,p′)=(2).
4299.52 *5*	4^+	30 fs *5*	EF H KLM	J^{π}: L(t,p)=4.
4353.95 *7*	(3^-)	0.68 ps *+22−14*	KLM	J^{π}: D 1136γ to 2^+, 769γ to 5^-.
4367.94 *8*	(7^-)	<10[#] ps	CD KLM VW	J^{π}: L(d,^{6}Li)=(7) on 0^+ target, E2 783γ to 5^-. $T_{1/2}$: Other: >600 fs from DSAM in (n,n′γ).
4413.96 *4*	$(2)^+$	16 fs *3*	A EF H KLM	J^{π}: L(d,p)=2(+0) on $9/2^+$ target. 1970Ra10 deduced L(t,p)=2+6 for an unresolved doublet. Also 1987Li02 concluded this level to be a doublet from the large L(d,p)=2 strength.
4440.72 *8*		367 fs *49*	F KLM	
4451.97 *3*	$(4)^+$	222 fs *42*	F H LM	J^{π}: L(d,p)=2(+0) on $9/2^+$ target; 2616γ to 2^+.
4484.83 *7*	0^+	97 fs *7*	E KLM V	XREF: V(4470). J^{π}: L(t,p)=0.
4514.028 *17*	2^-	0.9 ps *3*	A k M	J^{π}: log *ft*=5.5 from 2^-. J=1,3 rejected by $\gamma\gamma(\theta)$ in ^{88}Rb β^- decay.
4514.54 *7*	$+$	27 fs *8*	F H k M	J^{π}: L(d,p)=2 on $9/2^+$ target indicates a positive parity level near the 4514-keV level.
4521.43 *12*	$(6)^-$		C LM W	J^{π}: L(p,p′)=5, M1(+E2) 936γ to 5^-.
4556 *3*	$+$		H	J^{π}: L(d,p)=2 on $9/2^+$ target.
4613.8 *6*	(3^-)		H V	J^{π}: L(d,^{6}Li)=(3).
4622.19 *9*	2^+	21 fs *5*	E KLM	XREF: E(4619)L(4626). J^{π}: L(t,p)=2.
4632.0 *6*	$+$		H	J^{π}: L(d,p)=2 on $9/2^+$ target.
4640.40 *7*		132 fs *14*	LM	XREF: L(4645).
4680.19 *10*		0.15 ps *+15−7*	M	
4687.38 *24*	(7)		C K	XREF: K(4695). J^{π}: D 2153γ from (8).
4742.50 *6*	1^-	2.6[@] fs *2*	A HI LM V	J^{π}: E1 γ to 0^+ g.s. E(level): Candidate for 2^+ x 3^- two-phonon state (2002Pi08). $T_{1/2}$: Other: <6 fs from DSAM in (n,n′γ).
4743?	(6^-)		K	J^{π}: from (e,e′). Form factor is significantly different from that expected for a 1^- level, suggesting this level is distinct from the 4742.5 level.
4761.8 *14*	2^+	70 fs *40*	E H K	J^{π}: L(t,p)=2. $T_{1/2}$: from B(E2)=0.0016 *8* measured in (e,e′) if level decays mainly to g.s.

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	J^{π}	$T_{1/2}$[‡]	XREF	Comments
4770.12 *5*	2^+	6.2 fs *27*	I LM	J^{π}: L(p,p′)=2, 2036γ to 3^-, 4771γ to 0^+.
4801.3 *6*	0^+	16 fs *5*	E h KLM o	XREF: E(4794)h(4789)L(4804)o(4800). J^{π}: L(t,p)=0.
4801.4 *10*	1	0.13[@] ps *3*	hI k o	XREF: h(4789)k(4798)o(4800). J^{π}: D 4801γ to 0^+.
4845.62 *3*	$(3)^-$	19 fs *5*	A EF H K M V	XREF: E(4838)V(4850). J^{π}: L(t,p)=(3), log *ft*=5.5 from 2^-.
4853.026 *16*	1^-	0.17 ps *2*	A LM	J^{π}: log *ft*=5.2 from 2^-, 1366γ to 1^+, 4853γ to 0^+. L(p,p′)=(2) is discrepant.
4880.57 *5*	4^+	30 fs *3*	H KLM	XREF: H(4873)K(4873)L(4886). J^{π}: L(d,p)=0+2 on $9/2^+$ target, 3044γ to 2^+.
4914.6 *10*	1[&]	56[@] fs *9*	I	
4923.61 *6*	(2,3,1)	51 fs *10*	H M	J^{π}: (D+Q) 3088γ to 2^+.
4930.6 *5*	$2^+,3^+,4^+$	64 fs *+80−42*	KLM	J^{π}: L(p,p′)=2.
4988.23 *6*	2^+	12 fs *3*	E HI KLM	J^{π}: L(t,p)=2.
5010.59 *4*	$(3,4^+)$	14 fs *3*	F KLM	J^{π}: 558γ to $(4)^+$, 1058γ to $(4)^-$, 1792γ to 2^+.
5076.65 *7*			EF H	
5085.49 *7*	$(2)^+$	6.3 fs *28*	KLM	XREF: L(5091). J^{π}: L(p,p′)=2, (E2) 5086γ to 0^+.
5092.12 *6*	(4^+)	57 fs *8*	F H LM	J^{π}: D 1507γ to 5^-, D 2358γ to 3^-,3256γ to 2^+.
5103.31 *19*	(7)		C Kl W	XREF: K(5109)l(5109). J^{π}: D 1084γ to $(6)^-$.
5113.06 *5*	$(2^+,3)$	5.3 fs *35*	F KlM	XREF: K(5119)l(5109). J^{π}: fed by primary γ from $4^+,5^+$ capture state, D 3277γ to 2^+.
5123.8 *3*	$(1,2^+)$	0.16 ps *+8−5*	lM	J^{π}: 5124γ to 0^+.
5127.40 *9*	(2)	23 fs *7*	lM v	J^{π}: (Q) 5128γ to 0^+.
5136.95 *11*		33 fs *10*	H M v	
5163.91 *14*	2^+	51 fs *13*	E H k M	XREF: H(5157). J^{π}: L(t,p)=2.
5168.80? *5*		23 fs *3*	klM	
5170.1 *3*	(2^+)	48 fs *23*	klM	J^{π}: (E2) 5170γ to 0^+. E(level): measured F(τ) of 5169.9 depopulating transition is sufficiently different from F(τ)′s of γ′s depopulating the 5168.8 level to suggest that the 5170.1 level is distinct.
5199 *8*	4^+		H V	J^{π}: L(d,^{6}Li)=4 on 0^+ target.
5253.92 *7*	(3^-)	33 fs *8*	E KLM	J^{π}: L(t,p)=(3), L(p,p′)=(3).
5263.06 *20*		18 fs *4*	M	
5275.98 *8*	$(1^-,2^+)$	17 fs *4*	M	J^{π}: 1284γ to 0^+, 2542γ to 3^-.
5307.53 *12*	(1)	35 fs *6*	H M	J^{π}: (D) 1315γ to 0^+.
5321.36 *3*	4^+		F KL	J^{π}: L(p,p′)=4, 1737γ to 5^-, 2103γ to 2^+.
5322.39 *7*	(2,3)	104 fs *28*	M	J^{π}: 1095γ to 1, 1687γ to (3^+), 2588γ to 3^-. Possibly identical to the 5321.36 level, however, depopulating transitions observed by (n,γ), E=thermal and (n,n′γ) are different.
5370.5 *3*			C W	
5383 *5*	4^+		E L V	XREF: E(5376)V(5360). J^{π}: L(t,p)=4.
5393.25 *7*	(2^+)	32 fs *12*	M	J^{π}: 941γ to $(4)^+$, 5393γ to 0^+.
5396.0 *3*	(2^+)	0.18 ps *+9−6*	M	J^{π}: (E2) 5396γ to 0^+.
5415.7 *28*	$4^+,5^+$		H K	J^{π}: L(d,p)=0(+2) on $9/2^+$ target.
5424.61 *5*	(3^-)	83 fs *35*	F LM	XREF: L(5419). J^{π}: L(p,p′)=(3), 3589γ to 2^+.
5427.6 *3*	(8)		C W	J^{π}: D 324γ to (7).

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	J^π	$T_{1/2}$[‡]	XREF	Comments
5427.71 *4*	$(4^-,5)$		F	J^π: fed by primary γ from $4^+,5^+$ capture state, 1408γ to $(6)^-$.
5465.0 *21*	4^+		E H K	XREF: E(5470). J^π: L(t,p)=4, L(d,p)=0 on $9/2^+$ target. E(level): from (d,p).
5472.88 *10*	$(2^-,3^-,4^-)$	<0.7 fs	LM	XREF: L(5467). L(p,p′)=(3).
5485.6 *16*	1	0.7 ps *+30−4*	H KLM	J^π: D 5486γ to 0^+.
5498.7 *11*	$(1,2^+)$	>0.7 ps	M	J^π: 5499γ to 0^+.
5517.2 *3*	(1,2,3)	19 fs *+19−15*	M	J^π: (D) 3681γ to 2^+.
5518.23 *5*	4^+		F H KL V	XREF: V(5490). J^π: L(d,p)=0 on $9/2^+$ target. 2300γ to 2^+.
5528.9 *6*			H K	E(level): from (d,p).
5537? *6*	$2^-,3^-,4^-$		L	Possibly identical to 5529 level. J^π: L(p,p′)=3.
5542.20 *10*	(1)	29 fs *10*	M	J^π: (D) 5542γ to 0^+.
5583.3 *3*		>3.3 ps	E LM	
5590.32 *14*	$(1^-,2,3^+)$	45 fs *15*	M	J^π: 2103γ to 1^+, 2856γ to 3^-.
5600.6 *10*	$(1,2^+)$		I	J^π: 5600γ to 0^+.
5614 *6*			L	
5655.3 *3*	(8)	<10[#] ps	CD W	J^π: D 1287γ to (7^-).
5656.50 *10*	$(2^+,3,4^+)$	<12 fs	H LM	J^π: 1357γ to 4^+, 3821γ to 2^+.
5678.34 *14*	$(4)^+$	23 fs *6*	H K M V	J^π: L(d,p)=2(+0) on $9/2^+$ target, L(d,^{6}Li)=(4) on 0^+ target.
5689.00 *4*	$3^+,4^+$	0.29 ps *8*	EF H LM	J^π: L(p,p′)=4, 2955γ to 3^-.
5691.3 *10*	1	38[@] fs *9*	I	J^π: D 5691γ to 0^+.
5693.93 *9*	2^+	67 fs *19*	E M	XREF: E(5699). J^π: 1394γ to 4^+, 5693γ to 0^+.
5706.5 *7*			H	
5710.78 *10*		<9 fs	M	
5730.18 *20*	4^+	>0.2 ps	E H KLM	XREF: E(5724). J^π: L(d,p)=0 on $9/2^+$ target, 3894γ to 2^+.
5738.3 *7*			H	
5772.23 *12*	0^+	25 fs *11*	E H KLM	XREF: E(5766). J^π: L(t,p)=0.
5800.71 *10*	$(1^-,2,3^+)$	32 fs *10*	KLM	XREF: K(5806). J^π: 2314γ to 1^+, 3006γ to 3^-.
5812.08 *6*	3^-	7 fs *5*	EF H KLM	XREF: K(5821). J^π: L(p,p′)=3, fed by primary γ from $4^+,5^+$ capture state, 3976γ to 2^+.
5831.5 *5*	$(1,2^+)$	>1 ps	M	J^π: 5831γ to 0^+.
5835.58 *6*	$(3^-,4^+)$	33 fs *9*	F H LM	J^π: 2251γ to 5^-, 4000γ to 2^+.
5858.5 *6*	$4^+,5^+$		E H KL	J^π: L(p,p′)=4, L(d,p)=2(+0) on $9/2^+$ target; L(t,p)=(3) is discrepant.
5866.0 *4*	$(1,2^+)$	0.9 ps *+9−3*	M	J^π: 5866γ to 0^+.
5876? *8*			H	
5925 *6*			KL	E(level): from (p,p′).
5951.09 *4*	(4^-)		F KL	J^π: 1723γ to (3^-), 1912γ to (3^+), 1931γ to $(6)^-$.
5990.0 *3*	$(1,2^+)$	0.033 ps *9*	I M	J^π: 5989γ to 0^+.
5996.24 *6*	4^+	23 fs *8*	F H KLM	J^π: L(d,p)=0(+2) on $9/2^+$ target, 4160γ to 2^+.
6010.0 *10*	1^-	1.4[@] fs *1*	I L	J^π: E1 6010γ to 0^+.
6011.15 *6*	(2^+)		EF	XREF: E(6005). J^π: L(t,p)=(2).
6011.5? *3*	(3^-)	41 fs *+29−22*	M	E(level): possibly identical to 6011.15 level, however, depopulating transitions observed in (n,n′γ) are

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)†	Jπ	T1/2‡	XREF	Comments
				different.
				Jπ: 2058γ to 5⁻, 2856γ to 0⁺.
6021.5 *5*	+		H	Jπ: L(d,p)=2 on 9/2⁺ target.
6034? *6*			KL	Possibly identical to 6021.5 level.
6052.2 *3*	(2⁺)	>1.1 ps	E H KlM	XREF: H(6047). Jπ: L(t,p)=(2).
6053.86 *21*	(2)⁺	44 fs *16*	lM	Jπ: L(t,p)=(2); L(d,p)=2(+0) on 9/2⁺ target.
6065.7 *4*	+		H	Jπ: L(d,p)=2+0 on 9/2⁺ target.
6074.5? *7*		61 fs *+91−45*	H M	
6099.01 *20*	(3,4⁺)	17 fs *8*	M	Jπ: D 2146γ to (4)⁻, 4263γ to 2⁺.
6101.4 *3*	(1,2⁺)	>0.8 ps	M	Jπ: 6101γ to 0⁺.
6106.00 *24*	(1,2,3)	<0.2 ps	KLM	Jπ: (D) 2070γ to 2⁺.
6125.20 *6*			eF kl	Jπ: L(t,p)=(3). E(level): depopulating transitions observed in (n,n′γ) and (n,γ), E=thermal for levels at ≈6125 keV are different, suggesting two closely spaced levels.
6126.6 *4*		0.26 ps *+26−10*	e klM	Jπ: L(t,p)=(3). E(level): depopulating transitions observed in (n,n′γ) and (n,γ), E=thermal for levels at ≈6125 keV are different, suggesting two closely spaced levels.
6132.92 *17*		<29 fs	K M	
6140.4 *5*	+		H	Jπ: L(d,p)=2 on 9/2⁺ target.
6153.50 *20*	(1⁻)	<0.3 ps	E LM	Jπ: L(t,p)=(1).
6168.1 *6*	(1,2,3)	0.13 ps *+8−5*	M	Jπ: (D) 4332γ to 2⁺.
6173.06 *9*	(1,2⁺)	15 fs *7*	H M	Jπ: 2180γ to 0⁺.
6188.0 *5*			H	
6200.63 *20*	1⁺	3.5@ fs *5*	I K M	Jπ: M1 6202γ to 0⁺.
6213.9 *7*	1⁻	0.247@ fs *15*	E I lM	T1/2: Other: 0.4 ps *+43−2* from DSAM in (n,n′γ). Jπ: E1 6214γ to 0⁺.
6216 *4*	4⁺,5⁺		H l	Jπ: L(d,p)=0 on 9/2⁺ target.
6233.8 *6*	(⁻)		H	Jπ: L(d,p)=(1) on 9/2⁺ target.
6235.50 *17*	(7)		C W	Jπ: D 1714γ to (6)⁻.
6241.5 *4*			H	
6249.26 *7*	(2⁻,3⁺)		F H	Jπ: 2297γ to (4)⁻, 2764γ to 1⁺.
6257.85 *9*	3⁺		F H L	Jπ: L(p,p′)=4, 2771γ to 1⁺.
6270 *4*	(2⁺)		E	Jπ: L(t,p)=(2).
6282.8 *4*	3⁺,4⁺,5⁺		H	Jπ: L(p,p′)=4.
6292.9? *11*			H L	E(level): from (d,p).
6302.1 *4*	(2⁺)		E H	XREF: E(6307). Jπ: L(t,p)=(2). E(level): from (d,p).
6333.44 *10*	1⁻	0.160@ fs *10*	I	Jπ: E1 6335γ to 0⁺.
6346.45 *20*	1⁻	1.4@ fs *1*	I	Jπ: E1 6346γ to 0⁺.
6350.7 *5*	+		H K	Jπ: L(d,p)=2 on 9/2⁺ target. E(level): from (d,p).
6362 *6*			E L	E(level): from (p,p′).
6367.0 *10*	(1,2⁺)		I	Jπ: 6367γ to 0⁺.
6378.1 *4*	(⁺)		H	Jπ: L(d,p)=(2) on 9/2⁺ target.
6382.0 *10*	1&	18@ fs *5*	I	
6397.7 *4*			H	
6417.3 *3*	+		H KL	XREF: K(6411). Jπ: L(d,p)=2 on 9/2⁺ target.
6430.8 *4*			E H	

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)†	J^π	$T_{1/2}$‡	XREF	Comments
6462 *3*	+		H	J^π: L(d,p)=2 on $9/2^+$ target.
6471.05 *22*	$(^+)$		H L	J^π: L(d,p)=(2) on $9/2^+$ target.
6507.74 *6*	(4^+)		F H K	XREF: K(6498). J^π: L(d,p)=(0) on $9/2^+$ target, 3773γ to 3^-.
6518.83 *21*	(2^+)		E H L	XREF: E(6512). J^π: L(t,p)=(2). E(level): from (d,p).
6542.9 *3*			H	
6551.5 *3*	$(3,4,5)^+$		H KL	XREF: K(6558). J^π: L(p,p′)=4.
6565.94 *22*			H v	
6575.25 *23*			H v	
6583.70 *5*	$(1^-,2,3^+)$		EF	J^π: 3850γ to 3^-, 3097γ to 1^+.
6591.7 *9*	1&	5.2@ fs *13*	I K	
6612.75 *6*	$2^-,3^-$		EF L	XREF: E(6605). J^π: L(p,p′)=3, 3125γ to 1^+.
6618.12 *23*	+		H	J^π: L(d,p)=2 on $9/2^+$ target.
6622.96 *23*			H	
6627.24 *24*			H	
6634.59 *20*	+		H	J^π: L(d,p)=2 on $9/2^+$ target.
6640 *6*	$(0^-,1^-,2^-)$		L	J^π: L(p,p′)=(1).
6666.2? *3*			H l v	
6672.17 *26*			H l v	
6692.46 *7*	$(3^+,2^+)$		EF H	J^π: 2241γ to $(4)^+$, 3205γ to 1^+, fed by primary γ from $4^+,5^+$ capture state.
6710.4 *7*	1&	0.0025@ ps *13*	HI L	XREF: L(6703).
6739 *5*	+		E H L	XREF: L(6746). J^π: L(d,p)=2 on $9/2^+$ target.
6770 *6*			L	
6782.69 *19*	+		H	J^π: L(d,p)=2 on $9/2^+$ target.
6798.23 *22*			H L	
6806.89 *6*	(4^+)		EF H	J^π: L(t,p)=(4).
6814.7 *3*			H	
6831.9 *4*	+		H	J^π: L(d,p)=2 on $9/2^+$ target.
6840.64 *17*	(8)		C W	J^π: D 605γ to (7).
6854.6 *3*	1&	2.1@ fs *4*	HI l v	
6874 *10*			E l v	E(level): from (t,p).
6897 *5*			E L	E(level): weighted average of 6892 *10* from (t,p) and 6899 *6* from (p,p′).
6910.7 *4*			H	
6916.68 *7*	$(3^-,2^+)$		F H	J^π: fed by primary γ from $4^+,5^+$ capture state, weak 6916γ to 0^+.
6938.6 *5*	+		H	J^π: L(d,p)=2 on $9/2^+$ target.
6961.5 *5*	$3^+,4^+,5^+$		H L	XREF: L(6973). J^π: L(p,p′)=4. E(level): from (d,p).
6987	1^-&	0.81@ fs *7*	I	
7011.2 *4*			e H K	XREF: K(7000).
7022.6 *4*	$3^+,4^+,5^+$		e H L	J^π: L(p,p′)=4.
7056 *8*	$2^-,3^-,4^-$		L	J^π: L(p,p′)=3.
7060.5 *5*	+		H	J^π: L(d,p)=(2) on $9/2^+$ target.
7071.64 *28*			H	
7089.11 *10*	1^-&	0.109@ fs *7*	I	
7103.2 *4*			H L	
7119.3 *3*	(10)		C W	J^π: Q 1464γ to (8).

Continued on next page (footnotes at end of table)

Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	J^{π}	$T_{1/2}$[‡]	XREF	Comments
7129.3 *7*			W	
7138.84 *6*	(4^{+})		F H	J^{π}: L(d,p)=(2) on $9/2^{+}$ target, 3554γ to 5^{-}, 5303γ to 2^{+}.
7169.21 *20*	1[&]	2.9[@] fs *5*	I L	
7194.7 *4*	$^{+}$		H L	J^{π}: L(d,p)=2 on $9/2^{+}$ target. E(level): from (d,p).
7207.88 *6*	$(3,4^{+},2^{+})$		F	J^{π}: fed by primary γ from 4^{+},5^{+} capture state, 5372γ to 2^{+}.
7223 *5*	$(^{+})$		H	J^{π}: L(d,p)=(2) on $9/2^{+}$ target.
7255 *6*			H L	E(level): weighted average of 7251 *10* in (d,p) and 7257 *8* in (p,p′).
7281.8 *3*	1^{-}[&]	0.55[@] fs *5*	I	
7299.9 *3*	$(1)^{-}$[&]	1.11[@] fs *16*	I K	
7330.55 *19*	(9)		C W	J^{π}: D 490γ to (8).
7333 *6*			H L	E(level): weighted average of 7337 *10* in (d,p) and 7330 *8* in (p,p′).
7360 *8*			L	
7402 *8*			L	
7427 *6*	$^{+}$		H L	J^{π}: L(d,p)=4 on $9/2^{+}$ target. E(level): weighted average of 7426 *10* in (d,p) and 7427 *8* in (p,p′).
7434.2 *3*	(10)		C W	J^{π}: Q 1779γ to (8).
7460 *8*			L	
7481 *8*			L	
7492.8 *3*	1^{-}[&]	2.5[@] fs *7*	I	
7526 *8*			L	
7533.95 *20*	1^{-}[&]	0.32[@] fs *3*	I	
7573.20 *6*	$(3,4^{+},2^{+})$		F H L	XREF: H(7561). J^{π}: fed by primary γ from 4^{+},5^{+} capture state, 5737γ to 2^{+}.
7591.4 *3*	1^{-}[&]	0.91[@] fs *15*	HI	
7623 *8*			L	
7640 *10*			H	
7641.86 *21*	(10)		C W	J^{π}: D 311γ to (9).
7679 *6*			H L	E(level): weighted average of 7674 *10* in (d,p) and 7682 *8* in (p,p′).
7749 *6*			H KL	E(level): weighted average of 7742 *10* in (d,p) and 7753 *8* in (p,p′).
7774.8 *3*	(11)		C W	J^{π}: D 341γ to (10).
7807.8 *3*	1^{-}[&]	0.54[@] fs *8*	I L	XREF: L(7819).
7838.27 *20*	1^{-}[&]	0.221[@] fs *22*	HI L	XREF: L(7847).
7877.3 *3*	$(1)^{-}$[&]	0.65[@] fs *11*	HI L	XREF: H(7889)L(7874).
7908.76 *23*	(11)		C W	J^{π}: (D) 267γ to (10).
7911 *8*			L	
7964.19 *20*	1^{-}[&]	0.31[@] fs *3*	HI L	
7987.59 *20*	1^{-}[&]	0.52[@] fs *7*	I	
8003 *10*			H	
8040.79 *10*	1^{-}[&]	0.138[@] fs *13*	I L	
8069 *8*	$(0^{+},1^{+})$		L	J^{π}: L(p,p′)=(0).
8094.8 *4*	(12)	<5.1 ps	C W	J^{π}: (D) 320γ to (11). $T_{1/2}$: effective half-life from DSAM in ^{80}Se(^{11}B,p2nγ); feeding corrections have not been incorporated.

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	J^π	$T_{1/2}$[‡]	XREF	Comments
8109.5 *3*	1^-[&]	0.54[@] fs *9*	HI L	XREF: H(8103)L(8119).
8142 *10*			H	
8171 *8*	$(0^+,1^+)$		L	J^π: L(p,p′)=(0).
8180.7 *3*	1^-[&]	0.48[@] fs *6*	I	
8191.11 *20*	1^-[&]	0.33[@] fs *4*	I L	XREF: L(8200).
8215.31 *20*	1^-[&]	0.35[@] fs *4*	I	
8228 *8*			L	
8271.5 *3*	1^-[&]	0.54[@] fs *9*	I L	XREF: L(8268). J^π: L(p,p′)=(0) is discrepant.
8276.1 *5*	(13)		C W	J^π: D 181γ to (12).
8302 *8*	$(0^+,1^+)$		L	J^π: L(p,p′)=(0).
8325.7 *3*	1^-[&]	0.39[@] fs *6*	I	
8336.3 *4*	(12)	<2.4 ps	C	$T_{1/2}$: effective half-life from DSAM in ^{80}Se(^{11}B,p2nγ); feeding corrections have not been incorporated. J^π: (D) 561γ to (11).
8374.9? *5*			C	
8375.8 *6*	1[&]	1.2[@] fs *4*	I	
8407.0 *4*	1[&]	0.75[@] fs *16*	I	
8437.2 *4*	(12)	0.55 ps *21*	C W	$T_{1/2}$: from DSAM in ^{80}Se(^{11}B,p2nγ). J^π: D 528γ to (11).
8453.4 *3*	1^-[&]	0.20[@] fs *3*	HI l	XREF: l(8470).
8469.0 *3*	1^-[&]	0.62[@] fs *12*	I l	XREF: l(8470).
8500.8 *3*	1[&]	0.35[@] fs *5*	HI	XREF: H(8493).
8517.9 *8*			W	
8518.8 *4*	1^-	0.67 fs *15*	HI	J^π: E1 8518γ to 0^+.
8553.0? *9*		1.7[@] fs *5*	I L	
8561.3? *6*		0.83[@] fs *18*	I	
8580.6? *5*		1.0[@] fs *2*	I	
8588.8 *4*		0.58[@] fs *12*	I	
8626.3 *10*		1.3[@] fs *4*	I	
8668.7 *6*	1[&]	1.2[@] fs *2*	I L	
8682.0 *6*	1[&]	2.5[@] fs *6*	I	
8713.7 *9*	1^-[&]	0.6[@] fs *3*	I	
8735.8 *9*		0.74[@] fs *12*	I	
8754.6 *8*	1[&]	0.52[@] fs *9*	I	
8764.7 *5*		2.4[@] fs *6*	I	
8779.8 *6*		0.95[@] fs *18*	I L	
8791.9 *6*	1[&]	0.97[@] fs *19*	I	
8840.1 *4*		0.61[@] fs *11*	I	
8850.6 *12*		2.9[@] fs *9*	I	
8874.4 *5*	1[&]	1.5[@] fs *3*	I	
8928.5 *3*	1^-[&]	0.21[@] fs *3*	I L	
8935.9 *4*	(13)		C	J^π: D 600γ to (12).
8980.8 *6*		0.67[@] fs *12*	I	
9019.2 *6*		1.6[@] fs *4*	I l	
9043.6 *4*	1^-[&]	0.33[a] fs *9*	I l	
9069.7 *6*	1^-[&]	0.61[@] fs *11*	I	

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	Jπ	$T_{1/2}$[‡]	XREF	Comments
9078.3 *3*	1^{-}[&]	0.37[@] fs *6*	I	
9098.3 *7*	1[&]	1.2[@] fs *4*	I	
9116.3 *5*		0.52[@] fs *8*	I	
9125.1 *3*	1[&]	0.34[@] fs *5*	I L	
9148.31 *20*	1^{-}[&]	0.183[@] fs *22*	I	
9191.42 *14*	1^{-}[&]	0.123[a] fs *23*	I	
9214.4 *7*	1[&]	0.72[@] fs *14*	I	
9255.2 *9*	1[&]	1.6[@] fs *6*	I L	
9305.7 *3*	1^{-}[&]	0.157[@] fs *22*	I	
9341.1 *3*	1^{-}[&]	0.55[@] fs *9*	I L	
9384.6 *7*	1[&]	0.71[@] fs *13*	I	
9393.3 *5*	1[&]	0.42[@] fs *7*	I	
9402.4 *5*	1[&]	0.55[@] fs *9*	I	
9410.1 *6*	(13)		C	Jπ: D 973γ to (12).
9431.8 *10*	1[&]	0.58[@] fs *12*	I	
9445.5 *4*	1^{-}[&]	0.163[@] fs *23*	I L	
9470.5 *4*	(1^{-})[&]	0.26[@] fs *4*	I	
9478.8 *4*	$1^{(-)}$[&]	0.33[a] fs *9*	I	
9497.05 *20*	1^{-}[&]	0.104[@] eV *12*	I	
9528.3 *4*	(14)	0.28 ps *10*	C	$T_{1/2}$: from DSAM in $^{80}Se(^{11}B,p2n\gamma)$. Jπ: D 592γ to (13).
9550.8 *7*		1.1[@] fs *4*	I	
9568.3 *5*	1[&]	0.44[@] fs *8*	I	
9576.8 *11*		1.2[@] fs *3*	I L	
9597.9 *11*	1[&]	1.1[@] fs *3*	I	
9616.3 *6*	1[&]	0.54[@] fs *10*	I	
9646.1 *8*		1.8[@] fs *5*	I	
9704.1 *5*	1^{-}[&]	0.23[@] fs *5*	I L	
9728.2 *18*		2.3[@] fs *10*	I	
9738.1 *16*	1[&]	0.72[@] fs *18*	I	
9746.0 *6*	1^{-}[&]	0.18[@] fs *3*	I	
9804.7 *9*	1[&]	1.1[@] fs *3*	I	
9816.5 *3*	1^{-}[&]	0.39[@] fs *7*	I	
9881.2 *4*	$1^{(-)}$[&]	0.26[@] fs *4*	I L	
9944.1 *8*	1^{-}[&]	0.46[@] fs *8*	I	
9953.3 *5*		0.32[@] fs *5*	I	
9965.8 *6*	$1^{(-)}$[&]	0.52[@] fs *9*	I	
9977.9 *5*	(15)	0.17 ps *+10−3*	C	$T_{1/2}$: from DSAM in $^{80}Se(^{11}B,p2n\gamma)$. Jπ: D 450γ to (14).
10056.3 *4*	1[&]	0.61[@] fs *10*	I	
10089.2 *10*		1.5[@] fs *5*	I	
10106.9 *8*	1[&]	0.86[@] fs *23*	I	
10128.2 *7*		0.93[@] fs *21*	I L	
10139.5 *8*		1.06[@] fs *24*	I	

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	J$^{\pi}$	T$_{1/2}$[‡]	XREF	Comments
10150.3 *8*		0.88[@] fs *24*	I	
10184.0 *4*		3.5[@] fs *11*	I	
10248.6 *4*	1[&]	1.6[@] fs *4*	I	
10288.6 *7*	1$^{(-)}$[&]	0.45[@] fs *9*	I	
10297.7 *13*		1.1[@] fs *3*	I	
10326.7 *6*		1.9[@] fs *6*	I	
10341.3 *6*		1.7[@] fs *6*	I	
10372.5 *5*		0.5[@] fs *5*	I	
10406.6 *14*		0.35[@] fs *24*	I	
10421.1 *10*		0.8[@] fs *6*	I	
10453.2 *12*		1.3[@] fs *5*	I	
10481.1 *9*		1.1[@] fs *3*	I	
10512.1 *19*		0.77[@] fs *22*	I	
10522.7 *5*	1[&]	0.18[@] fs *3*	I	
10550.3 *5*	1[&]	0.40[@] fs *7*	I	
10600.2 *16*		0.61[@] fs *17*	I	
10608.7 *14*		0.41[@] fs *11*	I	
10644.1 *8*	1^{-}[&]	0.30[@] fs *6*	I	
10657.8 *16*	1[&]	0.38[@] fs *13*	I	
10698.4 *8*		1.2[@] fs *4*	I	
10726.4 *15*	1[&]	0.8[@] fs *3*	I	
10739.4 *6*	(16)	<4.2 ps	C	T$_{1/2}$: effective half-life from DSAM in ^{80}Se(^{11}B,p2nγ); feeding corrections have not been incorporated. J$^{\pi}$: D 762γ to (15).
10744.9 *8*		0.80[@] fs *22*	I	
10759.7 *16*		1.0[@] fs *3*	I	
10767.1 *15*	1[&]	0.7[@] fs *3*	I	
10783.6 *5*	1[&]	0.18[@] fs *4*	I	
10804.8 *4*		0.27[a] fs *11*	I	
10857.4 *4*		1.7[@] fs *4*	I	
10888.4 *9*		0.51[a] fs *22*	I	
10914.6 *5*	1[&]	0.35[@] fs *7*	I	
10929.9 *7*		0.50[@] fs *12*	I	
10950.4 *6*		0.43[@] fs *9*	I	
10979.7 *12*		0.9[@] fs *4*	I	
11012.0 *5*	1[&]	0.20[@] fs *3*	I	
11059.0 *11*		0.75[@] fs *23*	I	
11083.1 *8*		0.46[a] fs *18*	I	
11111.8 *16*	1[&]	0.53[@] fs *17*	I	
11125.4 *14*	1[&]	0.43[@] fs *14*	I	
11169.6 *8*		0.46[a] fs *18*	I	
11224.2 *13*		1.0[@] fs *5*	I	
11251.8 *12*		0.68[@] fs *21*	I	
11278.9 *10*	1[&]	0.30[@] fs *7*	I	

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Adopted Levels, Gammas (continued)

^{88}Sr Levels (continued)

E(level)[†]	J^{π}	$T_{1/2}$[‡]	XREF	Comments
11313.8 *6*		0.22[@] fs *12*	I	
11326 *3*		2.2[@] fs *8*	I	
11335.3 *13*	1[&]	0.11[@] fs *4*	I	
11355 *3*		0.15[@] fs *7*	I	
11356.1? *7*	(17)		C	J^{π}: D 617γ to (16).
11370 *3*	1[&]	0.14[@] fs *5*	I	
11393.6 *6*	1[&]	0.75[@] fs *18*	I	
11413.2 *15*		0.9[@] fs *4*	I	
11548.0 *7*		2.0[@] fs *6*	I	
11593.7 *16*		1.7[@] fs *6*	I	
11607.6 *12*		1.2[@] fs *4*	I	
11633.0 *14*		1.7[@] fs *5*	I	
11658.0 *16*		2.2[@] fs *8*	I	
11743.1 *14*		1.3[@] fs *4*	I	
11782.4 *14*		1.5[@] fs *6*	I	
11920.6 *7*		1.2[@] fs *3*	I	
11935.5 *10*		2.2[@] fs *7*	I	
11958.9 *14*		4.1[@] fs *19*	I	
12026.5 *10*		2.0[@] fs *7*	I	
15645[b]	(2^-)[b]	35 keV *5*	P	
15674[b]	(3^-)[b]	27 keV *5*	P	
15918[b]	(4^-)[b]	31 keV *4*	P	
16500[b]	(2^-)[b]	28 keV *5*	P	
17.2×10^3[b]			P	
17.8×10^3[b]			P	
19.2×10^3[b]			P	
20.5×10^3[b]			P	

† From least-squares fit to Eγ for levels with γ-ray information.
‡ From Doppler-shift attenuation method in (n,n′γ), except where noted.
\# From Doppler-shift attenuation method in ^{86}Kr(α,2nγ).
@ From (γ,γ') assuming γ branching ratio to g.s. equal to 100%.
& From D, M1, or E1 γ to 0^+ g.s.
a Calculated from Γ_0^2/Γ using the adopted branching ratios.
b Isobaric analog resonance.

Adopted Levels, Gammas (continued)

$\gamma(^{88}Sr)$

E_i(level)	J_i^π	E_γ†	I_γ†	E_f	J_f^π	Mult.‡	δ	α	Comments
1836.090	2^+	1836.063 *12*	100	0	0^+	E2		3.93×10^{-4}	α(K)=0.0001449 *21*; α(L)=1.550×10^{-5} *22*; α(M)=2.60×10^{-6} *4*; α(N)=3.27×10^{-7} *5*; α(O)=2.15×10^{-8} *3* B(E2)(W.u.)=7.6 *4* Mult.: from $\gamma(\theta)$ and $\gamma(\theta)$(lin pol) in (γ,γ'); α(K)exp in ^{88}Y ε decay. E_γ: from ^{88}Y ε decay.
2734.137	3^-	898.042 *3*	100.00 *17*	1836.090	2^+	E1		3.07×10^{-4}	α(K)=0.000273 *4*; α(L)=2.92×10^{-5} *4*; α(M)=4.89×10^{-6} *7*; α(N)=6.14×10^{-7} *9*; α(O)=4.02×10^{-8} *6* B(E1)(W.u.)=6.6×10^{-4} *5* Mult.: from $\gamma(\theta)$ and α(K)exp in ^{88}Y ε decay. E_γ: from ^{88}Y ε decay. δ: δ(M2/E1)=−0.002 *9* from ^{88}Y ε decay.
		2734.086 *13*	0.69 *4*	0	0^+	(E3)		5.64×10^{-4}	α(K)=0.0001098 *16*; α(L)=1.176×10^{-5} *17*; α(M)=1.97×10^{-6} *3*; α(N)=2.48×10^{-7} *4* α(O)=1.639×10^{-8} *23* B(E3)(W.u.)=22.6 *21* E_γ: from ^{88}Rb β^- decay. Mult.: from α(IPF) in ^{88}Y ε decay.
3156.19	0^+	1320.1 *1*	100	1836.090	2^+	E2		3.46×10^{-4}	α(K)=0.000278 *4*; α(L)=3.00×10^{-5} *5*; α(M)=5.04×10^{-6} *7*; α(N)=6.33×10^{-7} *9*; α(O)=4.13×10^{-8} *6* B(E2)(W.u.)=4.0 *+15−14* Mult.: Q from $\gamma(\theta)$ in (n,n′γ), M2 excluded by comparison to RUL.
3218.489	2^+	484.44 *12*	2.3 *10*	2734.137	3^-	[E1]		1.22×10^{-3}	α(K)=0.001078 *16*; α(L)=0.0001165 *17*; α(M)=1.95×10^{-5} *3*; α(N)=2.44×10^{-6} *4* α(O)=1.575×10^{-7} *22* B(E1)(W.u.)=0.00034 *15*
		1382.41 *3*	100 *4*	1836.090	2^+	M1+E2	+0.04 *2*	3.25×10^{-4}	α(K)=0.000255 *4*; α(L)=2.73×10^{-5} *4*; α(M)=4.58×10^{-6} *7*; α(N)=5.77×10^{-7} *8*; α(O)=3.82×10^{-8} *6* B(E2)(W.u.)=0.038 *3*; B(M1)(W.u.)=0.041 *3* Mult.: D+Q from $\gamma\gamma(\theta)$ in ^{88}Rb β^- decay, $\Delta\pi$=no from level scheme. δ: from $\gamma\gamma(\theta)$ in ^{88}Rb β^- decay. Other: +0.01 *3* from $\gamma(\theta)$ in (n,n′γ).
		3218.46 *6*	28.9 *16*	0	0^+	E2		9.30×10^{-4}	α(K)=5.45×10^{-5} *8*; α(L)=5.77×10^{-6} *8*; α(M)=9.67×10^{-7} *14*; α(N)=1.219×10^{-7} *17*; α(O)=8.08×10^{-9} *12* B(E2)(W.u.)=0.100 *10*
3378.2	1	3378.1	100	0	0^+	D			
3486.56	1^+	3486.43 *8*	100	0	0^+	M1		9.66×10^{-4}	α(K)=4.69×10^{-5} *7*; α(L)=4.96×10^{-6} *7*; α(M)=8.32×10^{-7} *12*;

$^{88}_{38}Sr_{50}$-12

Adopted Levels, Gammas (continued)

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^π_i	E_γ†	I_γ†	E_f	J^π_f	Mult.‡	δ	α	Comments
									α(N)=1.049×10^{-7} *15*; α(O)=6.97×10^{-9} *10* B(M1)(W.u.)=0.187 *17*
3522.77	(2$^+$)	1687.35 *19*	100 *5*	1836.090	2$^+$				
		3523.4 *3*	57 *4*	0	0$^+$	(E2)		1.04×10^{-3}	α(K)=4.71×10^{-5} *7*; α(L)=4.98×10^{-6} *7*; α(M)=8.35×10^{-7} *12*; α(N)=1.053×10^{-7} *15*; α(O)=6.98×10^{-9} *10* B(E2)(W.u.)=0.35 *12*
3584.784	5$^-$	850.647 *24*	100	2734.137	3$^-$	E2		8.53×10^{-4}	α(K)=0.000754 *11*; α(L)=8.28×10^{-5} *12*; α(M)=1.390×10^{-5} *20*; α(N)=1.739×10^{-6} *25* α(O)=1.114×10^{-7} *16* B(E2)(W.u.)=0.39 *12* E_γ: from (n,γ), E=thermal. Mult.: Q from $\gamma(\theta)$ in ^{80}Se(^{11}B,p2nγ), M2 excluded by comparison to RUL.
3635.09	(3)$^+$	416.74 *18*	3.86 *22*	3218.489	2$^+$	M1(+E2)		0.0053 *13*	α(K)=0.0046 *11*; α(L)=0.00052 *14*; α(M)=8.8×10^{-5} *23*; α(N)=1.1×10^{-5} *3*; α(O)=6.8×10^{-7} *15* B(M1)(W.u.)=0.015 *3* Mult.: D(+Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
		1799.04 *12*	100.0 *2*	1836.090	2$^+$	M1+E2&	−0.08@ *2*	3.53×10^{-4}	α(K)=0.0001525 *22*; α(L)=1.626×10^{-5} *23*; α(M)=2.73×10^{-6} *4*; α(N)=3.44×10^{-7} *5*; α(O)=2.28×10^{-8} *4* B(E2)(W.u.)=0.010 *6*; B(M1)(W.u.)=0.0048 *+14−9*
3952.636	(4)$^-$	1218.505 *25*	100	2734.137	3$^-$	M1+E2&	−0.11@ *2*	3.80×10^{-4}	α(K)=0.000329 *5*; α(L)=3.53×10^{-5} *5*; α(M)=5.93×10^{-6} *9*; α(N)=7.47×10^{-7} *11*; α(O)=4.93×10^{-8} *7* B(E2)(W.u.)=0.14 *+13−7*; B(M1)(W.u.)=0.015 *+14−6* E_γ: from (n,γ), E=thermal.
3992.42	(0$^+$)	505.9 *1*	100.0 *5*	3486.56	1$^+$	M1		0.00255	α(K)=0.00226 *4*; α(L)=0.000247 *4*; α(M)=4.15×10^{-5} *6*; α(N)=5.21×10^{-6} *8*; α(O)=3.41×10^{-7} *5* B(M1)(W.u.)<0.31 Mult.: D from comparison to RUL, $\Delta\pi$=no from level scheme.
		2156.0 *2*	15.3 *5*	1836.090	2$^+$	[E2]		5.05×10^{-4}	α(K)=0.0001079 *16*; α(L)=1.150×10^{-5} *17*; α(M)=1.93×10^{-6} *3*; α(N)=2.43×10^{-7} *4* α(O)=1.602×10^{-8} *23* B(E2)(W.u.)<0.14
4019.56	(6)$^-$	434.89 *6*	100	3584.784	5$^-$	M1+E2#	+0.25 *3*	0.00376	α(K)=0.00333 *6*; α(L)=0.000366 *6*; α(M)=6.16×10^{-5} *10*; α(N)=7.72×10^{-6} *13*; α(O)=5.00×10^{-7} *8* B(E2)(W.u.)>7; B(M1)(W.u.)>0.025

$\gamma(^{88}$Sr) (continued)

E_i(level)	J^π_i	E_γ [†]	I_γ [†]	E_f	J^π_f	Mult. [‡]	α	Comments
4035.52	2^+	2200.4	19 *4*	1836.090	2^+			
		4035.5 *1*	100	0	0^+	E2	1.23×10^{-3}	α(K)=3.81×10^{-5} *6*; α(L)=4.02×10^{-6} *6*; α(M)=6.74×10^{-7} *10*; α(N)=8.50×10^{-8} *12*; α(O)=5.64×10^{-9} *8* B(E2)(W.u.)=1.3 *3*
4039.04	$(3)^+$	1304.90 *4*	21.1 *5*	2734.137	3^-	E1 [@]	2.66×10^{-4}	α(K)=0.0001359 *19*; α(L)=1.446×10^{-5} *21*; α(M)=2.42×10^{-6} *4*; α(N)=3.05×10^{-7} *5*; α(O)=2.00×10^{-8} *3* B(E1)(W.u.)=0.00032 *3* δ: δ(M2/E2)=+0.5 *+5−2* from $\gamma(\theta)$ in (n,n′γ) results in M2 transition strength which exceeds RUL.
		2202.92 *7*	100.00 *24*	1836.090	2^+	M1+E2 [&]	5.01×10^{-4} *24*	α(K)=0.0001041 *15*; α(L)=1.109×10^{-5} *16*; α(M)=1.86×10^{-6} *3*; α(N)=2.34×10^{-7} *4* α(O)=1.550×10^{-8} *23* δ: +0.20 *10* or +1.5 *+3−2* from $\gamma(\theta)$ in (n,n′γ).
4170.41	(3^-)	585.626 *25*	100.0 *5*	3584.784	5^-	[E2]	0.00231	α(K)=0.00204 *3*; α(L)=0.000228 *4*; α(M)=3.83×10^{-5} *6*; α(N)=4.77×10^{-6} *7*; α(O)=2.98×10^{-7} *5* B(E2)(W.u.)=1.9×10^2 *+12−11* E_γ: from (n,γ), E=thermal.
		1436.27 *4*	12.8 *5*	2734.137	3^-			E_γ: from (n,γ), E=thermal. I_γ: from (n,n′γ). Other: 31 *5* in (n,γ), E=thermal.
		4170.71 *20*	0.71 *7*	0	0^+	[E3]	9.95×10^{-4}	α(K)=5.08×10^{-5} *8*; α(L)=5.39×10^{-6} *8*; α(M)=9.05×10^{-7} *13*; α(N)=1.140×10^{-7} *16*; α(O)=7.56×10^{-9} *11* B(E3)(W.u.)=0.5 *3* E_γ: not observed in (n,n′γ).
4224.10		1005.6 [d] *1*		3218.489	2^+			E_γ: tentative placement from (n,n′γ) based solely on level energy differences.
		2388.0 *6*		1836.090	2^+			E_γ: not observed in (n,n′γ).
4226.98	1	4226.6	100	0	0^+	D		
4227.20	(3^-)	1008.7 *1*	6.4 *4*	3218.489	2^+	[E1]	2.45×10^{-4}	α(K)=0.000217 *3*; α(L)=2.32×10^{-5} *4*; α(M)=3.89×10^{-6} *6*; α(N)=4.89×10^{-7} *7*; α(O)=3.20×10^{-8} *5* B(E1)(W.u.)=1.8×10^{-4} *6*
		1493.01 *4*	33.1 *4*	2734.137	3^-			
		2391.0 *3*	100.0 *4*	1836.090	2^+	(E1)	9.43×10^{-4}	α(K)=5.23×10^{-5} *8*; α(L)=5.52×10^{-6} *8*; α(M)=9.25×10^{-7} *13*; α(N)=1.165×10^{-7} *17*; α(O)=7.71×10^{-9} *11* B(E1)(W.u.)=2.1×10^{-4} *7* Mult.: D from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
4262.9	$(1,2^+)$	4262.8	100	0	0^+			
4268.70	$(3^-,4,5^-)$	683.97 *5*	31.6 *11*	3584.784	5^-			I_γ: from (n,n′γ). Other: <17 for multiply placed transition in (n,γ), E=thermal.
		1534.42 *7*	100.0 *11*	2734.137	3^-			

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$\gamma(^{88}Sr)$ (continued)

E_i(level)	J_i^π	E_γ†	I_γ†	E_f	J_f^π	Mult.‡	α	Comments
4299.52	4^+	1565.40 *9*	86.2 *9*	2734.137	3^-	E1@	4.10×10^{-4}	α(K)=0.0001000 *14*; α(L)=1.062×10^{-5} *15*; α(M)=1.779×10^{-6} *25*; α(N)=2.24×10^{-7} *4* α(O)=1.475×10^{-8} *21* B(E1)(W.u.)=0.00137 *23* I_γ: from (n,n′γ). δ: δ(M2/E1)=+0.05 *5* from $\gamma(\theta)$ in (n,n′γ).
		2463.51 *19*	100.0 *9*	1836.090	2^+	E2@	6.29×10^{-4}	α(K)=8.53×10^{-5} *12*; α(L)=9.07×10^{-6} *13*; α(M)=1.521×10^{-6} *22*; α(N)=1.92×10^{-7} *3*; α(O)=1.266×10^{-8} *18* B(E2)(W.u.)=4.8 *8* I_γ: from (n,n′γ).
4353.95	(3^-)	768.8 *1*	42.9 *6*	3584.784	5^-	[E2]	1.10×10^{-3}	α(K)=0.000973 *14*; α(L)=0.0001074 *15*; α(M)=1.80×10^{-5} *3*; α(N)=2.25×10^{-6} *4* α(O)=1.435×10^{-7} *20* B(E2)(W.u.)=38 *+10−9*
		1135.8 *1*	100.0 *5*	3218.489	2^+	(E1)	2.11×10^{-4}	α(K)=0.0001741 *25*; α(L)=1.86×10^{-5} *3*; α(M)=3.11×10^{-6} *5*; α(N)=3.91×10^{-7} *6*; α(O)=2.57×10^{-8} *4* B(E1)(W.u.)=2.2×10^{-4} *+6−5* Mult.: D from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
		2518.1 *4*	8.6 *5*	1836.090	2^+	[E1]	1.02×10^{-3}	α(K)=4.85×10^{-5} *7*; α(L)=5.12×10^{-6} *8*; α(M)=8.58×10^{-7} *12*; α(N)=1.082×10^{-7} *16*; α(O)=7.16×10^{-9} *10* B(E1)(W.u.)=1.8×10^{-6} *+5−4*
4367.94	(7^-)	348.42 *8*	100.0 *20*	4019.56	$(6)^-$	(M1)	0.00622	α(K)=0.00550 *8*; α(L)=0.000607 *9*; α(M)=0.0001020 *15*; α(N)=1.280×10^{-5} *18* α(O)=8.32×10^{-7} *12* B(M1)(W.u.)>0.046 Mult.: D from $\gamma(\theta)$ in ^{80}Se(^{11}B,p2nγ), D(+Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
		782.9 *3*	11.8 *8*	3584.784	5^-	(E2)	1.05×10^{-3}	α(K)=0.000929 *13*; α(L)=0.0001024 *15*; α(M)=1.719×10^{-5} *25*; α(N)=2.15×10^{-6} *3* α(O)=1.370×10^{-7} *20* B(E2)(W.u.)>0.87
4413.96	$(2)^+$	891.31 *12*	11.9 *23*	3522.77	(2^+)			E_γ: observed only in (n,γ), E=thermal.
		1679.65 *9*	34.9 *10*	2734.137	3^-	[E1]	4.89×10^{-4}	α(K)=8.93×10^{-5} *13*; α(L)=9.47×10^{-6} *14*; α(M)=1.586×10^{-6} *23*; α(N)=2.00×10^{-7} *3*; α(O)=1.317×10^{-8} *19* B(E1)(W.u.)=0.00105 *20*
		2577.78 *5*	100.0 *4*	1836.090	2^+	(M1)	6.20×10^{-4}	α(K)=7.87×10^{-5} *11*; α(L)=8.36×10^{-6} *12*; α(M)=1.401×10^{-6} *20*; α(N)=1.767×10^{-7} *25* α(O)=1.172×10^{-8} *17*

$^{88}_{38}Sr_{50}$-15

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[†]	E_f	J^π_f	Mult.[‡]	δ	α	Comments
									B(M1)(W.u.)=0.053 *11* Mult.: D from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
4413.96	(2)$^+$	4413.7[b] *3*	<7.0[b]	0	0$^+$	[E2]		1.34×10^{-3}	α(K)=3.32×10^{-5} *5*; α(L)=3.50×10^{-6} *5*; α(M)=5.87×10^{-7} *9*; α(N)=7.40×10^{-8} *11*; α(O)=4.92×10^{-9} *7* B(E2)(W.u.)<0.04 E_γ: observed only in (n,γ), E=thermal.
4440.72		1706.57 *12*	100	2734.137	3$^-$	Q[@]			
4451.97	(4)$^+$	867.09 *6*	7.5 *12*	3584.784	5$^-$	[E1]		3.30×10^{-4}	α(K)=0.000293 *4*; α(L)=3.13×10^{-5} *5*; α(M)=5.25×10^{-6} *8*; α(N)=6.60×10^{-7} *10*; α(O)=4.31×10^{-8} *6* B(E1)(W.u.)=0.00016 *5* E_γ: not observed in (n,n′γ).
		1717.71 *8*	100 *15*	2734.137	3$^-$	[E1]		5.14×10^{-4}	α(K)=8.61×10^{-5} *12*; α(L)=9.13×10^{-6} *13*; α(M)=1.530×10^{-6} *22*; α(N)=1.93×10^{-7} *3*; α(O)=1.271×10^{-8} *18* B(E1)(W.u.)=0.00028 *8*
		2615.91 *10*	1.31 *14*	1836.090	2$^+$	[E2]		6.90×10^{-4}	α(K)=7.69×10^{-5} *11*; α(L)=8.17×10^{-6} *12*; α(M)=1.370×10^{-6} *20*; α(N)=1.726×10^{-7} *25* α(O)=1.142×10^{-8} *16* B(E2)(W.u.)=0.011 *3* E_γ: not observed in (n,n′γ).
4484.83	0$^+$	998.4 *1*	100.0 *3*	3486.56	1$^+$				
		2648.5 *1*	8.6 *3*	1836.090	2$^+$	[E2]		7.04×10^{-4}	α(K)=7.53×10^{-5} *11*; α(L)=8.00×10^{-6} *12*; α(M)=1.342×10^{-6} *19*; α(N)=1.690×10^{-7} *24* α(O)=1.118×10^{-8} *16* B(E2)(W.u.)=0.152 *13*
4514.028	2$^-$	1027.3 *3*	0.55 *22*	3486.56	1$^+$	[E1]		2.37×10^{-4}	α(K)=0.000210 *3*; α(L)=2.24×10^{-5} *4*; α(M)=3.76×10^{-6} *6*; α(N)=4.72×10^{-7} *7*; α(O)=3.09×10^{-8} *5* B(E1)(W.u.)=1.7×10^{-6} *9*
		1779.870 *21*	11.0 *7*	2734.137	3$^-$				
		2677.892 *21*	100.0 *14*	1836.090	2$^+$	E1+M2	+0.073 *6*	1.10×10^{-3}	α(K)=4.49×10^{-5} *7*; α(L)=4.74×10^{-6} *7*; α(M)=7.94×10^{-7} *12*; α(N)=1.001×10^{-7} *15*; α(O)=6.63×10^{-9} *10* B(E1)(W.u.)=1.8×10^{-5} *6*; B(M2)(W.u.)=0.060 *23* Mult.,δ: from $\gamma\gamma(\theta)$ measured in ^{88}Rb β^- decay. Parity from adopted $\Delta\pi$. Other: −0.06 +*7*−*6* from $\gamma(\theta)$ in (n,n′γ).
4514.54	+	2678.38[d] *9*	100	1836.090	2$^+$				Possibly identical to 2677.89γ.
4521.43	(6)$^-$	936.61 *13*	100	3584.784	5$^-$	M1(+E2)	−0.03[@] *7*	6.44×10^{-4}	α(K)=0.000571 *8*; α(L)=6.15×10^{-5} *9*; α(M)=1.032×10^{-5} *15*; α(N)=1.300×10^{-6} *19*; α(O)=8.56×10^{-8} *12* Mult.: D(+Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
4622.19	2$^+$	1888.0 *1*	100.0 *6*	2734.137	3$^-$	E1		6.26×10^{-4}	α(K)=7.43×10^{-5} *11*; α(L)=7.87×10^{-6} *11*; α(M)=1.318×10^{-6}

$^{88}_{38}Sr_{50}$-16

Adopted Levels, Gammas (continued)

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	δ	α	Comments
									19; α(N)=1.660×10^{-7} *24* α(O)=1.096×10^{-8} *16* B(E1)(W.u.)=0.0020 *5* Mult.: D from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=yes from level scheme.
4622.19	2$^+$	2786.2 *2*	20.3 *6*	1836.090	2$^+$				
4640.40		1906.2 *1*	100.0 *6*	2734.137	3$^-$	Q[@]			
		2804.3 *1*	46.0 *6*	1836.090	2$^+$	D+Q[@]	−0.18[@] *5*		
4680.19		1095.4[a] *1*	100	3584.784	5$^-$				
4687.38	(7)	319.6[c] *3*	100[c]	4367.94	(7$^-$)				
4742.50	1$^-$	1524.6	18 *5*	3218.489	2$^+$	[E1]		3.83×10^{-4}	α(K)=0.0001044 *15*; α(L)=1.109×10^{-5} *16*; α(M)=1.86×10^{-6} *3*; α(N)=2.34×10^{-7} *4* α(O)=1.541×10^{-8} *22* B(E1)(W.u.)=0.0055 *16*
		2906.1 *1*	3.5 *14*	1836.090	2$^+$	[E1]		1.22×10^{-3}	α(K)=3.97×10^{-5} *6*; α(L)=4.19×10^{-6} *6*; α(M)=7.02×10^{-7} *10*; α(N)=8.84×10^{-8} *13*; α(O)=5.86×10^{-9} *9* B(E1)(W.u.)=0.00015 *7* I_γ: from (γ,γ'). Other: 12.1 *3* from (n,n′γ). E_γ: from (n,n′γ).
		4742.52 *8*	100	0	0$^+$	E1		0.00195	α(K)=2.10×10^{-5} *3*; α(L)=2.21×10^{-6} *3*; α(M)=3.70×10^{-7} *6*; α(N)=4.66×10^{-8} *7*; α(O)=3.09×10^{-9} *5* B(E1)(W.u.)=0.00101 *9*
4770.12	2$^+$	734.7 *1*	3.7 *4*	4035.52	2$^+$	M1		1.09×10^{-3}	α(K)=0.000968 *14*; α(L)=0.0001048 *15*; α(M)=1.759×10^{-5} *25*; α(N)=2.21×10^{-6} *3* α(O)=1.454×10^{-7} *21* B(M1)(W.u.)=0.27 *12* Mult.: D from comparison to RUL, $\Delta\pi$=no from level scheme.
		1283.6[a] *1*	2.4 *4*	3486.56	1$^+$				
		2035.7[a] *1*	100.0 *4*	2734.137	3$^-$	[E1]		7.24×10^{-4}	α(K)=6.62×10^{-5} *10*; α(L)=7.01×10^{-6} *10*; α(M)=1.174×10^{-6} *17*; α(N)=1.479×10^{-7} *21* α(O)=9.77×10^{-9} *14* B(E1)(W.u.)=0.0053 *24*
		2933.9 *1*	16.2 *4*	1836.090	2$^+$	M1(+E2)		0.00079 *4*	α(K)=6.31×10^{-5} *10*; α(L)=6.69×10^{-6} *10*; α(M)=1.122×10^{-6} *17*; α(N)=1.414×10^{-7} *21* α(O)=9.38×10^{-9} *14* Mult.: D(+Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
		4770.7 *2*	0.7 *4*	0	0$^+$	E2		1.45×10^{-3}	α(K)=2.95×10^{-5} *5*; α(L)=3.11×10^{-6} *5*; α(M)=5.22×10^{-7}

From ENSDF

$^{88}_{38}Sr_{50}$-17

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^π_i	E_γ †	I_γ †	E_f	J^π_f	Mult. ‡	δ	α	Comments
									8; α(N)=6.58×10^{-8} *10*; α(O)=4.37×10^{-9} *7* B(E2)(W.u.)=0.009 *7* Mult.: Q from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
4801.3	0$^+$	2965.2 *6*	100	1836.090	2$^+$	[E2]		8.32×10^{-4}	α(K)=6.23×10^{-5} *9*; α(L)=6.61×10^{-6} *10*; α(M)=1.108×10^{-6} *16*; α(N)=1.396×10^{-7} *20*; α(O)=9.25×10^{-9} *13* B(E2)(W.u.)=6.6 *21*
4801.4	1	4801.3	100	0	0$^+$	D			
4845.62	(3)$^-$	1627.01 *19*	3.7 *7*	3218.489	2$^+$				E_γ: observed only in (n,γ), E=thermal.
		2111.47 *5*	48.1 *12*	2734.137	3$^-$	M1+E2&	−2.0 +*12*−∞		B(E2)(W.u.)=7.7 *20*; B(M1)(W.u.)=0.0078 *21*
		3009.50 *4*	100.0 *6*	1836.090	2$^+$	E1+M2	+0.075 *15*	1.27×10^{-3}	α(K)=3.82×10^{-5} *6*; α(L)=4.03×10^{-6} *6*; α(M)=6.75×10^{-7} *10*; α(N)=8.51×10^{-8} *13*; α(O)=5.64×10^{-9} *9* B(E1)(W.u.)=0.00043 *12*; B(M2)(W.u.)=1.2 *6* Mult.,δ: D+Q from $\gamma\gamma(\theta)$ in ^{88}Rb β^- decay. $\Delta\pi$=yes from level scheme.
		4845.19 *18*	0.60 *5*	0	0$^+$	[E3]		1.18×10^{-3}	α(K)=3.93×10^{-5} *6*; α(L)=4.17×10^{-6} *6*; α(M)=6.99×10^{-7} *10*; α(N)=8.81×10^{-8} *13*; α(O)=5.85×10^{-9} *9* B(E3)(W.u.)=8.7 *24*
4853.026	1$^-$	338.95 *7*	12.8 *6*	4514.028	2$^-$	M1		0.00666	α(K)=0.00588 *9*; α(L)=0.000649 *9*; α(M)=0.0001092 *16*; α(N)=1.371×10^{-5} *20* α(O)=8.90×10^{-7} *13* B(M1)(W.u.)=0.26 *4* Mult.: D from comparison to RUL, $\Delta\pi$=no from level scheme. E_γ,I_γ: from ^{88}Rb β^- decay. I_γ: Other: 85.9 *9* in (n,n′γ).
		439.2 *3*	3.2 *9*	4413.96	(2)$^+$				
		1217.97 *18*	11.1 *9*	3635.09	(3)$^+$				
		1366.26 *12*	34 *5*	3486.56	1$^+$	E1+M2	−0.05 *2*	2.94×10^{-4}	α(K)=0.0001266 *21*; α(L)=1.347×10^{-5} *22*; α(M)=2.26×10^{-6} *4*; α(N)=2.84×10^{-7} *5*; α(O)=1.87×10^{-8} *3* B(E1)(W.u.)=0.00016 *4*; B(M2)(W.u.)=1.0 *9* Mult.,δ: D+Q from $\gamma\gamma(\theta)$ in ^{88}Rb β^- decay. $\Delta\pi$=yes from level scheme.
		2118.867 *20*	100.0 *13*	2734.137	3$^-$	(E2)		4.91×10^{-4}	α(K)=0.0001114 *16*; α(L)=1.187×10^{-5} *17*; α(M)=1.99×10^{-6} *3*; α(N)=2.51×10^{-7} *4*

Adopted Levels, Gammas (continued)

$\gamma(^{88}\mathrm{Sr})$ (continued)

E_i(level)	J^{π}_i	E_γ[†]	I_γ[†]	E_f	J^{π}_f	Mult.[‡]	α	Comments
								α(K)=0.0001114 16; α(L)=1.187×10^{-5} 17; α(M)=1.99×10^{-6} 3; α(N)=2.51×10^{-7} 4 α(O)=1.653×10^{-8} 24 B(E2)(W.u.)=2.0 3 E_γ: from ^{88}Rb β^- decay. Mult.: (Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
4853.026	1$^-$	3017.19 20	1.0 5	1836.090	2$^+$	[E1]	1.27×10^{-3}	α(K)=3.77×10^{-5} 6; α(L)=3.98×10^{-6} 6; α(M)=6.67×10^{-7} 10; α(N)=8.40×10^{-8} 12; α(O)=5.56×10^{-9} 8 B(E1)(W.u.)=4.5×10^{-7} 23
		4852.882 24	1.6 9	0	0$^+$	(E1)	0.00199	α(K)=2.04×10^{-5} 3; α(L)=2.14×10^{-6} 3; α(M)=3.59×10^{-7} 5; α(N)=4.53×10^{-8} 7; α(O)=3.01×10^{-9} 5 B(E1)(W.u.)=1.7×10^{-7} 10 E_γ: from ^{88}Rb β^- decay. Mult.: (D) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=yes from level scheme.
4880.57	4$^+$	581.2 1	19.2 6	4299.52	4$^+$	M1(+E2)	0.0021 3	α(K)=0.00186 23; α(L)=0.00021 3; α(M)=3.5×10^{-5} 5; α(N)=4.3×10^{-6} 6; α(O)=2.8×10^{-7} 3 Mult.: D from comparison to RUL, $\Delta\pi$=no from level scheme.
		841.6 1	58.3 20	4039.04	(3)$^+$	M1(+E2)	0.00084 4	α(K)=0.00075 3; α(L)=8.1×10^{-5} 4; α(M)=1.37×10^{-5} 7; α(N)=1.71×10^{-6} 8; α(O)=1.11×10^{-7} 4 Mult.: D from comparison to RUL, $\Delta\pi$=no from level scheme.
		1245.5 1	0.6 6	3635.09	(3)$^+$			
		2146.2 1	17.6 6	2734.137	3$^-$	E1(+M2)	7.91×10^{-4} 12	α(K)=6.26×10^{-5} 17; α(L)=6.62×10^{-6} 18; α(M)=1.11×10^{-6} 3; α(N)=1.40×10^{-7} 4; α(O)=9.23×10^{-9} 25 Mult.: D(Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=yes from level scheme.
		3044.4 1	100.0 16	1836.090	2$^+$	[E2]	8.63×10^{-4}	α(K)=5.97×10^{-5} 9; α(L)=6.33×10^{-6} 9; α(M)=1.060×10^{-6} 15; α(N)=1.336×10^{-7} 19; α(O)=8.85×10^{-9} 13 B(E2)(W.u.)=1.58 17 Mult.: Q from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
4914.6	1	4914.5	100	0	0$^+$	D		
4923.61	(2,3,1)	1288.5 1	16.7 4	3635.09	(3)$^+$			
		2189.3 1	8.0 4	2734.137	3$^-$			
		3087.6 1	100.0 4	1836.090	2$^+$	(D+Q)[@]		
4930.6	2$^+$,3$^+$,4$^+$	3094.5 5	100	1836.090	2$^+$			
4988.23	2$^+$	1769.6 1	53.8 8	3218.489	2$^+$			
		2253.9 1	26.4 8	2734.137	3$^-$	[E1]	8.61×10^{-4}	α(K)=5.69×10^{-5} 8; α(L)=6.02×10^{-6} 9; α(M)=1.008×10^{-6} 15; α(N)=1.270×10^{-7} 18; α(O)=8.40×10^{-9} 12 B(E1)(W.u.)=0.00031 8
		3152.2 1	100 4	1836.090	2$^+$	M1(+E2)	0.00087 4	α(K)=5.59×10^{-5} 9; α(L)=5.93×10^{-6} 10; α(M)=9.94×10^{-7} 16;

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$\gamma(^{88}Sr)$ (continued)

E_i(level)	J_i^π	E_γ†	I_γ†	E_f	J_f^π	Mult.‡	α	Comments
								α(N)=1.253×10^{-7} *20*; α(O)=8.31×10^{-9} *13* Mult.: D(+Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
4988.23	2$^+$	4988.7 *2*	31 *3*	0	0$^+$	[E2]	1.51×10^{-3}	α(K)=2.76×10^{-5} *4*; α(L)=2.91×10^{-6} *4*; α(M)=4.88×10^{-7} *7*; α(N)=6.16×10^{-8} *9*; α(O)=4.09×10^{-9} *6* B(E2)(W.u.)=0.10 *3* E_γ: from (n,n′γ). Mult.: Q from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
5010.59	(3,4$^+$)	558.49 *6*	19 *3*	4451.97	(4)$^+$			
		1058.06 *6*	22.7 *6*	3952.636	(4)$^-$			
		1791.69 *19*	3.1 *6*	3218.489	2$^+$			
		2276.44 *15*	100 *1*	2734.137	3$^-$	D(+Q)@		
5076.65		1442.06 *22*	1.0×10^2 *3*	3635.09	(3)$^+$			
		2342.82 *22*	22 *4*	2734.137	3$^-$			
5085.49	(2)$^+$	1450.4 *1*	9.5 *4*	3635.09	(3)$^+$			
		1866.9 *1*	10.2 *6*	3218.489	2$^+$			
		3249.5 *2*	100.0 *7*	1836.090	2$^+$			
		5086.1 *5*	3.7 *4*	0	0$^+$	(E2)	1.54×10^{-3}	α(K)=2.68×10^{-5} *4*; α(L)=2.83×10^{-6} *4*; α(M)=4.74×10^{-7} *7*; α(N)=5.98×10^{-8} *9*; α(O)=3.97×10^{-9} *6* B(E2)(W.u.)=0.034 *16* Mult.: (Q) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
5092.12	(4$^+$)	1052.90[b] *12*	<71[b]	4039.04	(3)$^+$			E_γ: observed only in (n,γ), E=thermal.
		1507.22 *9*	49.5 *15*	3584.784	5$^-$	(E1)	3.71×10^{-4}	α(K)=0.0001064 *15*; α(L)=1.130×10^{-5} *16*; α(M)=1.89×10^{-6} *3*; α(N)=2.38×10^{-7} *4* α(O)=1.570×10^{-8} *22* B(E1)(W.u.)=0.00037 *9* I_γ: from (n,n′γ). Other: <60 for multiply placed transition in (n,γ), E=thermal. Mult.: D from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=yes from level scheme.
		1571.2[b] *7*	<23[b]	3522.77	(2$^+$)	[E2]	3.33×10^{-4}	α(K)=0.000196 *3*; α(L)=2.10×10^{-5} *3*; α(M)=3.52×10^{-6} *5*; α(N)=4.43×10^{-7} *7*; α(O)=2.90×10^{-8} *4* B(E2)(W.u.)<3.5 E_γ: observed only in (n,γ), E=thermal.
		1606.2[bd] *8*	<22[b]	3486.56	1$^+$			E_γ: placement is questionable, if J^π=(4$^+$) assignment to 5092 level is correct, as this transition would imply M3 multipolarity. E_γ: observed only in (n,γ), E=thermal.
		2358.08 *19*	100 *2*	2734.137	3$^-$	(E1)@	9.23×10^{-4}	α(K)=5.33×10^{-5} *8*; α(L)=5.63×10^{-6} *8*; α(M)=9.44×10^{-7} *14*; α(N)=1.189×10^{-7} *17*; α(O)=7.86×10^{-9} *11* B(E1)(W.u.)=0.00020 *5* Mult.: D from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=yes from level scheme.

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$\gamma(^{88}Sr)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]	α	Comments
5092.12	(4^+)	3256.44 *21*	24 *3*	1836.090	2^+	[E2]	9.45×10^{-4}	α(K)=5.34×10^{-5} *8*; α(L)=5.66×10^{-6} *8*; α(M)=9.49×10^{-7} *14*; α(N)=1.196×10^{-7} *17*; α(O)=7.93×10^{-9} *11* B(E2)(W.u.)=0.12 *3* E_γ: observed only in (n,γ), E=thermal.
5103.31	(7)	581.8 *5*	18 *6*	4521.43	$(6)^-$	(D)[#]		
		1083.6 *3*	100 *6*	4019.56	$(6)^-$	D[#]		
5113.06	$(2^+,3)$	1074.12 *8*	50 *4*	4039.04	$(3)^+$			
		1477.99 *8*	130 *22*	3635.09	$(3)^+$			E_γ: observed only in (n,γ), E=thermal.
		1894.5 *3*	56 *4*	3218.489	2^+			
		2377.9 *4*	5.4 *14*	2734.137	3^-			E_γ: observed only in (n,γ), E=thermal.
		3276.80 *9*	100 *4*	1836.090	2^+	D[@]		
5123.8	$(1,2^+)$	3287.5 *5*	100.0 *8*	1836.090	2^+			
		5123.7 *3*	2.8 *8*	0	0^+			
5127.40	(2)	3291.1 *1*	100.0 *8*	1836.090	2^+			
		5127.8 *2*	4.1 *8*	0	0^+	(Q)[@]		
5136.95		1501.8 *1*	100	3635.09	$(3)^+$	D(+Q)[@]		
		5137.8 *5*	<1	0	0^+			
5163.91	2^+	2007.7[d] *1*	100	3156.19	0^+	[E2]	4.50×10^{-4}	α(K)=0.0001228 *18*; α(L)=1.311×10^{-5} *19*; α(M)=2.20×10^{-6} *3*; α(N)=2.77×10^{-7} *4*; α(O)=1.82×10^{-8} *3* B(E2)(W.u.)=15 *4*
5168.80?		1682.3 *1*	56 *6*	3486.56	1^+			
		1950.2 *1*	45 *11*	3218.489	2^+			
		2434.5 *1*	77 *4*	2734.137	3^-			
		3332.8 *1*	100 *6*	1836.090	2^+	D(+Q)[@]		
5170.1	(2^+)	5169.9 *3*	100	0	0^+	(E2)	1.56×10^{-3}	α(K)=2.62×10^{-5} *4*; α(L)=2.76×10^{-6} *4*; α(M)=4.63×10^{-7} *7*; α(N)=5.84×10^{-8} *9*; α(O)=3.88×10^{-9} *6* B(E2)(W.u.)=0.14 *7* Mult.: (Q) from $\gamma(\theta)$ in (n,n′γ), M2 excluded by comparison to RUL.
5253.92	(3^-)	2035.7[a] *1*	100 *4*	3218.489	2^+	[E1]	7.24×10^{-4}	α(K)=6.62×10^{-5} *10*; α(L)=7.01×10^{-6} *10*; α(M)=1.174×10^{-6} *17*; α(N)=1.479×10^{-7} *21* α(O)=9.77×10^{-9} *14* B(E1)(W.u.)=0.00087 *22*
		2519.6 *2*	22.5 *14*	2734.137	3^-			
		3417.5 *1*	18 *6*	1836.090	2^+	[E1]	1.47×10^{-3}	α(K)=3.19×10^{-5} *5*; α(L)=3.36×10^{-6} *5*; α(M)=5.64×10^{-7} *8*; α(N)=7.10×10^{-8} *10*; α(O)=4.71×10^{-9} *7* B(E1)(W.u.)=3.3×10^{-5} *14*
5263.06		3426.9 *2*	100	1836.090	2^+			
5275.98	$(1^-,2^+)$	1283.6[a] *1*	18.8 *18*	3992.42	(0^+)			
		2541.8 *1*	100 *7*	2734.137	3^-			

Adopted Levels, Gammas (continued)

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[†]	E_f	J^π_f	Mult.[‡]	α	Comments
5275.98	(1^-,2^+)	3439.5 *3*	1.9 *19*	1836.090	2^+			
5307.53	(1)	1315.1 *1*	100	3992.42	(0^+)	(D)[@]		
5321.36	4^+	1052.90[b] *12*	<7.6[b]	4268.70	(3^-,4,5^-)			
		1368.67 *3*	100 *15*	3952.636	$(4)^-$			
		1736.51[b] *8*	<48[b]	3584.784	5^-			
		2103.14 *10*	4.4 *5*	3218.489	2^+			
5322.39	(2,3)	1095.4[a] *1*	47 *6*	4227.20	(3^-)			
		1687.2 *1*	100 *6*	3635.09	$(3)^+$			
		2588.3 *1*	85 *5*	2734.137	3^-			
5370.5		267.1 *3*	100	5103.31	(7)			
5393.25	(2^+)	941.4 *1*	43 *4*	4451.97	$(4)^+$	[E2]	6.67×10^{-4}	α(K)=0.000590 *9*; α(L)=6.45×10^{-5} *9*; α(M)=1.082×10^{-5} *16*; α(N)=1.355×10^{-6} *19*; α(O)=8.73×10^{-8} *13* B(E2)(W.u.)=2.2×10^2 *9*
		2174.6 *1*	100 *6*	3218.489	2^+			
		5393.2[d]	61 *8*	0	0^+	[E2]	1.62×10^{-3}	α(K)=2.46×10^{-5} *4*; α(L)=2.60×10^{-6} *4*; α(M)=4.35×10^{-7} *6*; α(N)=5.49×10^{-8} *8*; α(O)=3.65×10^{-9} *6* B(E2)(W.u.)=0.050 *20*
5396.0	(2^+)	5395.8 *3*	100	0	0^+	(E2)	1.62×10^{-3}	α(K)=2.46×10^{-5} *4*; α(L)=2.60×10^{-6} *4*; α(M)=4.35×10^{-7} *6*; α(N)=5.48×10^{-8} *8*; α(O)=3.64×10^{-9} *6* B(E2)(W.u.)=0.030 *+15−10* Mult.: Q from $\gamma(\theta)$ in (n,n′γ); M2 excluded by comparison to RUL.
5424.61	(3^-)	1404.98[d] *5*	450 *70*	4019.56	$(6)^-$			E_γ: observed only in (n,γ), E=thermal. Tentative placement as transition would imply M3/E4 multipolarity if J^π=(3^-) for 5424.61 level is correct.
		1471.76 *16*	113 *21*	3952.636	$(4)^-$			E_γ: observed only in (n,γ), E=thermal.
		2690.64 *14*	100 *3*	2734.137	3^-			
		3588.7 *2*	60.5 *22*	1836.090	2^+	[E1]	1.54×10^{-3}	α(K)=2.99×10^{-5} *5*; α(L)=3.15×10^{-6} *5*; α(M)=5.28×10^{-7} *8*; α(N)=6.66×10^{-8} *10*; α(O)=4.41×10^{-9} *7* B(E1)(W.u.)=7.E−6 *4* E_γ: observed only in (n,n′γ).
5427.6	(8)	324.3 *3*	100	5103.31	(7)	D[#]		
5427.71	(4^-,5)	975.64 *7*	50 *8*	4451.97	$(4)^+$			
		1158.95 *11*	31 *6*	4268.70	(3^-,4,5^-)			
		1408.23 *5*	100 *16*	4019.56	$(6)^-$			
		2693.41[b] *13*	<9.5[b]	2734.137	3^-			
5472.88	(2^-,3^-,4^-)	2738.7 *1*	100	2734.137	3^-	M1,E2	0.00071 *3*	α(K)=7.09×10^{-5} *11*; α(L)=7.53×10^{-6} *11*; α(M)=1.263×10^{-6} *19*; α(N)=1.592×10^{-7} *23*

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^π_i	E_γ†	I_γ†	E_f	J^π_f	Mult.‡	α	Comments
								α(O)=1.055×10^{-8} *15* Mult.: from comparison to RUL.
5485.6	1	5485.4 *16*	100	0	0$^+$	D@		
5498.7	(1,2$^+$)	5498.5 *11*	100	0	0$^+$			
5517.2	(1,2,3)	3681.0 *3*	100	1836.090	2$^+$	(D)@		
5518.23	4$^+$	1565.49[b] *9*	<100[b]	3952.636	(4)$^-$			
		2299.78 *23*	2.3 *5*	3218.489	2$^+$			
		2784.12 *7*	16.7 *17*	2734.137	3$^-$			
5542.20	(1)	3706.0 *1*	100.0 *13*	1836.090	2$^+$			
		5542.5 *4*	5.6 *13*	0	0$^+$	(D)@		
5583.3		3747.1 *3*	100	1836.090	2$^+$			
5590.32	(1$^-$,2,3$^+$)	2103.2 *2*		3486.56	1$^+$			
		2856.0 *7*		2734.137	3$^-$			
		3754.7 *2*		1836.090	2$^+$			
5600.6	(1,2$^+$)	5600.4	100	0	0$^+$			
5655.3	(8)	1287.4 *3*	100	4367.94	(7$^-$)	D#		
5656.50	(2$^+$,3,4$^+$)	1356.7 *1*	100 *6*	4299.52	4$^+$			
		3821.4 *2*	85 *6*	1836.090	2$^+$			
5678.34	(4)$^+$	2944.1 *2*	35.5 *23*	2734.137	3$^-$	[E1]	1.24×10^{-3}	α(K)=3.90×10^{-5} *6*; α(L)=4.12×10^{-6} *6*; α(M)=6.89×10^{-7} *10*; α(N)=8.69×10^{-8} *13*; α(O)=5.75×10^{-9} *8* B(E1)(W.u.)=0.00015 *5*
		3842.2 *2*	100.0 *23*	1836.090	2$^+$	[E2]	1.15×10^{-3}	α(K)=4.11×10^{-5} *6*; α(L)=4.34×10^{-6} *6*; α(M)=7.28×10^{-7} *11*; α(N)=9.18×10^{-8} *13*; α(O)=6.09×10^{-9} *9* B(E2)(W.u.)=0.93 *25*
5689.00	3$^+$,4$^+$	1669.0[d] *5*	3.5 *12*	4019.56	(6)$^-$			E_γ: observed only in (n,γ), E=thermal. Tentative placement as transition would imply M2 or E3 multipolarity.
		1736.51[b] *7*	<100[b]	3952.636	(4)$^-$			E_γ: observed only in (n,γ), E=thermal.
		2166.50 *21*	4.3 *6*	3522.77	(2$^+$)			E_γ: observed only in (n,γ), E=thermal.
		2954.67 *7*	53 *5*	2734.137	3$^-$			
5691.3	1	5691.1	100	0	0$^+$	D		
5693.93	2$^+$	1394.5 *1*	27 *7*	4299.52	4$^+$	[E2]	3.31×10^{-4}	α(K)=0.000248 *4*; α(L)=2.68×10^{-5} *4*; α(M)=4.49×10^{-6} *7*; α(N)=5.64×10^{-7} *8*; α(O)=3.69×10^{-8} *6* B(E2)(W.u.)=8 *4*
		2960.2 *2*	57 *5*	2734.137	3$^-$	[E1]	1.25×10^{-3}	α(K)=3.87×10^{-5} *6*; α(L)=4.08×10^{-6} *6*; α(M)=6.84×10^{-7} *10*; α(N)=8.62×10^{-8} *12*; α(O)=5.71×10^{-9} *8* B(E1)(W.u.)=4.9×10^{-5} *15*
		3857.2 *2*	100 *9*	1836.090	2$^+$			
		5693.1 *3*	43 *7*	0	0$^+$	E2	1.69×10^{-3}	α(K)=2.28×10^{-5} *4*; α(L)=2.40×10^{-6} *4*; α(M)=4.02×10^{-7} *6*;

$^{88}_{38}Sr_{50}$-23

Adopted Levels, Gammas (continued)

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J_i^π	E_γ†	I_γ†	E_f	J_f^π	Mult.‡	α	Comments
								α(N)=5.07×10^{-8} *8*; α(O)=3.37×10^{-9} *5* B(E2)(W.u.)=0.011 *4* Mult.: Q from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=no from level scheme.
5710.78		3874.6 *1*	100	1836.090	2$^+$			
5730.18	4$^+$	3894.0 *2*	100	1836.090	2$^+$	[E2]	1.17×10^{-3}	α(K)=4.02×10^{-5} *6*; α(L)=4.25×10^{-6} *6*; α(M)=7.13×10^{-7} *10*; α(N)=8.99×10^{-8} *13*; α(O)=5.96×10^{-9} *9* B(E2)(W.u.)<0.14
5772.23	0$^+$	1736.7 *1*	100 *14*	4035.52	2$^+$	[E2]	3.66×10^{-4}	α(K)=0.0001610 *23*; α(L)=1.724×10^{-5} *25*; α(M)=2.89×10^{-6} *4*; α(N)=3.64×10^{-7} *5*; α(O)=2.39×10^{-8} *4* B(E2)(W.u.)=36 *18*
		3935.8 *6*	69 *14*	1836.090	2$^+$	[E2]	1.19×10^{-3}	α(K)=3.96×10^{-5} *6*; α(L)=4.18×10^{-6} *6*; α(M)=7.01×10^{-7} *10*; α(N)=8.84×10^{-8} *13*; α(O)=5.86×10^{-9} *9* B(E2)(W.u.)=0.42 *21*
5800.71	(1$^-$,2,3$^+$)	2314.2 *1*		3486.56	1$^+$			
		3066.2 *2*		2734.137	3$^-$			
5812.08	3$^-$	1513.5 *6*	26 *13*	4299.52	4$^+$	[E1]	3.75×10^{-4}	α(K)=0.0001057 *15*; α(L)=1.123×10^{-5} *16*; α(M)=1.88×10^{-6} *3*; α(N)=2.37×10^{-7} *4* α(O)=1.559×10^{-8} *22* B(E1)(W.u.)=0.0012 *11* E_γ: observed only in (n,γ), E=thermal.
		1643.1 *7*	20 *10*	4170.41	(3$^-$)			E_γ: observed only in (n,γ), E=thermal.
		2177.22 *21*	39 *6*	3635.09	(3)$^+$	[E1]	8.14×10^{-4}	α(K)=5.99×10^{-5} *9*; α(L)=6.34×10^{-6} *9*; α(M)=1.062×10^{-6} *15*; α(N)=1.337×10^{-7} *19*; α(O)=8.84×10^{-9} *13* B(E1)(W.u.)=0.0006 *5* E_γ: observed only in (n,γ), E=thermal.
		3077.94 *9*	88 *5*	2734.137	3$^-$			
		3975.66 *14*	100 *10*	1836.090	2$^+$	[E1]	1.69×10^{-3}	α(K)=2.62×10^{-5} *4*; α(L)=2.76×10^{-6} *4*; α(M)=4.62×10^{-7} *7*; α(N)=5.83×10^{-8} *9*; α(O)=3.87×10^{-9} *6* B(E1)(W.u.)=0.00026 *19*
		5811.79 *15*	23.5 *14*	0	0$^+$	[E3]	1.43×10^{-3}	α(K)=2.91×10^{-5} *4*; α(L)=3.08×10^{-6} *5*; α(M)=5.17×10^{-7} *8*; α(N)=6.52×10^{-8} *10*; α(O)=4.33×10^{-9} *6* B(E3)(W.u.)=1.3×10^2 *10* E_γ: observed only in (n,γ), E=thermal.
5831.5	(1,2$^+$)	5831.3 *5*	100	0	0$^+$			
5835.58	(3$^-$,4$^+$)	1608.2[b] *8*	<26[b]	4227.20	(3$^-$)			E_γ: observed only in (n,γ), E=thermal.
		1665.31 *13*	100 *17*	4170.41	(3$^-$)			E_γ: observed only in (n,γ), E=thermal.
		2250.72 *11*	36 *4*	3584.784	5$^-$			E_γ: observed only in (n,γ), E=thermal.
		2349.21[d] *20*	13.7 *21*	3486.56	1$^+$			E_γ: placement is questionable, if J^π=(4$^+$) assignment to 5835.58 level is correct, as this transition would imply M3 multipolarity. E_γ: observed only in (n,γ), E=thermal.

From ENSDF

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$\gamma(^{88}\mathrm{Sr})$ (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult. ‡	α	Comments
5835.58	$(3^-,4^+)$	3999.64 *20*	26 *4*	1836.090	2^+		1	
5866.0	$(1,2^+)$	5865.8 *4*	100	0	0^+			
5951.09	(4^-)	1510.3 *3*	37 *9*	4440.72				
		1723.48 *15*	46 *8*	4227.20	(3^-)			
		1911.94 *12*	42 *7*	4039.04	$(3)^+$			
		1931.33 *16*	26 *5*	4019.56	$(6)^-$			
		1998.46 *9*	80 *12*	3952.636	$(4)^-$			
		2315.7[b] *3*	<23.0[b]	3635.09	$(3)^+$			
		2366.42 *7*	100 *10*	3584.784	5^-			
5990.0	$(1,2^+)$	4154.0 *4*	100 *3*	1836.090	2^+			E_γ,I_γ: from (n,n′γ).
		5989.1 *7*	71 *3*	0	0^+			E_γ,I_γ: from (n,n′γ).
5996.24	4^+	1150.55 *16*	109 *23*	4845.62	$(3)^-$	[E1]	2.11×10^{-4}	α(K)=0.0001701 *24*; α(L)=1.81×10^{-5} *3*; α(M)=3.04×10^{-6} *5*; α(N)=3.82×10^{-7} *6*; α(O)=2.51×10^{-8} *4* B(E1)(W.u.)=0.0020 *9* E_γ: observed only in (n,γ), E=thermal.
		1727.57 *24*	77 *18*	4268.70	$(3^-,4,5^-)$			E_γ: observed only in (n,γ), E=thermal.
		1977.17[d] *20*	51 *10*	4019.56	$(6)^-$			E_γ: observed only in (n,γ), E=thermal. E_γ: tentative as placement would require M2+E3 multipolarity for the transition.
		2043.5	46 *1*	3952.636	$(4)^-$	[E1]	7.29×10^{-4}	α(K)=6.59×10^{-5} *10*; α(L)=6.97×10^{-6} *10*; α(M)=1.168×10^{-6} *17*; α(N)=1.470×10^{-7} *21* α(O)=9.71×10^{-9} *14* B(E1)(W.u.)=0.00015 *6* E_γ: observed only in (n,n′γ).
		2473.49 *15*	33 *5*	3522.77	(2^+)	[E2]	6.33×10^{-4}	α(K)=8.47×10^{-5} *12*; α(L)=9.01×10^{-6} *13*; α(M)=1.510×10^{-6} *22*; α(N)=1.90×10^{-7} *3*; α(O)=1.257×10^{-8} *18* B(E2)(W.u.)=0.7 *3* E_γ: observed only in (n,γ), E=thermal.
		2509.49[d] *17*	25 *4*	3486.56	1^+			E_γ: observed only in (n,γ), E=thermal. E_γ: tentative as placement would require M3+E4 multipolarity for the transition.
		3261.8 *2*	98 *7*	2734.137	3^-	[E1]	1.39×10^{-3}	α(K)=3.40×10^{-5} *5*; α(L)=3.58×10^{-6} *5*; α(M)=6.00×10^{-7} *9*; α(N)=7.56×10^{-8} *11*; α(O)=5.01×10^{-9} *7* B(E1)(W.u.)=8.E−5 *3* E_γ: observed only in (n,n′γ).
		4160.05 *13*	100 *5*	1836.090	2^+	[E2]	1.26×10^{-3}	α(K)=3.63×10^{-5} *5*; α(L)=3.84×10^{-6} *6*; α(M)=6.43×10^{-7} *9*; α(N)=8.11×10^{-8} *12*; α(O)=5.38×10^{-9} *8* B(E2)(W.u.)=0.16 *6*
6010.0	1^-	6009.8	100	0	0^+	E1		B(E1)(W.u.)=0.00113 *8*
6011.15	(2^+)	934.50 *3*	100 *15*	5076.65				

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[†]	E_f	J^π_f	Mult.[‡]	α	Comments
6011.15	(2+)	1595.6[b] 6	<5.4[b]	4413.96	(2)+			
		1972.7 5	1.5 5	4039.04	(3)+			
		4174.89 10	18 9	1836.090	2+			
6011.5?	(3−)	2058.7[d] 3		3952.636	(4)−			
		2856.0[a] 7		3156.19	0+			
6052.2	(2+)	6052.0 3	100	0	0+			
6053.86	(2)+	2567.0 3		3486.56	1+			
		3319.9 3		2734.137	3−			
		4218.2 19		1836.090	2+			
6074.5?		2856.0[a] 7	100	3218.489	2+			
6099.01	(3,4+)	2146.5		3952.636	(4)−	D[@]		
		4262.8 2		1836.090	2+			
6101.4	(1,2+)	6101.2 3	100	0	0+			
6106.00	(1,2,3)	2070.1 4		4035.52	2+	(D)		
		4270.0 3		1836.090	2+			
6125.20		1857.0 4	22 6	4268.70	(3−,4,5−)			
		2172.51 10	52 6	3952.636	(4)−			
		2602.3 3	6.8 14	3522.77	(2+)			
		3391.03 9	100 5	2734.137	3−			
6126.6		2091.1 4	100	4035.52	2+			
6132.92		2180.3[a] 2		3952.636	(4)−			
		4296.6 3		1836.090	2+			
6153.50	(1−)	4317.3 2	100	1836.090	2+	(E1)[@]	0.00181	α(K)=2.36×10^{-5} 4; α(L)=2.48×10^{-6} 4; α(M)=4.16×10^{-7} 6; α(N)=5.24×10^{-8} 8; α(O)=3.48×10^{-9} 5 B(E1)(W.u.)>1.4×10^{-5} Mult.: (D) from $\gamma(\theta)$ in (n,n′γ), $\Delta\pi$=yes from level scheme.
6168.1	(1,2,3)	4331.9 6	100	1836.090	2+	(D)[@]		
6173.06	(1,2+)	2180.3[a] 2		3992.42	(0+)			
		2954.6 1		3218.489	2+			
6200.63	1+	6200.4 2	100	0	0+	M1		B(M1)(W.u.)=0.026 4 E_γ,I_γ: from (γ,γ').
6213.9	1−	4377.8	2.4 4	1836.090	2+	[E1]	0.00184	α(K)=2.32×10^{-5} 4; α(L)=2.44×10^{-6} 4; α(M)=4.09×10^{-7} 6; α(N)=5.15×10^{-8} 8; α(O)=3.42×10^{-9} 5 B(E1)(W.u.)=0.00039 7 E_γ,I_γ: from (γ,γ').
		6213.6	100	0	0+	E1		B(E1)(W.u.)=0.0056 4 E_γ,I_γ: from (γ,γ').
6235.50	(7)	1132.1 3	88 8	5103.31	(7)			
		1713.9 3	100 17	4521.43	(6)−	D		
		1867.4 3	94 8	4367.94	(7−)			

γ(^{88}Sr) (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[†]	E_f	J^π_f	Mult.[‡]	Comments
6249.26	$(2^-,3^+)$	560.9 *6*	100 *24*	5689.00	$3^+,4^+$		
		1980.13 *19*	41 *8*	4268.70	$(3^-,4,5^-)$		
		2020.6 *5*	20 *8*	4227.20	(3^-)		
		2079.4 *3*	22 *4*	4170.41	(3^-)		
		2297.4 *6*	10 *4*	3952.636	$(4)^-$		
		2763.7 *5*	6.9 *17*	3486.56	1^+		
		3030.84 *21*	29 *4*	3218.489	2^+		
		4413.7[b] *3*	<63[b]	1836.090	2^+		
6257.85	3^+	1742.74 *24*	100 *21*	4514.54	$^+$		
		1806.22 *25*	79 *18*	4451.97	$(4)^+$		
		2238.9[bd] *3*	<75[b]	4019.56	$(6)^-$		E_γ: tentative placement as transition would imply E3/M4 multipolarity if J^π=3$^+$ for 6257.85 level is correct.
		2770.9 *4*	20 *5*	3486.56	1^+		
6333.44	1^-	6333.2 *1*	100	0	0^+	E1	B(E1)(W.u.)=0.0084 *6*
6346.45	1^-	6346.2 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.00096 *7*
6367.0	$(1,2^+)$	6366.8	100	0	0^+		
6382.0	1	6381.8	100	0	0^+	D	
6507.74	(4^+)	1662.15 *16*	46 *8*	4845.62	$(3)^-$		
		2055.4[b] *4*	<11.0[b]	4451.97	$(4)^+$		
		2067.5 *3*	12.3 *21*	4440.72			
		2093.4 *3*	30 *10*	4413.96	$(2)^+$		
		2208.41 *13*	17.4 *23*	4299.52	4^+		
		2238.9[b] *3*	<17.0[b]	4268.70	$(3^-,4,5^-)$		
		2337.56 *19*	8.4 *13*	4170.41	(3^-)		
		2469.2 *7*	100 *10*	4039.04	$(3)^+$		
		3773.38 *10*	56 *3*	2734.137	3^-		
6583.70	$(1^-,2,3^+)$	1507.30[b] *21*	<100[b]	5076.65			
		1571.2[b] *7*	<40[b]	5010.59	$(3,4^+)$		
		2169.62 *18*	53 *7*	4413.96	$(2)^+$		
		2315.7[b] *3*	<47[b]	4268.70	$(3^-,4,5^-)$		
		2544.43 *19*	35 *5*	4039.04	$(3)^+$		
		3097.15 *22*	21 *3*	3486.56	1^+		
		3849.53 *11*	48 *3*	2734.137	3^-		
		4747.32 *12*	46 *3*	1836.090	2^+		
6591.7	1	6591.4 *9*	100	0	0^+	D	
6612.75	$2^-,3^-$	1768.0 *4*	67 *18*	4845.62	$(3)^-$		
		2573.23 *19*	55 *7*	4039.04	$(3)^+$		
		2660.22 *8*	100 *11*	3952.636	$(4)^-$		
		3125.4 *3*	55 *13*	3486.56	1^+		
6692.46	$(3^+,2^+)$	2241.3 *6*	22 *8*	4451.97	$(4)^+$		

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γ(^{88}Sr) (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult. ‡	Comments
6692.46	(3+,2+)	3205.42 *21*	28 *3*	3486.56	1+		
		3958.36 *11*	100 *6*	2734.137	3−		
6710.4	1	4874.2	42 *11*	1836.090	2+	D	
		6710.0	100	0	0+	D	
6806.89	(4+)	1694.7 *4*	30 *10*	5113.06	(2+,3)		
		1730.50 *17*	100 *18*	5076.65			
		2768.16 *17*	32 *4*	4039.04	(3)+		
		3222.14 *11*	60 *4*	3584.784	5−		
		4072.41 *16*	22.2 *16*	2734.137	3−		
		4970.82 *25*	10.9 *16*	1836.090	2+		
6840.64	(8)	605.1 *1*	100 *4*	6235.50	(7)	D#	
		1470.1 *3*	23 *5*	5370.5			
		2153.4 *3*	30 *4*	4687.38	(7)	D#	
		2473.3 *5*	11.2 *22*	4367.94	(7−)		
6854.6	1	6854.3 *3*	100	0	0+	D	
6916.68	(3−,2+)	1595.6[b] *6*	<100[b]	5321.36	4+		
		2070.5 *3*	46 *8*	4845.62	(3)−		
		2647.64 *13*	63 *8*	4268.70	(3−,4,5−)		
		4182.52 *18*	22.5 *19*	2734.137	3−		
		6915.6 *7*	6.3 *13*	0	0+		
6987	1−	6987.6 *2*	100	0	0+	E1	B(E1)(W.u.)=0.00124 *11*
7089.11	1−	7088.8 *1*	100	0	0+	E1	B(E1)(W.u.)=0.0088 *6*
7119.3	(10)	1464.0 *1*	100	5655.3	(8)	Q#	
7129.3		1474.0 *6*	100	5655.3	(8)		
7138.84	(4+)	1449.77 *17*	100 *22*	5689.00	3+,4+		
		2127.9 *3*	6.6 *16*	5010.59	(3,4+)		
		3099.76 *20*	10.9 *14*	4039.04	(3)+		
		3554.02 *10*	24.8 *14*	3584.784	5−		
		3616.17 *17*	90 *7*	3522.77	(2+)		
		4404.62 *20*	5.2 *5*	2734.137	3−		
		5302.61 *16*	35 *3*	1836.090	2+		
7169.21	1	7168.9 *2*	100	0	0+	D	
7207.88	(3,4+,2+)	2094.8 *4*	1.0×10^2 *5*	5113.06	(2+,3)		
		2693.41[b] *13*	<84[b]	4514.54	+		
		2793.96 *22*	27 *5*	4413.96	(2)+		
		3989.11 *12*	84 *5*	3218.489	2+		
		5371.59 *14*	63 *4*	1836.090	2+		
7281.8	1−	7281.5 *3*	100	0	0+	E1	B(E1)(W.u.)=0.00161 *15*
7299.9	(1)−	7299.6 *3*	100	0	0+	(E1)	B(E1)(W.u.)=0.00079 *12*
7330.55	(9)	489.9 *1*	100 *4*	6840.64	(8)	D#	

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$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^{π}_i	E_γ[†]	I_γ[†]	E_f	J^{π}_f	Mult.[‡]	Comments
7330.55	(9)	1902.9 *3*	13.3 *18*	5427.6	(8)		
7434.2	(10)	1778.9 *1*	100	5655.3	(8)	Q[#]	
7492.8	1^-	7492.5 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00033 *10*
7533.95	1^-	7533.6 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.00250 *24*
7573.20	$(3,4^+,2^+)$	1323.95 *6*	100 *16*	6249.26	$(2^-,3^+)$		
		1761.6 *3*	7.1 *17*	5812.08	3^-		
		2055.4[b] *4*	<4.8[b]	5518.23	4^+		
		2145.72 *20*	12.6 *23*	5427.71	$(4^-,5)$		
		2147.6 *4*	6.5 *21*	5424.61	(3^-)		
		3158.84 *13*	6.4 *5*	4413.96	$(2)^+$		
		4839.7 *5*	1.4 *3*	2734.137	3^-		
		5736.55 *19*	6.3 *6*	1836.090	2^+		
7591.4	1^-	7591.0 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00086 *15*
7641.86	(10)	311.3 *1*	100 *4*	7330.55	(9)	D[#]	
		522.7 *5*	10.9 *11*	7119.3	(10)	(D)[#]	
7774.8	(11)	340.5 *3*	100 *4*	7434.2	(10)	D[#]	
		655.4 *3*	98 *5*	7119.3	(10)	D[#]	
7807.8	1^-	7807.4 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00133 *20*
7838.27	1^-	7837.9 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.0032 *4*
7877.3	$(1)^-$	7876.9 *3*	100	0	0^+	(E1)	B(E1)(W.u.)=0.00108 *19*
7908.76	(11)	266.9 *1*	100	7641.86	(10)	(D)[#]	
7964.19	1^-	7963.8 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.00218 *22*
7987.59	1^-	7987.2 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.00129 *18*
8040.79	1^-	8040.4 *1*	100	0	0^+	E1	B(E1)(W.u.)=0.0048 *5*
8094.8	(12)	319.6[c] *1*	100[c] *4*	7774.8	(11)	(D)[#]	
		661.3[d] *6*	51 *4*	7434.2	(10)		E_γ: seen only in $^{176}Yb(^{28}Si,F\gamma)$.
8109.5	1^-	8109.1 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00119 *20*
8180.7	1^-	8180.3 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00130 *17*
8191.11	1^-	8190.7 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.00189 *23*
8215.31	1^-	8214.9 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.00176 *21*
8271.5	1^-	8271.1 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00112 *19*
8276.1	(13)	181.4 *3*	100	8094.8	(12)	D[#]	
8325.7	1^-	8325.3 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00152 *24*
8336.3	(12)	241.6 *3*	100 *9*	8094.8	(12)	(D)[#]	
		561.3 *3*	88 *6*	7774.8	(11)	(D)[#]	
8374.9?		1255.5[d] *5*	100	7119.3	(10)		
8375.8	1	8375.4 *6*	100	0	0^+	D	
8407.0	1	8406.6 *4*	100	0	0^+	D	

From ENSDF

$^{88}_{38}Sr_{50}$-29

Adopted Levels, Gammas (continued)

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^{π}_i	E_{γ}†	I_{γ}†	E_f	J^{π}_f	Mult.‡	Comments
8437.2	(12)	528.4 *3*	100	7908.76	(11)	D#	
8453.4	1^-	8453.0 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.0028 *5*
8469.0	1^-	8468.6 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00091 *18*
8500.8	1	8500.4 *3*	100	0	0^+	D	
8517.9		241.8 *6*	100	8276.1	(13)		
8518.8	1^-	8518.4 *4*	100	0	0^+	E1	B(E1)(W.u.)=0.00083 *19*
8553.0?		8552.6 *9*	100	0	0^+		
8561.3?		8560.9 *6*	100	0	0^+		
8580.6?		8580.2 *5*	100	0	0^+		
8588.8		8588.3 *4*	100	0	0^+		
8626.3		8625.8 *10*	100	0	0^+		
8668.7	1	8668.2 *6*	100	0	0^+	D	
8682.0	1	8681.5 *6*	100	0	0^+	D	
8713.7	1^-	8713.2 *9*	100	0	0^+	E1	B(E1)(W.u.)=0.0009 *5*
8735.8		8735.3 *9*	100	0	0^+		
8754.6	1	8754.1 *8*	100	0	0^+	D	
8764.7		8764.2 *5*	100	0	0^+		
8779.8		8779.3 *6*	100	0	0^+		
8791.9	1	8791.4 *6*	100	0	0^+	D	
8840.1		8839.6 *4*	100	0	0^+		
8850.6		8850.1 *12*	100	0	0^+		
8874.4	1	8873.9 *5*	100	0	0^+	D	
8928.5	1^-	8928.0 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.0023 *4*
8935.9	(13)	560.9 *5*	≈9.8	8374.9?			
		599.5 *3*	100 *5*	8336.3	(12)	D#	
		659.8 *3*	46 *3*	8276.1	(13)	(D)#	
		841.2 *3*	46 *3*	8094.8	(12)	(D)#	
8980.8		8980.3 *6*	100	0	0^+		
9019.2		9018.7 *6*	100	0	0^+		
9043.6	1^-	7207.3 *5*	29 *8*	1836.090	2^+		
		9043.0 *5*	100	0	0^+	E1	B(E1)(W.u.)=0.0011 *3*
9069.7	1^-	9069.2 *6*	100	0	0^+	E1	B(E1)(W.u.)=0.00075 *14*
9078.3	1^-	9077.8 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00124 *20*
9098.3	1	9097.8 *7*	100	0	0^+	D	
9116.3		9115.8 *5*	100	0	0^+		
9125.1	1	9124.6 *3*	100	0	0^+	D	
9148.31	1^-	9147.8 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.0024 *3*
9191.42	1^-	7355.1 *2*	16 *3*	1836.090	2^+		
		9190.8 *2*	100	0	0^+	E1	B(E1)(W.u.)=0.0031 *6*
9214.4	1	9213.9 *7*	100	0	0^+	D	
9255.2	1	9254.7 *9*	100	0	0^+	D	

$^{88}_{38}Sr_{50}$-30

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J_i^π	E_γ †	I_γ †	E_f	J_f^π	Mult. ‡	Comments
9305.7	1^-	9305.2 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.0027 *4*
9341.1	1^-	9340.6 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00076 *13*
9384.6	1	9384.1 *7*	100	0	0^+	D	
9393.3	1	9392.8 *5*	100	0	0^+	D	
9402.4	1	9401.9 *5*	100	0	0^+	D	
9410.1	(13)	972.9 *5*	100	8437.2	(12)	D#	
9431.8	1	9431.3 *10*	100	0	0^+	D	
9445.5	1^-	9445.0 *4*	100	0	0^+	E1	B(E1)(W.u.)=0.0025 *4*
9470.5	(1^-)	9470.0 *4*	100	0	0^+	(E1)	B(E1)(W.u.)=0.00155 *24*
9478.8	$1^{(-)}$	7642.5 *5*	14 *4*	1836.090	2^+		
		9478.2 *5*	100	0	0^+	(E1)	B(E1)(W.u.)=0.0011 *3*
9497.05	1^-	9496.5 *2*	100	0	0^+	E1	B(E1)(W.u.)=9.1×10^{-5} *11*
9528.3	(14)	592.4 *1*	100	8935.9	(13)	D#	
9550.8		9550.2 *7*	100	0	0^+		
9568.3	1	9567.7 *5*	100	0	0^+	D	
9576.8		9576.2 *11*	100	0	0^+		
9597.9	1	9597.3 *11*	100	0	0^+	D	
9616.3	1	9615.7 *6*	100	0	0^+	D	
9646.1		9645.5 *8*	100	0	0^+		
9704.1	1^-	9703.5 *5*	100	0	0^+	E1	B(E1)(W.u.)=0.0016 *4*
9728.2		9727.6 *18*	100	0	0^+		
9738.1	1	9737.5 *16*	100	0	0^+	D	
9746.0	1^-	9745.4 *6*	100	0	0^+	E1	B(E1)(W.u.)=0.0021 *4*
9804.7	1	9804.1 *9*	100	0	0^+	D	
9816.5	1^-	9815.9 *3*	100	0	0^+	E1	B(E1)(W.u.)=0.00093 *17*
9881.2	$1^{(-)}$	9880.6 *4*	100	0	0^+	(E1)	B(E1)(W.u.)=0.00136 *21*
9944.1	1^-	9943.5 *8*	100	0	0^+	E1	B(E1)(W.u.)=0.00076 *14*
9953.3		9952.7 *5*	100	0	0^+		
9965.8	$1^{(-)}$	9965.2 *6*	100	0	0^+	(E1)	B(E1)(W.u.)=0.00066 *12*
9977.9	(15)	449.6 *3*	100	9528.3	(14)	D#	
10056.3	1	10055.7 *4*	100	0	0^+	D	
10089.2		10088.6 *10*	100	0	0^+		
10106.9	1	10106.3 *8*	100	0	0^+	D	
10128.2		10127.6 *7*	100	0	0^+		
10139.5		10138.9 *8*	100	0	0^+		
10150.3		10149.7 *8*	100	0	0^+		
10184.0		10183.4 *4*	100	0	0^+		
10248.6	1	10248.0 *4*	100	0	0^+	D	
10288.6	$1^{(-)}$	10288.0 *7*	100	0	0^+	(E1)	B(E1)(W.u.)=0.00070 *14*
10297.7		10297.1 *13*	100	0	0^+		

$^{88}_{38}Sr_{50}$-31

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J^π_i	E_γ[†]	I_γ[†]	E_f	J^π_f	Mult.[‡]	Comments
10326.7		10326.0 *6*	100	0	0^+		
10341.3		10340.6 *6*	100	0	0^+		
10372.5		10371.8 *5*	100	0	0^+		
10406.6		10405.9 *14*	100	0	0^+		
10421.1		10420.4 *10*	100	0	0^+		
10453.2		10452.5 *12*	100	0	0^+		
10481.1		10480.4 *9*	100	0	0^+		
10512.1		10511.4 *19*	100	0	0^+		
10522.7	1	10522.0 *5*	100	0	0^+	D	
10550.3	1	10549.6 *5*	100	0	0^+	D	
10600.2		10599.5 *16*	100	0	0^+		
10608.7		10608.0 *14*	100	0	0^+		
10644.1	1^-	10643.4 *8*	100	0	0^+	E1	B(E1)(W.u.)=0.00095 *19*
10657.8	1	10657.1 *16*	100	0	0^+	D	
10698.4		10697.7 *8*	100	0	0^+		
10726.4	1	10725.7 *15*	100	0	0^+	D	
10739.4	(16)	761.5 *3*	100	9977.9	(15)	D[#]	
10744.9		10744.2 *8*	100	0	0^+		
10759.7		10759.0 *16*	100	0	0^+		
10767.1	1	10766.4 *15*	100	0	0^+	D	
10783.6	1	10782.9 *5*	100	0	0^+	D	
10804.8		8968.3 *6*	26 *11*	1836.090	2^+		
		10804.0 *6*	100	0	0^+		
10857.4		7370.6 *6*	52 *18*	3486.56	1^+		
		10856.6 *6*	100	0	0^+		
10888.4		7669.7 *13*	33 *14*	3218.489	2^+		
		10887.6 *13*	100	0	0^+		
10914.6	1	10913.9 *5*	100	0	0^+	D	
10929.9		10929.2 *7*	100	0	0^+		
10950.4		10949.7 *6*	100	0	0^+		
10979.7		10979.0 *12*	100	0	0^+		
11012.0	1	11011.3 *5*	100	0	0^+	D	
11059.0		11058.3 *11*	100	0	0^+		
11083.1		7864.3 *11*	26 *11*	3218.489	2^+		
		11082.3 *11*	100	0	0^+		
11111.8	1	11111.0 *16*	100	0	0^+	D	
11125.4	1	11124.6 *14*	100	0	0^+	D	
11169.6		7682.9 *12*	35 *15*	3486.56	1^+		
		11168.7 *12*	100	0	0^+		
11224.2		11223.4 *13*	100	0	0^+		
11251.8		11251.0 *12*	100	0	0^+		

$^{88}_{38}Sr_{50}$-32

Adopted Levels, Gammas (continued)

$\gamma(^{88}Sr)$ (continued)

E_i(level)	J_i^π	E_γ[†]	I_γ[†]	E_f	J_f^π	Mult.[‡]
11278.9	1	11278.1 *10*	100	0	0^+	D
11313.8		11313.0 *6*	100	0	0^+	
11326		11325 *3*	100	0	0^+	
11335.3	1	11334.5 *13*	100	0	0^+	D
11355		11354 *3*	100	0	0^+	
11356.1?	(17)	616.7[d] *3*	100	10739.4	(16)	D[#]
11370	1	11369 *3*	100	0	0^+	D
11393.6	1	11392.8 *6*	100	0	0^+	D
11413.2		11412.4 *15*	100	0	0^+	
11548.0		11547.2 *7*	100	0	0^+	
11593.7		11592.9 *16*	100	0	0^+	
11607.6		11606.8 *12*	100	0	0^+	
11633.0		11632.2 *14*	100	0	0^+	
11658.0		11657.2 *16*	100	0	0^+	
11743.1		11742.3 *14*	100	0	0^+	
11782.4		11781.6 *14*	100	0	0^+	
11920.6		11919.7 *7*	100	0	0^+	
11935.5		11934.6 *10*	100	0	0^+	
11958.9		11958.0 *14*	100	0	0^+	
12026.5		12025.6 *10*	100	0	0^+	

[†] Weighted average of all available measurements, except where noted.
[‡] From $\gamma(\theta)$, $\gamma(\theta)$(lin pol) in (γ,γ'), except where noted.
[#] From $\gamma(\theta)$ in $^{80}Se(^{11}B,p2n\gamma)$.
[@] From $\gamma(\theta)$ in $(n,n'\gamma)$.
[&] D+Q from $\gamma(\theta)$ in $(n,n'\gamma)$, $\Delta\pi$=no from level scheme.
[a] Multiply placed.
[b] Multiply placed with undivided intensity.
[c] Multiply placed with intensity suitably divided.
[d] Placement of transition in the level scheme is uncertain.

$^{88}_{38}Sr_{50}$-33

Adopted Levels, Gammas

Level Scheme

Intensities: Type not specified

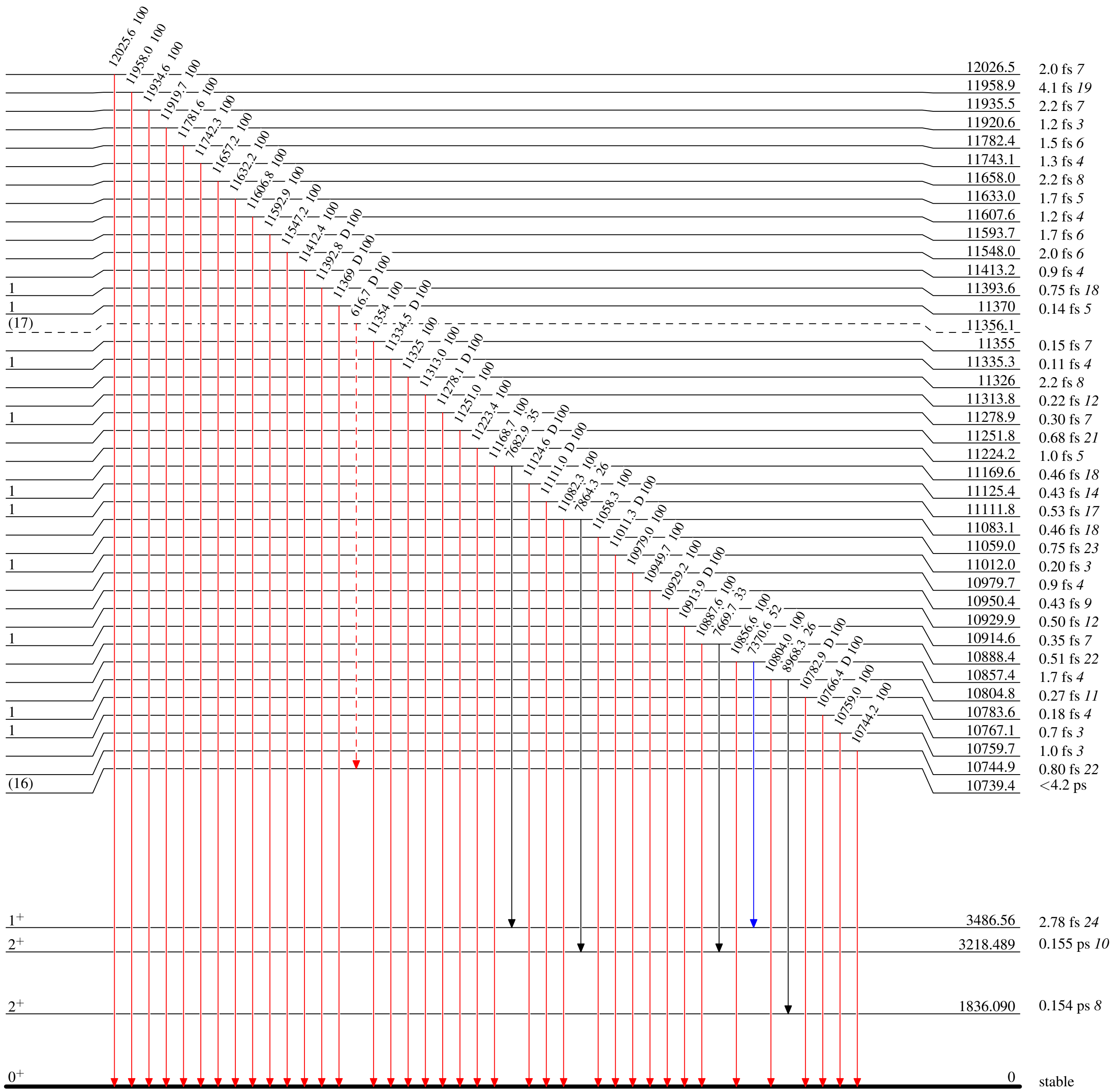
Legend

$I_\gamma < 2\% \times I_\gamma^{max}$

$I_\gamma < 10\% \times I_\gamma^{max}$

$I_\gamma > 10\% \times I_\gamma^{max}$

γ Decay (Uncertain)



$^{88}_{38}Sr_{50}$

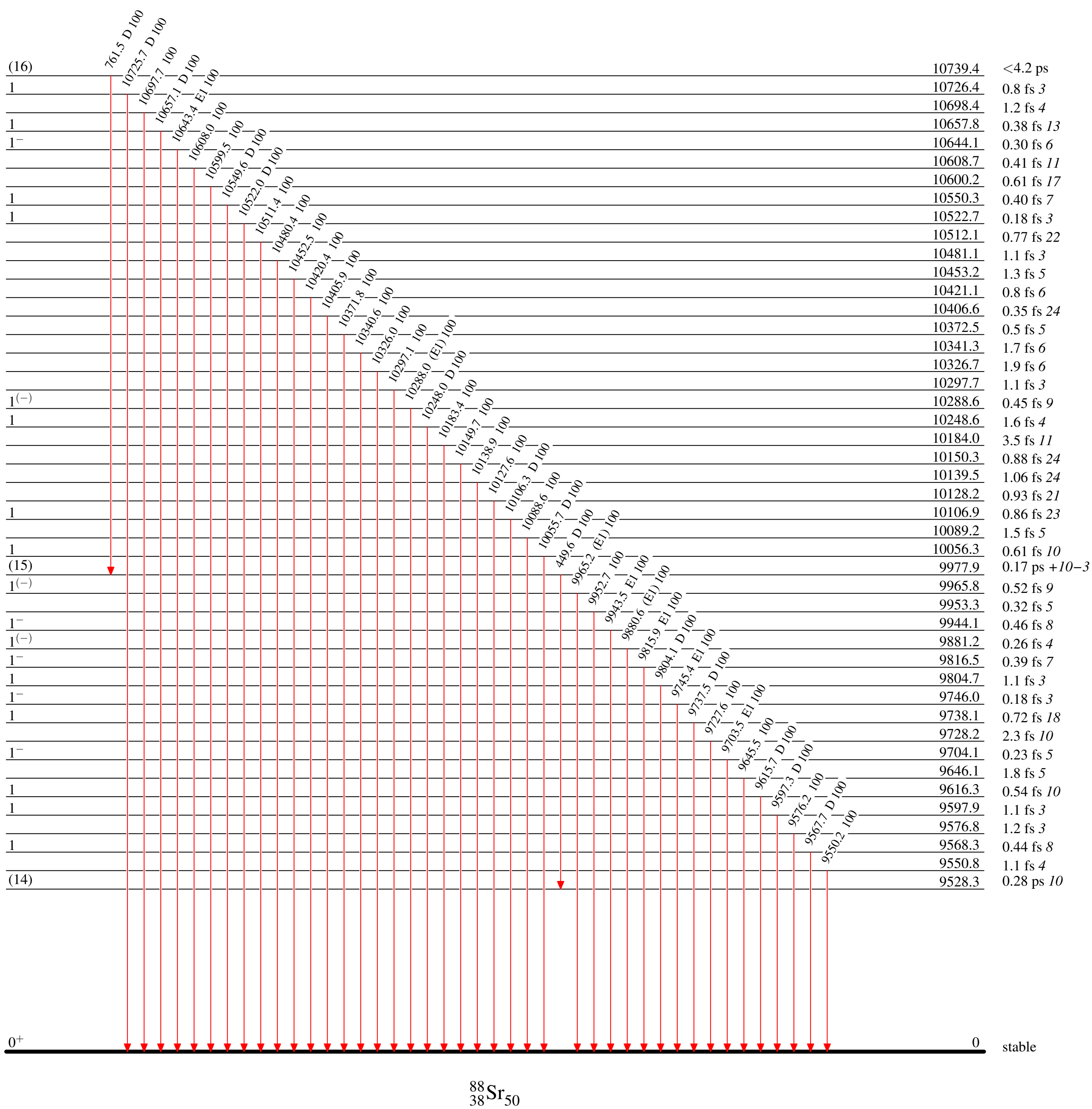
Adopted Levels, Gammas

Legend

Level Scheme (continued)

Intensities: Type not specified

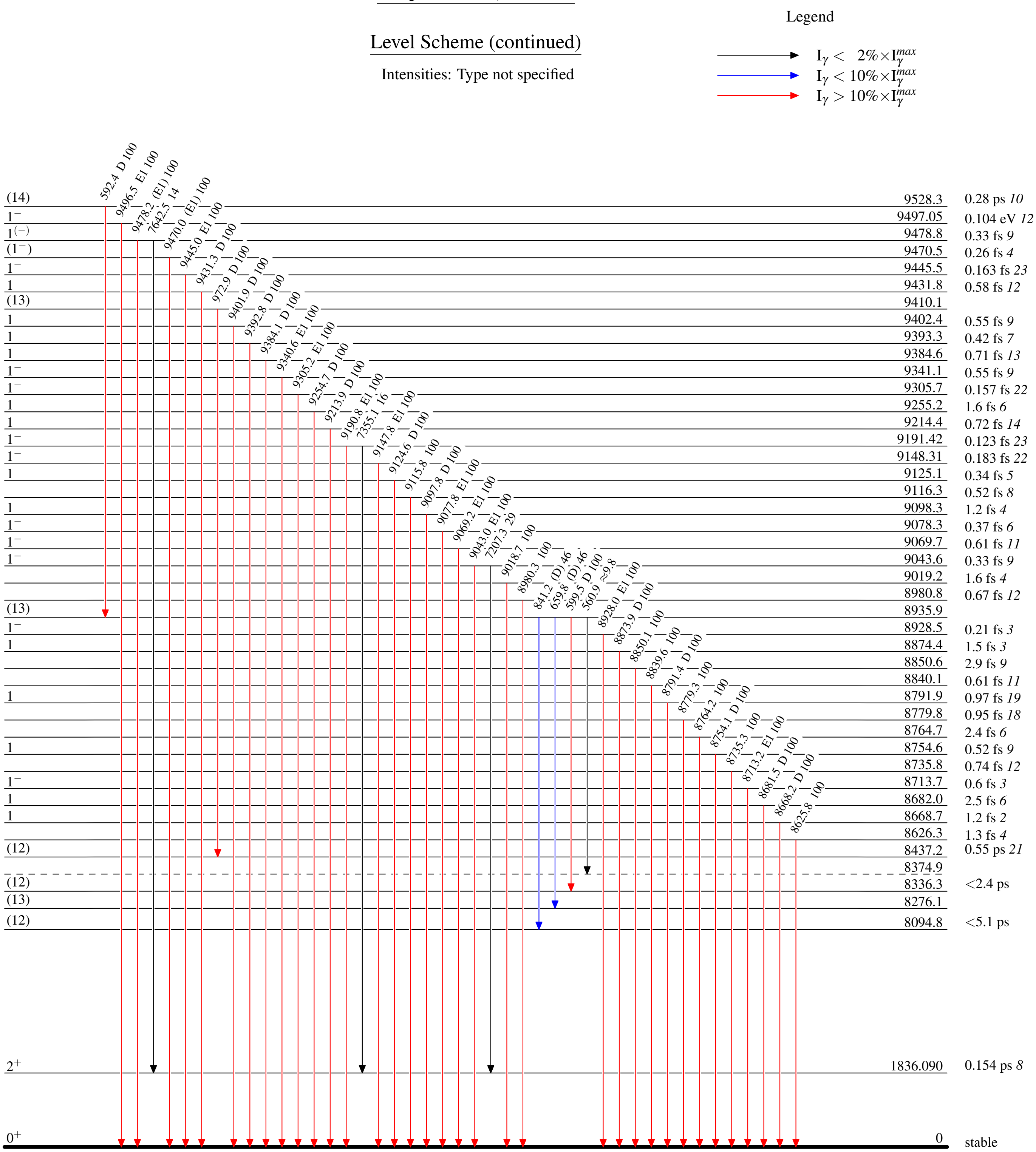
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified



$^{88}_{38}Sr_{50}$

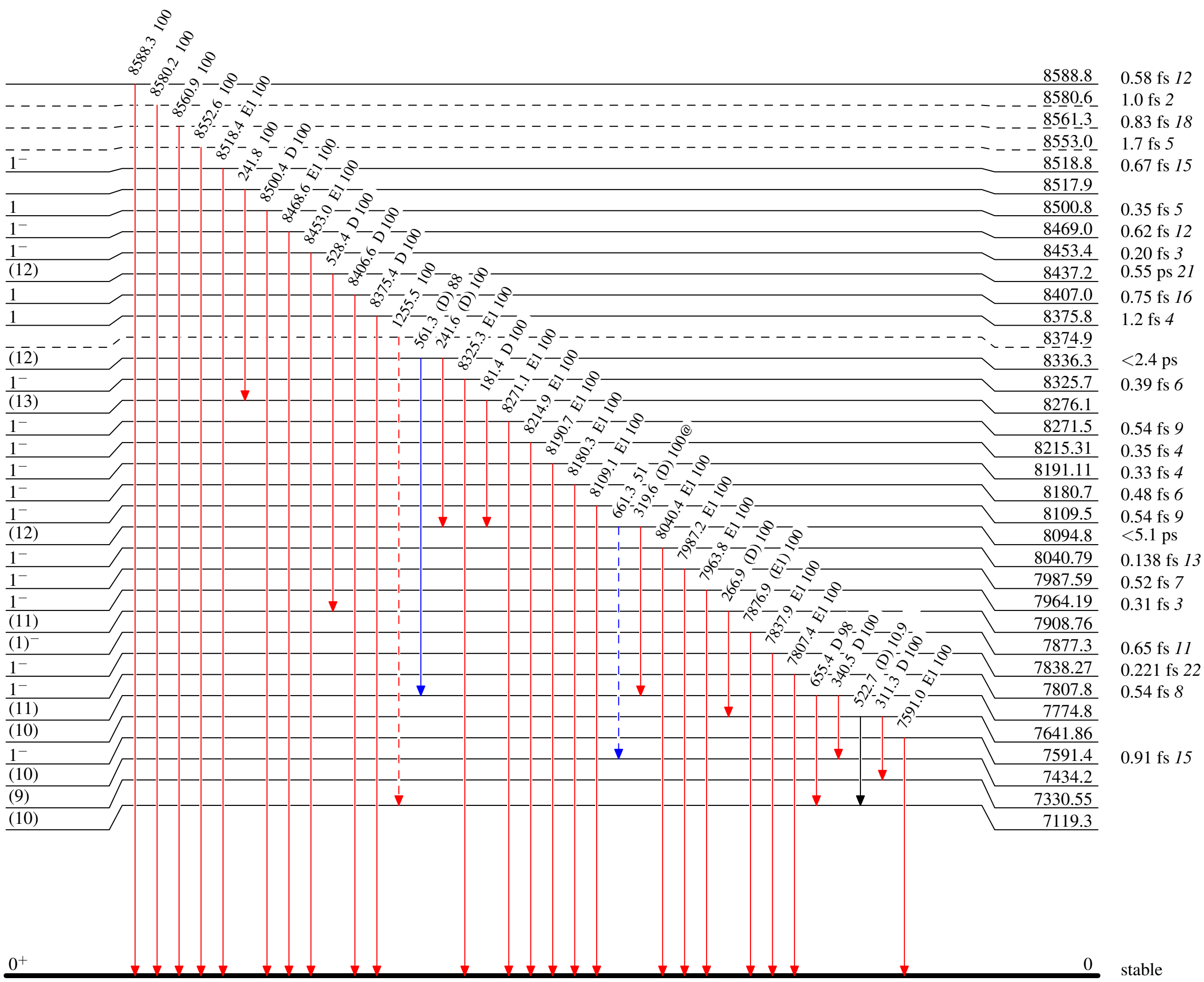
Adopted Levels, Gammas

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$
γ Decay (Uncertain)

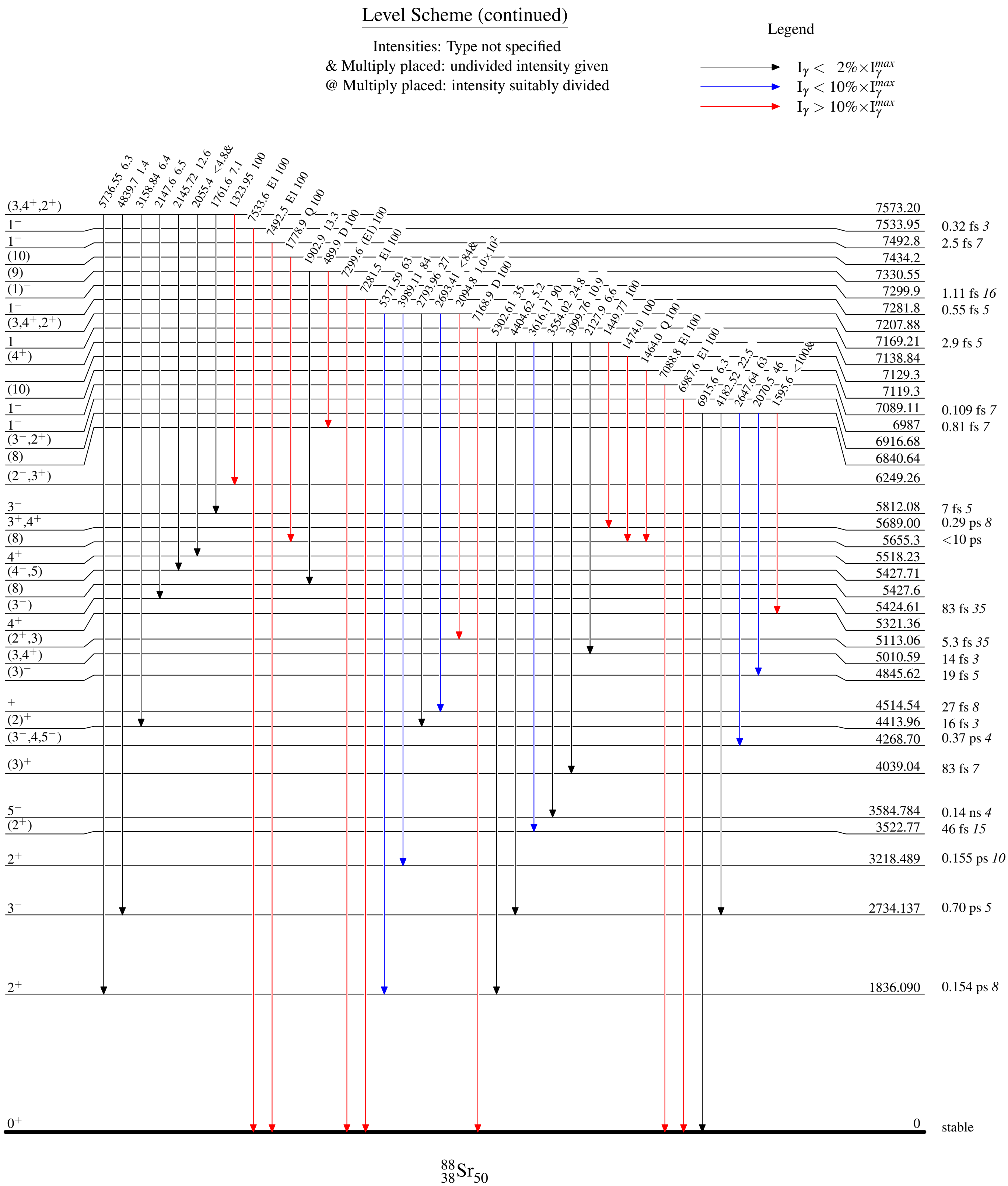
Level Scheme (continued)

Intensities: Type not specified
@ Multiply placed: intensity suitably divided



$^{88}_{38}Sr_{50}$

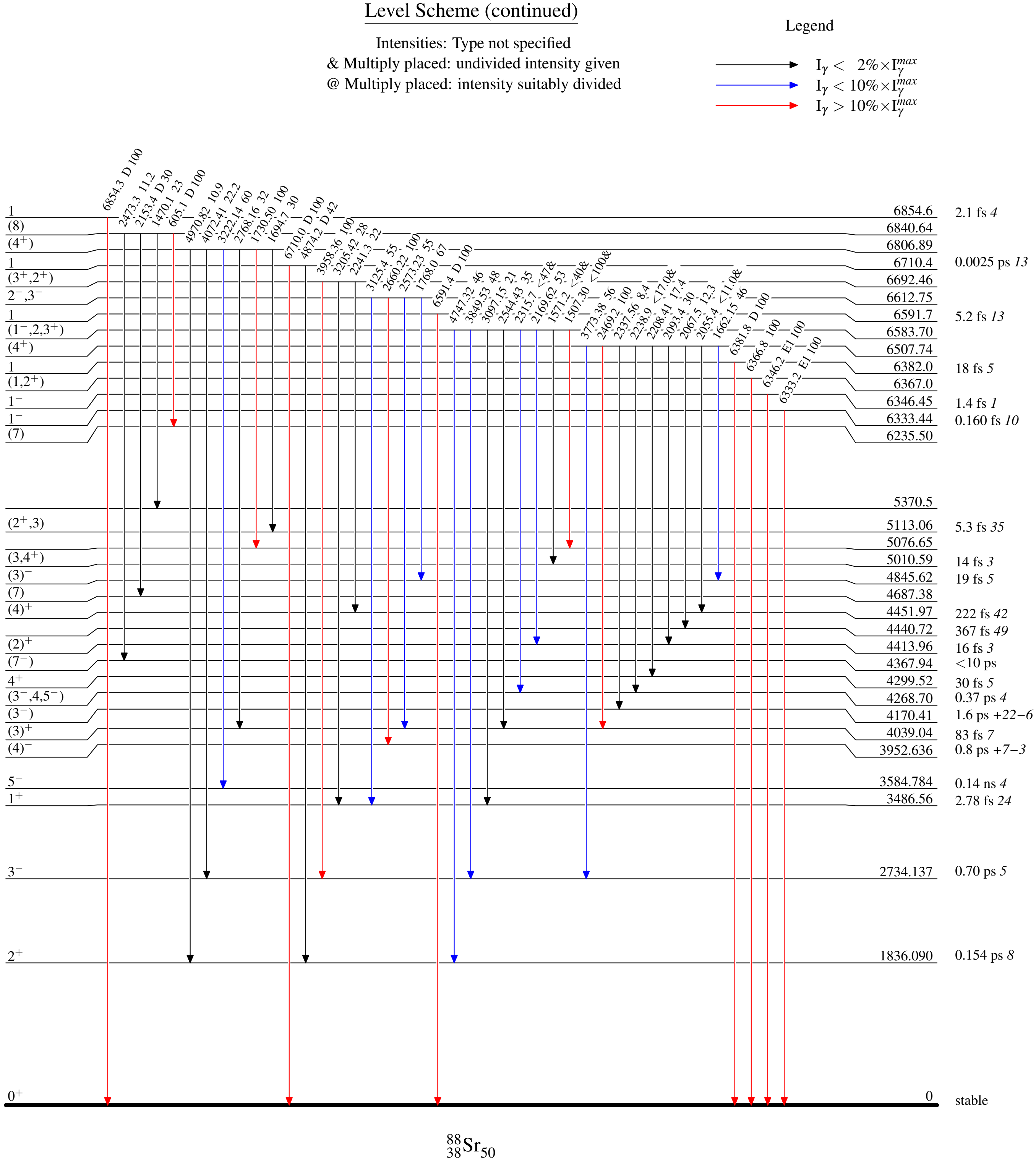
Adopted Levels, Gammas



Adopted Levels, Gammas

Level Scheme (continued)

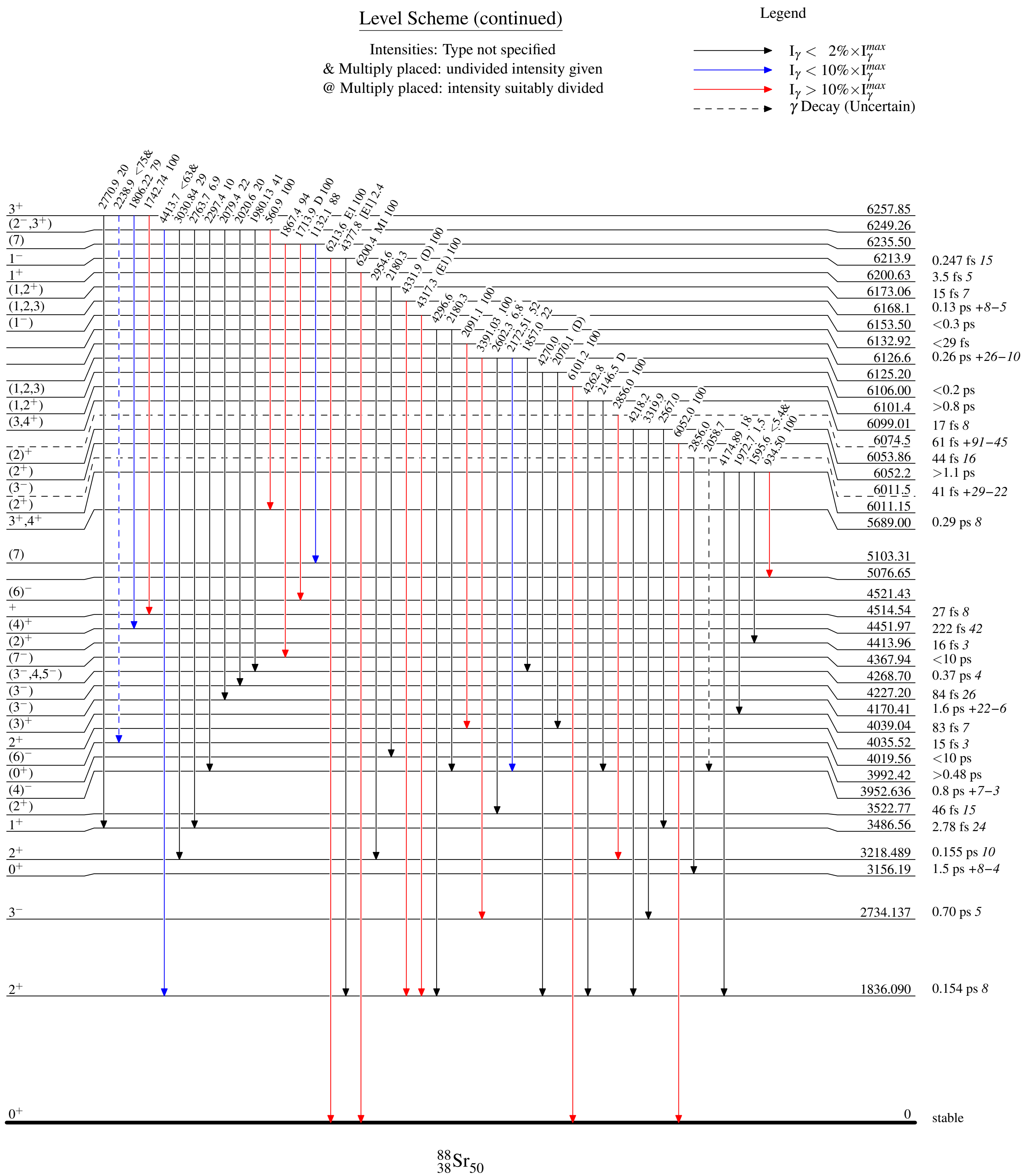
Intensities: Type not specified
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



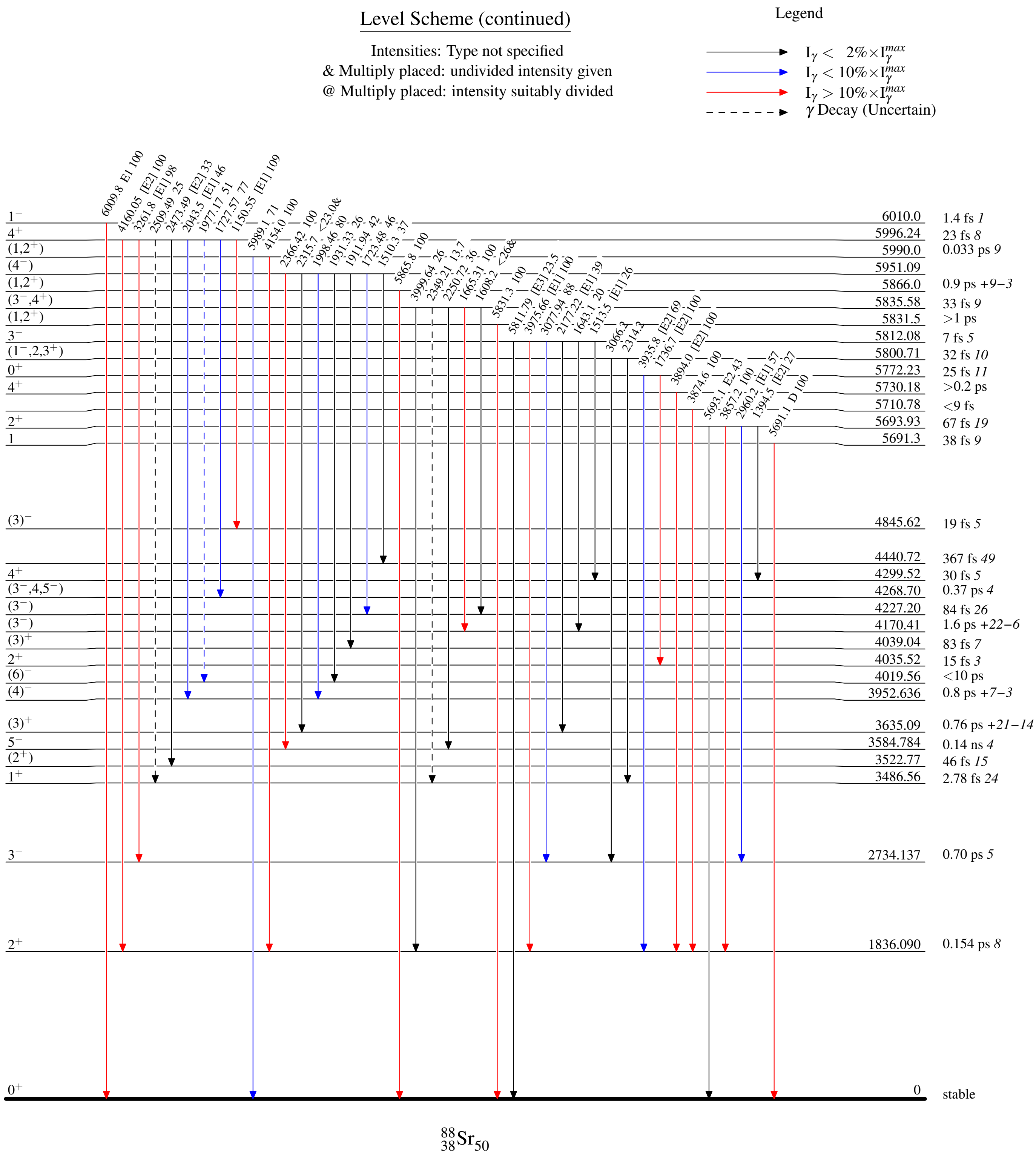
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



Adopted Levels, Gammas



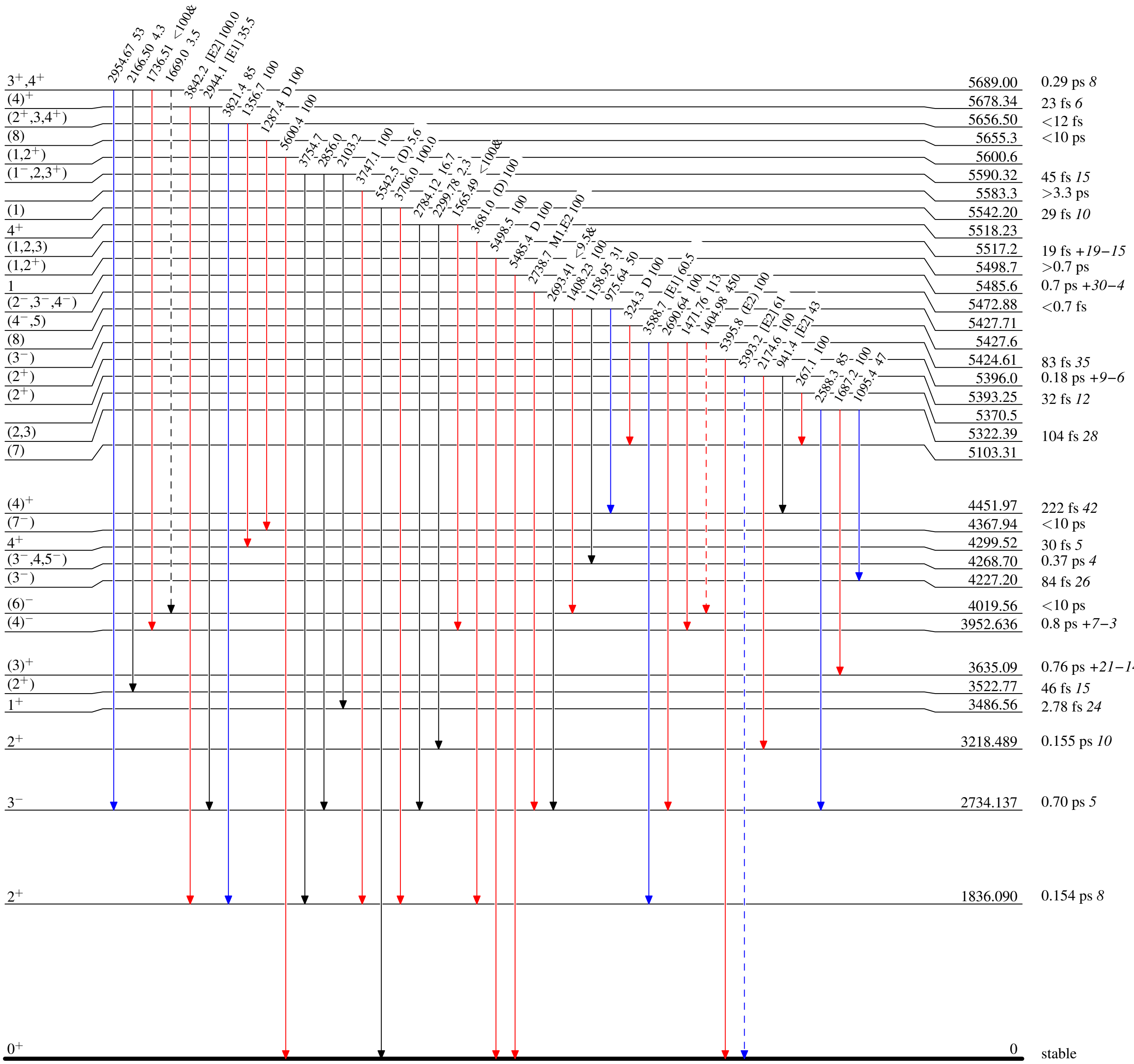
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$
γ Decay (Uncertain)



$^{88}_{38}Sr_{50}$

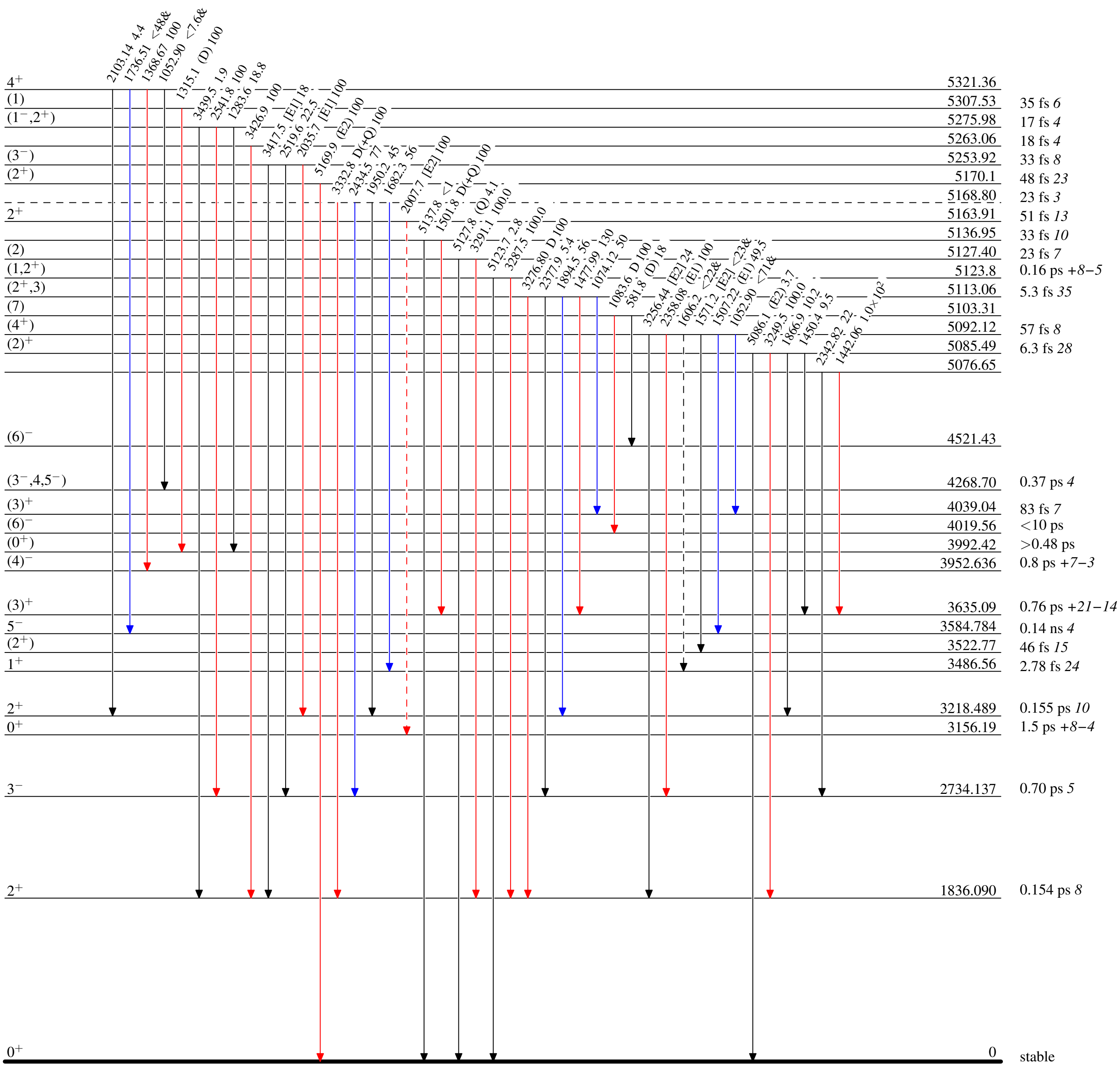
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

- $I_\gamma < 2\% \times I_\gamma^{max}$
- $I_\gamma < 10\% \times I_\gamma^{max}$
- $I_\gamma > 10\% \times I_\gamma^{max}$
- γ Decay (Uncertain)



$^{88}_{38}Sr_{50}$

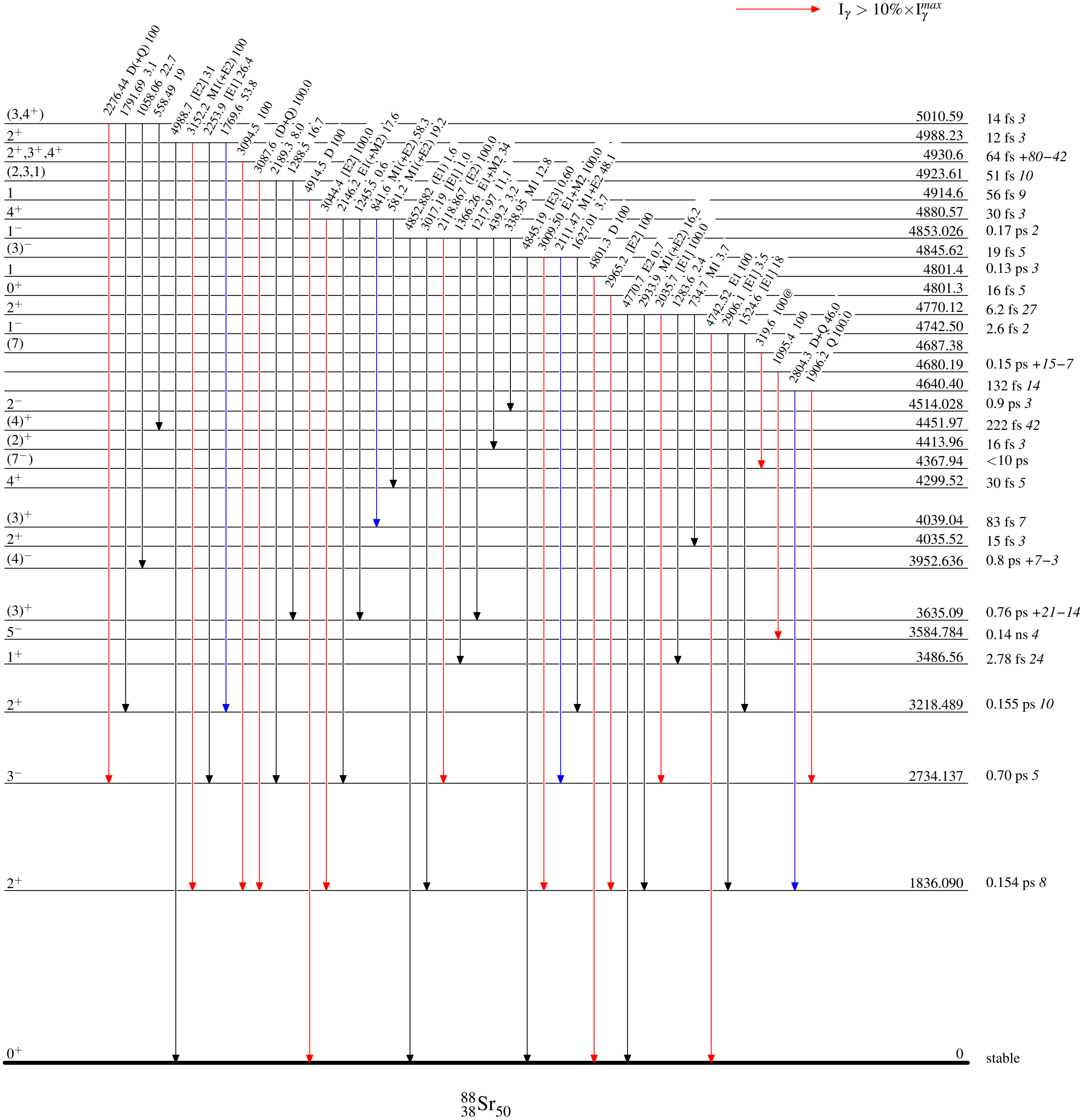
Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided

Legend

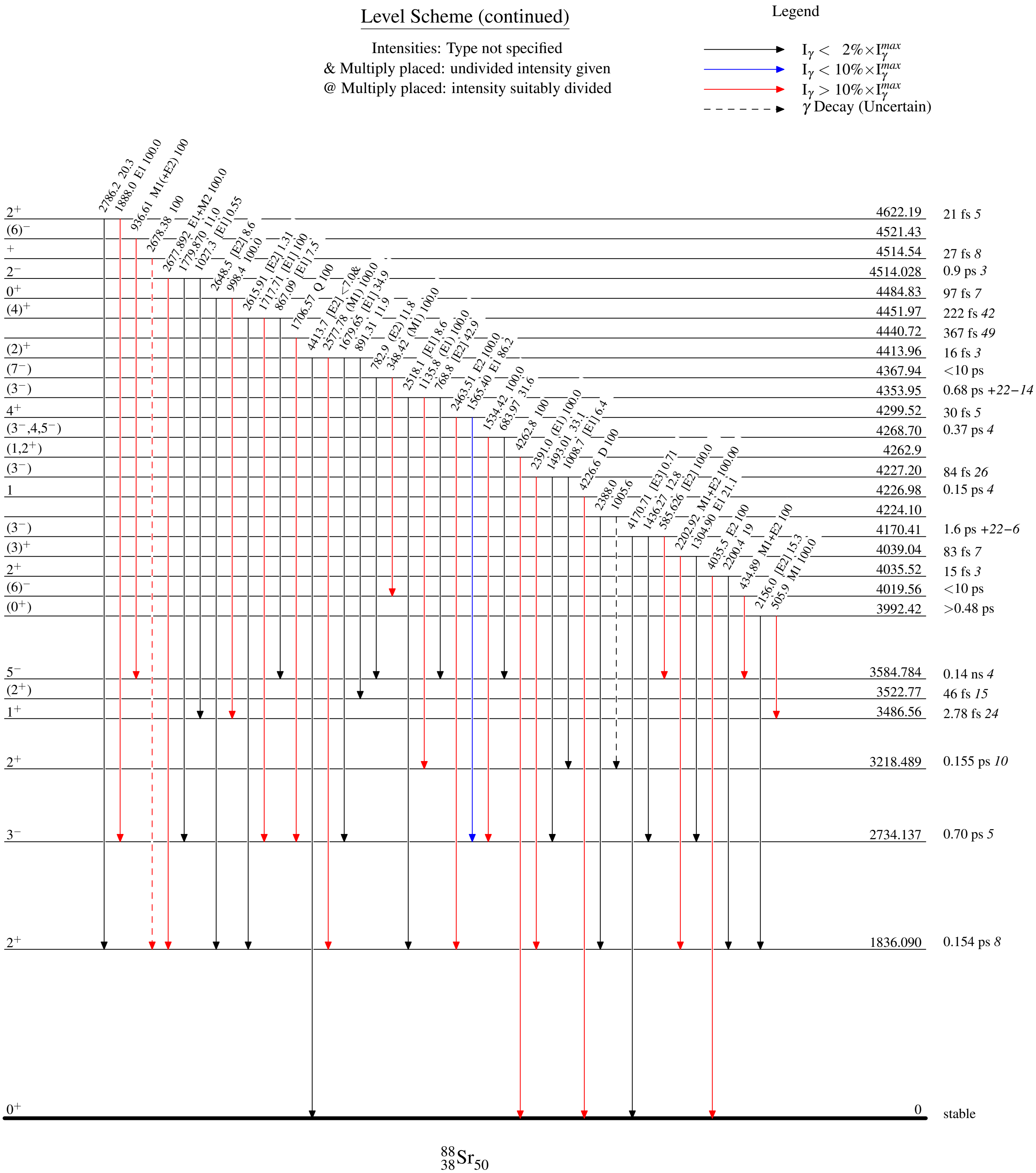
$I_\gamma < 2\% \times I_\gamma^{max}$
$I_\gamma < 10\% \times I_\gamma^{max}$
$I_\gamma > 10\% \times I_\gamma^{max}$



Adopted Levels, Gammas

Level Scheme (continued)

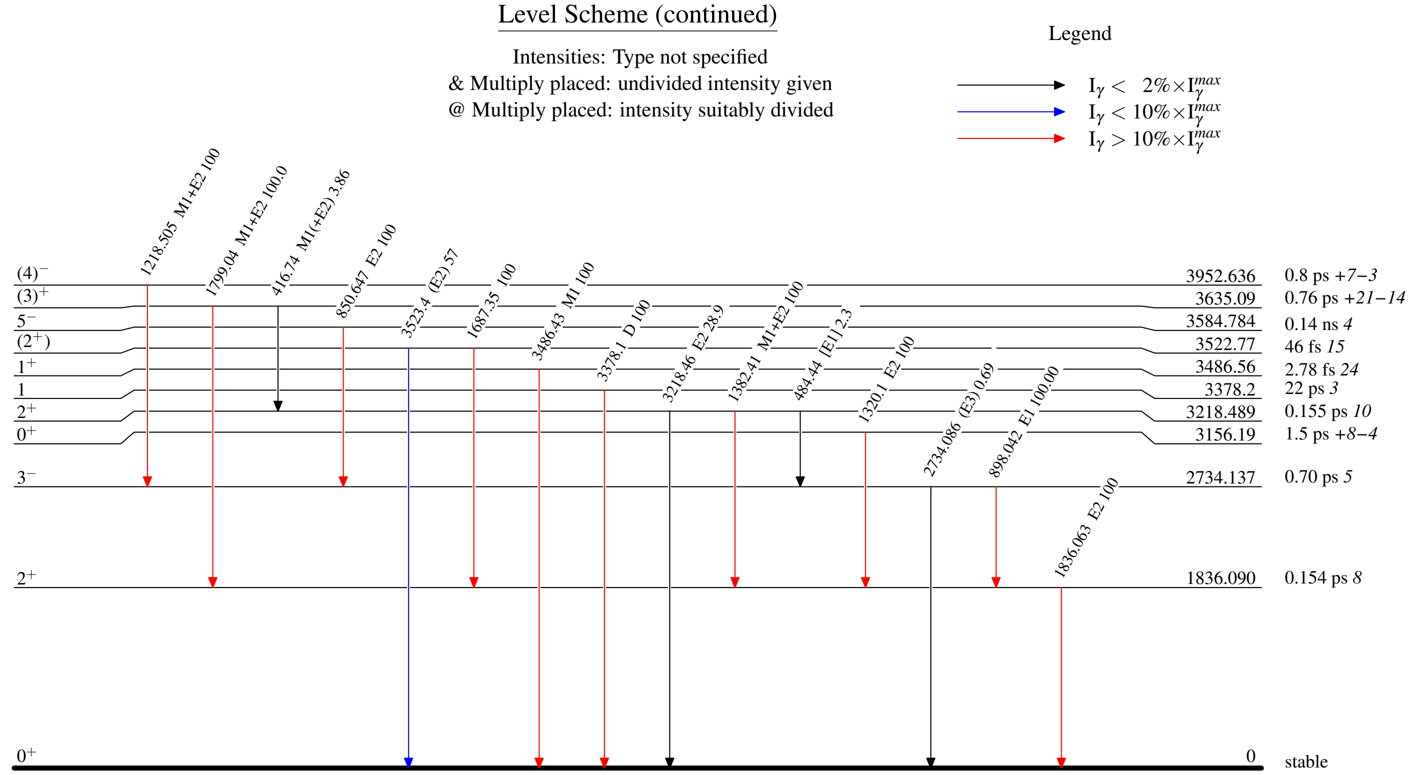
Intensities: Type not specified
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



Adopted Levels, Gammas

Level Scheme (continued)

Intensities: Type not specified
& Multiply placed: undivided intensity given
@ Multiply placed: intensity suitably divided



$^{88}_{38}Sr_{50}$