^{95}Rb β^- decay 1992KrZZ,1983Kr11

History

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

Parent: ^{95}Rb: E=0.0; J^π=5/2$^-$; $T_{1/2}$=377.7 ms *8*; Q(β^-)=9284 *21*; %β^- decay=100.0

1982Pa24 measured $\beta\gamma$-coincidences; scin, Ge(Li).

1992KrZZ,1983Kr11 measured γ's, γ(t), and $\gamma\gamma$-coin (Ge(Li)), ce$'$s (Si(Li)), γce-coin (Ge(Li),Si(Li)), and βce-coin (scin,Si(Li)) using ISOL-system OSTIS at Grenoble. See also ^{95}Rb β^-n decay.

The decay scheme is from 1992KrZZ and 1983Kr11, except as noted. Coincidences shown on the drawing are from 1982Pa24. Others: 1992PrZY, 1982DaZY, 1980De02, 1975Gu03, and 1975Ba36.

α: Additional information 1.

^{95}Sr Levels

E(level)	J^{π}†	$T_{1/2}$‡	Comments
0.0	1/2$^+$	23.90 s *14*	
352.01 *6*	(3/2)$^+$		$T_{1/2}$: ≤20.9 ns *5*; upper limit from β-352γ(t).
556.06 *8*	(7/2)$^+$	21.9 ns *5*	
680.70 *6*	3/2$^+$,5/2$^+$		
1003.70 *10*	1/2$^+$,3/2,5/2		
1012.25 *8*	1/2$^+$,3/2$^+$,5/2$^+$		
1121.01 *10*	3/2$^+$ to 7/2$^+$		
1238.91 *14*	(9/2$^+$)		
1247.24 *25*	1/2,3/2,5/2		
1259.65 *8*	1/2$^+$,3/2,5/2		
1439.29 *10*	1/2$^+$,3/2,5/2		
1743.52 *11*			
1750.86 *14*	1/2$^+$ to 7/2		
1843.72 *11*			
1860.45 *16*			
1864.17 *16*	1/2$^+$ to 7/2		
1948.5 *3*			
1974.94 *18*	1/2$^+$ to 7/2		
2013.33 *21*	1/2$^+$,3/2,5/2		
2076.5 *3*			
2098.91 *16*	1/2$^+$,3/2,5/2		
2236.0 *3*			
2246.89 *18*	1/2$^+$,3/2,5/2		
2264.61 *19*			
2368.2? *4*			
2394.38 *19*			
2430.06 *19*			
2827.91 *23*			
2967.7 *3*	3/2,5/2,7/2		
2974.38 *18*	3/2,5/2,7/2		
3206.52 *18*	3/2,5/2,7/2		
3366.63 *13*	3/2$^-$,5/2$^-$,7/2$^-$		
3449.52 *16*	3/2$^-$,5/2$^-$,7/2$^-$		
3463.66 *17*	3/2,5/2		
3479.09 *12*	3/2$^-$,5/2$^-$,7/2$^-$		
3532.40 *20*	3/2 to 7/2		
3584.17 *13*	3/2$^-$,5/2$^-$,7/2$^-$		
3587.6 *3*	3/2,5/2		
3591.34 *19*	3/2 to 7/2		
3597.86 *20*	3/2$^-$,5/2$^-$,7/2$^-$		
3605.67 *23*	3/2$^-$,5/2$^-$		
3612.33 *14*	3/2$^-$,5/2$^-$,7/2$^-$		

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^{95}Rb β^- decay 1992KrZZ,1983Kr11 (continued)

^{95}Sr Levels (continued)

E(level)	J$^\pi$†	E(level)	J$^\pi$†	E(level)	J$^\pi$†
3624.7 *4*	3/2,5/2,7/2	3986.3 *4*	3/2,5/2,7/2	4312.4 *4*	3/2,5/2,7/2
3635.62 *13*	3/2$^-$,5/2$^-$,7/2$^-$	4163.6 *5*	1/2$^+$,3/2,5/2	≈4.37×10^3	3/2$^-$
3708.64 *24*	3/2,5/2	4230.5 *3*	3/2,5/2	4570.7 *7*	1/2$^+$ to 7/2
3712.1 *4*	3/2,5/2,7/2	4247.9 *4*	3/2,5/2,7/2	4661.3? *8*	
3801.79 *20*	3/2 to 7/2	4278.5 *6*	1/2$^+$ to 7/2		
3940.3 *4*	1/2$^+$,3/2,5/2	4292.4 *7*	1/2$^+$,3/2,5/2		

† From the Adopted Levels. See 1983Kr11 for other suggested spins and parities based on β-feedings, multipolarities, and cascading of γ-deexcitations. Although the log ft's for transitions to states between 3.8 and 4.5 MeV suggest first-forbidden transitions, 1983Kr11 note that allowed is more probable since the strength of the underlying shell-model state has been fragmented over a large number of narrowly spaced negative-parity states.

‡ From Adopted Levels.

β^- radiations

1985IaZZ measured β-, γ 's; ΔE/E telescope (HPGe,Si).
See 1983Kr11 and 1985IaZZ for the deduced β-strength function.

E(decay)	E(level)	Iβ^-†‡@	Log ft‡	Comments
(4623& *21*)	4661.3?	0.010 *5*	7.55 *22*	av Eβ=2045 *11*
(4713 *21*)	4570.7	0.059 *20*	6.82 *15*	av Eβ=2088 *11*
(4914 *21*)	≈4370	0.50# *6*	≈6.0	
(4972 *21*)	4312.4	0.20 *4*	6.39 *9*	av Eβ=2213 *11*
(4992 *21*)	4292.4	0.064 *20*	6.90 *14*	av Eβ=2222 *11*
(5006 *21*)	4278.5	0.049 *20*	7.02 *18*	av Eβ=2229 *11*
(5036 *21*)	4247.9	0.26 *5*	6.30 *9*	av Eβ=2244 *11*
(5054 *21*)	4230.5	0.19 *4*	6.45 *10*	av Eβ=2252 *11*
(5120 *21*)	4163.6	0.14 *3*	6.61 *10*	av Eβ=2284 *11*
(5298 *21*)	3986.3	0.28 *5*	6.37 *8*	av Eβ=2370 *11*
(5344 *21*)	3940.3	0.20 *5*	6.53 *11*	av Eβ=2392 *11*
(5482 *21*)	3801.79	0.95 *12*	5.91 *6*	av Eβ=2459 *11*
(5572 *21*)	3712.1	0.34 *6*	6.39 *8*	av Eβ=2502 *11*
(5575 *21*)	3708.64	0.67 *9*	6.09 *6*	av Eβ=2504 *11*
(5648 *21*)	3635.62	5.0 *5*	5.24 *5*	av Eβ=2539 *11*
(5659 *21*)	3624.7	0.44 *8*	6.30 *8*	av Eβ=2544 *11*
(5672 *21*)	3612.33	3.7 *4*	5.38 *5*	av Eβ=2550 *11*
(5678 *21*)	3605.67	3.1 *4*	5.46 *6*	av Eβ=2553 *11*
(5686 *21*)	3597.86	2.2 *3*	5.61 *6*	av Eβ=2557 *11*
(5693 *21*)	3591.34	1.54 *17*	5.77 *5*	av Eβ=2560 *11*
(5696 *21*)	3587.6	1.32 *14*	5.84 *5*	av Eβ=2562 *11*
(5700 *21*)	3584.17	4.0 *4*	5.36 *5*	av Eβ=2564 *11*
(5752 *21*)	3532.40	1.13 *14*	5.93 *6*	av Eβ=2589 *11*
(5805 *21*)	3479.09	9.4 *9*	5.02 *5*	av Eβ=2614 *11*
(5820 *21*)	3463.66	1.48 *16*	5.83 *5*	av Eβ=2622 *11*
(5834 *21*)	3449.52	2.7 *4*	5.58 *7*	av Eβ=2629 *11*
(5917 *21*)	3366.63	7.7 *12*	5.15 *7*	av Eβ=2669 *11*
(6077 *21*)	3206.52	0.72 *9*	6.23 *6*	av Eβ=2746 *11*
(6310 *21*)	2974.38	0.92 *11*	6.20 *6*	av Eβ=2858 *11*
(6316 *21*)	2967.7	1.06 *15*	6.14 *7*	av Eβ=2861 *11*
(6456 *21*)	2827.91	0.39 *7*	6.62 *8*	av Eβ=2929 *11*

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^{95}Rb β^- decay 1992KrZZ,1983Kr11 (continued)

β^- radiations (continued)

E(decay)	E(level)	Iβ^- †‡@	Log *ft*‡	Comments
(6854 *21*)	2430.06	0.62 *12*	6.53 *9*	av Eβ=3121 *11*
(6890 *21*)	2394.38	0.57 *7*	6.58 *6*	av Eβ=3138 *11*
(6916& *21*)	2368.2?	0.05 *3*	7.6 *3*	av Eβ=3150 *11*
(7019 *21*)	2264.61	0.41 *13*	6.76 *14*	av Eβ=3200 *11*
(7037 *21*)	2246.89	0.42 *9*	6.75 *10*	av Eβ=3209 *11*
(7048 *21*)	2236.0	0.089 *21*	7.43 *11*	av Eβ=3214 *11*
(7185 *21*)	2098.91	0.75 *11*	6.54 *7*	av Eβ=3280 *11*
(7208 *21*)	2076.5	0.26 *7*	7.01 *12*	av Eβ=3291 *11*
(7271 *21*)	2013.33	0.80 *10*	6.54 *6*	av Eβ=3322 *11*
(7309 *21*)	1974.94	0.62 *9*	6.66 *7*	av Eβ=3340 *11*
(7336 *21*)	1948.5	0.33 *6*	6.94 *8*	av Eβ=3353 *11*
(7420 *21*)	1864.17	1.02 *24*	6.47 *11*	av Eβ=3393 *11*
(7440 *21*)	1843.72	0.60 *22*	6.71 *16*	av Eβ=3403 *11*
(7533 *21*)	1750.86	0.58 *13*	6.75 *10*	av Eβ=3448 *11*
(7845& *21*)	1439.29	0.6 *5*	6.8 *4*	av Eβ=3598 *11*
(8024 *21*)	1259.65	2.3 *12*	6.28 *23*	av Eβ=3685 *11*
(8163 *21*)	1121.01	2.5 *6*	6.27 *11*	av Eβ=3752 *11*
(8272 *21*)	1012.25	1.8 *5*	6.44 *12*	av Eβ=3804 *11*
(8280 *21*)	1003.70	0.74 *24*	6.83 *14*	av Eβ=3808 *11*
8600 *60*	680.70	5.9 *16*	6.01 *12*	av Eβ=3964 *11*
(8728 *21*)	556.06	6.0 *12*	6.03 *9*	av Eβ=4024 *11*
(8932& *21*)	352.01	≤0.2	≥7.6	av Eβ=4122 *11*
(9284& *21*)	0.0	≤0.1	≥10.2^{1u}	av Eβ=4291 *11*

† Calculated by the evaluator from intensity balancing at state, except as noted.

‡ Iβ and log *ft* values derived by the evaluator differ somewhat from those suggested by 1983Kr11; primarily due to the adoption of %Iγ(352γ)=49 *3* instead of 57% *4*. Since there are 56 unplaced γ's therefore the log *ft* values are highly tentative.

From neutron feeding to ^{94}Sr g.s.

@ Absolute intensity per 100 decays.

& Existence of this branch is questionable.

γ(^{95}Sr)

Iγ normalization: From %Iγ(352γ)=49 *3* and Iγ(352γ)=100.
Other: 1979Bo26.

E_γ[†]	I_γ[†#]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[‡]	α	Comments
124.6[&] *2*	0.49 *10*	680.70	3/2$^+$,5/2$^+$	556.06	(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* Mult.: [E2] from α(K)exp.
204.0 *1*	30.8 *15*	556.06	(7/2)$^+$	352.01	(3/2)$^+$	E2	0.0752	α(K)exp=6.7×10^{-2} *4* α(K)=0.0653 *10*; α(L)=0.00831 *12*; α(M)=0.001396 *20*; α(N)=0.0001682 *24* α(O)=8.98×10^{-6} *13*; α(N+..)=0.000177 *3* Mult.: E2 from α(K)exp.
256.0 *2*	0.20 *4*	1259.65	1/2$^+$,3/2,5/2	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* Mult.: from α(K)exp.
328.7 *1*	19.0 *12*	680.70	3/2$^+$,5/2$^+$	352.01	(3/2)$^+$	M1	0.00718 *10*	α(K)exp=5.4×10^{-3} *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.: M1 from α(K)exp.
331.6 *2*	3.2 *4*	1012.25	1/2$^+$,3/2$^+$,5/2$^+$	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*
352.0 *1*	100	352.01	(3/2)$^+$	0.0	1/2$^+$	M1	0.00607 *9*	α(K)exp=5.0×10^{-3} *5* α(K)=0.00537 *8*; α(L)=0.000591 *9*; α(M)=9.95×10^{-5} *14*; α(N)=1.249×10^{-5} *18*; α(O)=8.12×10^{-7} *12* α(N+..)=1.330×10^{-5} *19* Mult.: M1 from α(K)exp. %Iγ: Affiliation method; Ge(Li). Others: 47.5% *21* (revised by evaluator from 57% *4* (1983Kr11. %Iγ(^{95}Y 954γ)=19 *2*; %β^-n(^{95}Rb)=8.6 *5*) using current values) and 46% (1989WaZV. Ge(Li); assuming independent fission yields of 1988Wa12).
427.2 *2*	0.50 *8*	1439.29	1/2$^+$,3/2,5/2	1012.25	1/2$^+$,3/2$^+$,5/2$^+$			
435.5 *2*	0.80 *12*	1439.29	1/2$^+$,3/2,5/2	1003.70	1/2$^+$,3/2,5/2			
440.3 *3*	2.4 *5*	1121.01	3/2$^+$ to 7/2$^+$	680.70	3/2$^+$,5/2$^+$			
535.7 *2*	0.28 *6*	1974.94	1/2$^+$ to 7/2	1439.29	1/2$^+$,3/2,5/2			
565.0 *2*	3.7 *4*	1121.01	3/2$^+$ to 7/2$^+$	556.06	(7/2)$^+$			
578.9 *1*	5.5 *5*	1259.65	1/2$^+$,3/2,5/2	680.70	3/2$^+$,5/2$^+$			

γ(^{95}Sr) (continued)

E_γ†	I_γ†#	E_i(level)	J^π_i	E_f	J^π_f	Mult.‡	α	Comments
583.8 *3*	0.06 *3*	1843.72		1259.65	1/2$^+$,3/2,5/2			
604.7 *2*	1.00 *12*	1843.72		1238.91	(9/2$^+$)			
622.3 *2*	0.20 *4*	1743.52		1121.01	3/2$^+$ to 7/2$^+$			
630.3 *3*	0.14 *3*	1750.86	1/2$^+$ to 7/2	1121.01	3/2$^+$ to 7/2$^+$			
^{x}638.2 *3*	0.08 *2*							
651.6 *2*	1.10 *13*	1003.70	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$			
660.2 *1*	8.4 *6*	1012.25	1/2$^+$,3/2$^+$,5/2$^+$	352.01	(3/2)$^+$	M1,E2	0.00152 *14*	α(K)exp=1.1×10^{-3} *3* 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*
680.7 *1*	30.3 *20*	680.70	3/2$^+$,5/2$^+$	0.0	1/2$^+$	M1,E2	0.00141 *12*	α(K)exp=1.1×10^{-3} *2* 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*
682.8 *4*	3.2 *6*	1238.91	(9/2$^+$)	556.06	(7/2)$^+$			
^{x}692.6 *3*	0.18 *4*							
^{x}697.5 *3*	0.19 *4*							
703.5 *2*	0.80 *15*	1259.65	1/2$^+$,3/2,5/2	556.06	(7/2)$^+$			
^{x}709.7 *3*	0.13 *3*							
^{x}714.9 *3*	0.09 *3*							
722.6 *2*	0.70 *15*	1843.72		1121.01	3/2$^+$ to 7/2$^+$			
731.3 *3*	0.23 *5*	1743.52		1012.25	1/2$^+$,3/2$^+$,5/2$^+$			
739.4 *3*	0.30 *8*	1860.45		1121.01	3/2$^+$ to 7/2$^+$			
747.0 *3*	0.07 *3*	1750.86	1/2$^+$ to 7/2	1003.70	1/2$^+$,3/2,5/2			
758.9 *3*	0.12 *4*	1439.29	1/2$^+$,3/2,5/2	680.70	3/2$^+$,5/2$^+$			
769.0 *2*	9.0 *7*	1121.01	3/2$^+$ to 7/2$^+$	352.01	(3/2)$^+$			
^{x}791.3 *3*	0.08 *3*							
^{x}796.9 *3*	0.18 *4*							
831.3 *3*	1.9 *3*	1843.72		1012.25	1/2$^+$,3/2$^+$,5/2$^+$			
839.2 *3*	0.26 *12*	2098.91	1/2$^+$,3/2,5/2	1259.65	1/2$^+$,3/2,5/2			
^{x}873.7 *3*	0.08 *3*							
886.7 *3*	0.34 *8*	1238.91	(9/2$^+$)	352.01	(3/2)$^+$			
907.6 *2*	2.7 *4*	1259.65	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$			
^{x}930.6 *3*	0.05 *3*							
955.5 *4*	0.03 *8*	2076.5		1121.01	3/2$^+$ to 7/2$^+$			
976.3 *3*	0.18 *4*	2236.0		1259.65	1/2$^+$,3/2,5/2			
^{x}995.3 *3*	0.21 *4*							
1003.7 *2*	4.0 *4*	1003.70	1/2$^+$,3/2,5/2	0.0	1/2$^+$			
1012.2 *3*	0.30 *6*	1012.25	1/2$^+$,3/2$^+$,5/2$^+$	0.0	1/2$^+$			
^{x}1020.0 *3*	0.22 *4*							
^{x}1033.6 *3*	0.23 *4*							
^{x}1042.7 *4*	0.05 *3*							
1048.6 *3*	0.09 *3*	3479.09	3/2$^-$,5/2$^-$,7/2$^-$	2430.06				

From ENSDF

γ(^{95}Sr) (continued)

E_γ[†]	I_γ[†#]	E_i(level)	J_i^π	E_f	J_f^π
^{x}1056.9 *3*	0.08 *3*				
1062.8 *2*	1.5 *3*	1743.52		680.70	3/2$^+$,5/2$^+$
1069.9 *3*	0.87 *12*	1750.86	1/2$^+$ to 7/2	680.70	3/2$^+$,5/2$^+$
1084.4 *3*	0.50 *10*	2827.91		1743.52	
1087.3 *3*	0.50 *10*	1439.29	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$
^{x}1095.3 *3*	0.15 *4*				
1110.5 *3*	0.26 *6*	2974.38	3/2,5/2,7/2	1864.17	1/2$^+$ to 7/2
1120.0 *3*	0.39 *8*	3366.63	3/2$^-$,5/2$^-$,7/2$^-$	2246.89	1/2$^+$,3/2,5/2
^{x}1130.2 *3*	0.15 *4*				
^{x}1142.2 *3*	0.28 *7*				
1163.0 *3*	0.52 *10*	1843.72		680.70	3/2$^+$,5/2$^+$
1179.8 *3*	1.20 *20*	1860.45		680.70	3/2$^+$,5/2$^+$
1187.2 *3*	0.35 *7*	1743.52		556.06	(7/2)$^+$
1195.0 *3*	0.32 *7*	1750.86	1/2$^+$ to 7/2	556.06	(7/2)$^+$
1247.2[@] *4*	1.27[@] *20*	1247.24	1/2,3/2,5/2	0.0	1/2$^+$
1247.2[@&] *4*	0.11[@] *6*	2368.2?		1121.01	3/2$^+$ to 7/2$^+$
1259.7 *2*	6.9 *6*	1259.65	1/2$^+$,3/2,5/2	0.0	1/2$^+$
^{x}1264.1 *3*	0.22 *5*				
1267.8 *3*	0.67 *10*	1948.5		680.70	3/2$^+$,5/2$^+$
1273.5 *3*	0.16 *4*	2394.38		1121.01	3/2$^+$ to 7/2$^+$
^{x}1288.4 *3*	0.18 *4*				
^{x}1302.8 *4*	0.15 *5*				
1304.6 *4*	0.30 *8*	1860.45		556.06	(7/2)$^+$
1308.0 *3*	0.70 *20*	1864.17	1/2$^+$ to 7/2	556.06	(7/2)$^+$
1308.8 *3*	0.70 *20*	2430.06		1121.01	3/2$^+$ to 7/2$^+$
1319.7 *3*	0.51 *10*	3584.17	3/2$^-$,5/2$^-$,7/2$^-$	2264.61	
^{x}1342.4 *4*	0.11 *3*				
^{x}1353.5 *4*	0.50 *20*				
^{x}1363.0 *4*	0.25 *6*				
1370.8 *3*	0.30 *6*	3635.62	3/2$^-$,5/2$^-$,7/2$^-$	2264.61	
1381.8 *3*	0.28 *6*	2394.38		1012.25	1/2$^+$,3/2$^+$,5/2$^+$
1395.7 *4*	0.50 *10*	2076.5		680.70	3/2$^+$,5/2$^+$
1398.6 *4*	0.80 *15*	1750.86	1/2$^+$ to 7/2	352.01	(3/2)$^+$
1418.6 *3*	0.58 *10*	2098.91	1/2$^+$,3/2,5/2	680.70	3/2$^+$,5/2$^+$
1439.2 *2*	7.4 *6*	1439.29	1/2$^+$,3/2,5/2	0.0	1/2$^+$
^{x}1474.7 *3*	0.76 *10*				
^{x}1481.5 *4*	0.12 *3*				
1512.1 *3*	2.5 *4*	1864.17	1/2$^+$ to 7/2	352.01	(3/2)$^+$
1522.7 *3*	0.80 *10*	3366.63	3/2$^-$,5/2$^-$,7/2$^-$	1843.72	
1528.5 *3*	1.95 *25*	2967.7	3/2,5/2,7/2	1439.29	1/2$^+$,3/2,5/2
^{x}1553.4 *3*	0.53 *8*				
^{x}1584.7 *3*	0.30 *6*				
^{x}1609.3 *3*	0.28 *6*				

γ(^{95}Sr) (continued)

E_γ †	I_γ †#	E_i(level)	J_i^π	E_f	J_f^π
1622.8 3	0.99 15	1974.94	1/2$^+$ to 7/2	352.01	(3/2)$^+$
1623.0 4	0.11 4	3366.63	3/2$^-$,5/2$^-$,7/2$^-$	1743.52	
1635.0 3	0.13 4	3479.09	3/2$^-$,5/2$^-$,7/2$^-$	1843.72	
^{x}1654.0 3	0.20 5				
1661.5 3	0.92 12	2013.33	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$
^{x}1678.0 5	0.15 5				
^{x}1681.0 5	0.15 5				
1708.5 3	1.65 23	2264.61		556.06	(7/2)$^+$
1714.5 4	0.12 4	2974.38	3/2,5/2,7/2	1259.65	1/2$^+$,3/2,5/2
1719.6 3	0.75 10	3584.17	3/2$^-$,5/2$^-$,7/2$^-$	1864.17	1/2$^+$ to 7/2
1723.5 3	1.02 15	3584.17	3/2$^-$,5/2$^-$,7/2$^-$	1860.45	
1735.6 3	0.30 10	3479.09	3/2$^-$,5/2$^-$,7/2$^-$	1743.52	
1740.5 3	0.20 6	3584.17	3/2$^-$,5/2$^-$,7/2$^-$	1843.72	
1746.7 3	0.34 10	2098.91	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$
1748.0 4	0.12 6	3612.33	3/2$^-$,5/2$^-$,7/2$^-$	1864.17	1/2$^+$ to 7/2
1752.6 4	0.42 10	3612.33	3/2$^-$,5/2$^-$,7/2$^-$	1860.45	
1768.3 3	0.90 12	3612.33	3/2$^-$,5/2$^-$,7/2$^-$	1843.72	
1775.0 4	1.06 15	3635.62	3/2$^-$,5/2$^-$,7/2$^-$	1860.45	
1791.7 3	0.94 12	3635.62	3/2$^-$,5/2$^-$,7/2$^-$	1843.72	
^{x}1813.5 3	0.39 6				
^{x}1819.0 3	0.19 4				
1833.4 3	1.03 12	3584.17	3/2$^-$,5/2$^-$,7/2$^-$	1750.86	1/2$^+$ to 7/2
1838.5 3	0.72 10	2394.38		556.06	(7/2)$^+$
1854.2 3	0.28 8	3597.86	3/2$^-$,5/2$^-$,7/2$^-$	1743.52	
1868.4 3	0.55 13	3612.33	3/2$^-$,5/2$^-$,7/2$^-$	1743.52	
^{x}1870.0 4	0.28 8				
1873.8 3	0.64 10	2430.06		556.06	(7/2)$^+$
1891.8 3	0.34 6	3635.62	3/2$^-$,5/2$^-$,7/2$^-$	1743.52	
1895.0 3	0.59 10	2246.89	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$
1927.3 3	5.0 7	3366.63	3/2$^-$,5/2$^-$,7/2$^-$	1439.29	1/2$^+$,3/2,5/2
1962.0 3	1.20 15	2974.38	3/2,5/2,7/2	1012.25	1/2$^+$,3/2$^+$,5/2$^+$
1963.8 4	0.20 5	2967.7	3/2,5/2,7/2	1003.70	1/2$^+$,3/2,5/2
^{x}1970.0 3	0.17 4				
2013.1 3	0.71 10	2013.33	1/2$^+$,3/2,5/2	0.0	1/2$^+$
2098.7 3	0.34 6	2098.91	1/2$^+$,3/2,5/2	0.0	1/2$^+$
2106.7 3	1.5 20	3366.63	3/2$^-$,5/2$^-$,7/2$^-$	1259.65	1/2$^+$,3/2,5/2
2152.0 3	0.52 10	3591.34	3/2 to 7/2	1439.29	1/2$^+$,3/2,5/2
2203.0 3	0.26 5	3206.52	3/2,5/2,7/2	1003.70	1/2$^+$,3/2,5/2
2219.4 3	3.6 4	3479.09	3/2$^-$,5/2$^-$,7/2$^-$	1259.65	1/2$^+$,3/2,5/2
2240.1 3	0.30 6	3479.09	3/2$^-$,5/2$^-$,7/2$^-$	1238.91	(9/2$^+$)
2247.0 3	0.65 10	2246.89	1/2$^+$,3/2,5/2	0.0	1/2$^+$
2271.8 3	0.30 6	2827.91		556.06	(7/2)$^+$
2293.6 3	0.30 6	3532.40	3/2 to 7/2	1238.91	(9/2$^+$)

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

E_γ [†]	I_γ [†#]	E_i(level)	J_i^π	E_f	J_f^π
2324.6 *3*	2.3 *3*	3584.17	$3/2^-,5/2^-,7/2^-$	1259.65	$1/2^+,3/2,5/2$
[x]2331.0 *3*	0.60 *10*				
2338.6 *4*	0.94 *15*	3597.86	$3/2^-,5/2^-,7/2^-$	1259.65	$1/2^+,3/2,5/2$
2340.0 *5*	0.40 *8*	3587.6	3/2,5/2	1247.24	1/2,3/2,5/2
2342.6 *4*	0.32 *6*	3463.66	3/2,5/2	1121.01	$3/2^+$ to $7/2^+$
[x]2344.6 *4*	0.45 *8*				
2358.0[@] *3*	4.3[@] *5*	3479.09	$3/2^-,5/2^-,7/2^-$	1121.01	$3/2^+$ to $7/2^+$
2358.0[@] *5*	0.71[@] *20*	3605.67	$3/2^-,5/2^-$	1247.24	1/2,3/2,5/2
2373.3 *4*	2.6 *5*	3612.33	$3/2^-,5/2^-,7/2^-$	1238.91	$(9/2^+)$
2376.0 *4*	1.9 *4*	3635.62	$3/2^-,5/2^-,7/2^-$	1259.65	$1/2^+,3/2,5/2$
[x]2397.5 *3*	0.44 *8*				
[x]2405.7 *3*	0.31 *6*				
2418.2 *3*	0.30 *6*	2974.38	3/2,5/2,7/2	556.06	$(7/2)^+$
2437.3 *3*	0.53 *8*	3449.52	$3/2^-,5/2^-,7/2^-$	1012.25	$1/2^+,3/2^+,5/2^+$
2451.2 *3*	0.70 *15*	3463.66	3/2,5/2	1012.25	$1/2^+,3/2^+,5/2^+$
2460.0 *4*	0.40 *10*	3463.66	3/2,5/2	1003.70	$1/2^+,3/2,5/2$
2461.8 *4*	0.50 *10*	3708.64	3/2,5/2	1247.24	1/2,3/2,5/2
2463.3 *4*	1.27 *25*	3584.17	$3/2^-,5/2^-,7/2^-$	1121.01	$3/2^+$ to $7/2^+$
2466.8 *3*	1.58 *20*	3479.09	$3/2^-,5/2^-,7/2^-$	1012.25	$1/2^+,3/2^+,5/2^+$
2492.0 *5*	0.20 *5*	3612.33	$3/2^-,5/2^-,7/2^-$	1121.01	$3/2^+$ to $7/2^+$
2514.7 *3*	1.33 *18*	3635.62	$3/2^-,5/2^-,7/2^-$	1121.01	$3/2^+$ to $7/2^+$
2525.7 *3*	0.32 *6*	3206.52	3/2,5/2,7/2	680.70	$3/2^+,5/2^+$
2542.0 *3*	0.40 *10*	3801.79	3/2 to 7/2	1259.65	$1/2^+,3/2,5/2$
[x]2564.9 *4*	0.45 *10*				
2571.8 *3*	0.29 *6*	3584.17	$3/2^-,5/2^-,7/2^-$	1012.25	$1/2^+,3/2^+,5/2^+$
2584.5 *5*	0.31 *6*	3587.6	3/2,5/2	1003.70	$1/2^+,3/2,5/2$
2593.8 *4*	0.56 *8*	3597.86	$3/2^-,5/2^-,7/2^-$	1003.70	$1/2^+,3/2,5/2$
2600.1 *3*	0.45 *8*	3612.33	$3/2^-,5/2^-,7/2^-$	1012.25	$1/2^+,3/2^+,5/2^+$
2623.5 *3*	0.70 *10*	3635.62	$3/2^-,5/2^-,7/2^-$	1012.25	$1/2^+,3/2^+,5/2^+$
2632.3 *5*	0.09 *4*	3635.62	$3/2^-,5/2^-,7/2^-$	1003.70	$1/2^+,3/2,5/2$
2650.3 *3*	0.88 *12*	3206.52	3/2,5/2,7/2	556.06	$(7/2)^+$
2681.0 *4*	0.23 *6*	3801.79	3/2 to 7/2	1121.01	$3/2^+$ to $7/2^+$
2685.9 *3*	2.2 *4*	3366.63	$3/2^-,5/2^-,7/2^-$	680.70	$3/2^+,5/2^+$
2704.5 *4*	0.22 *6*	3708.64	3/2,5/2	1003.70	$1/2^+,3/2,5/2$
2768.8 *3*	0.69 *10*	3449.52	$3/2^-,5/2^-,7/2^-$	680.70	$3/2^+,5/2^+$
2782.7 *4*	0.32 *8*	3463.66	3/2,5/2	680.70	$3/2^+,5/2^+$
2798.6 *3*	8.5 *10*	3479.09	$3/2^-,5/2^-,7/2^-$	680.70	$3/2^+,5/2^+$
2810.6 *3*	3.1 *5*	3366.63	$3/2^-,5/2^-,7/2^-$	556.06	$(7/2)^+$
2851.6 *3*	1.00 *16*	3532.40	3/2 to 7/2	680.70	$3/2^+,5/2^+$
[x]2863.7 *4*	0.20 *5*				
2873.2 *4*	0.29 *6*	4312.4	3/2,5/2,7/2	1439.29	$1/2^+,3/2,5/2$
2893.3 *3*	1.07 *18*	3449.52	$3/2^-,5/2^-,7/2^-$	556.06	$(7/2)^+$
2903.6 *4*	0.66 *10*	3584.17	$3/2^-,5/2^-,7/2^-$	680.70	$3/2^+,5/2^+$

γ(^{95}Sr) (continued)

E_γ †	I_γ †#	E_i(level)	J^π_i	E_f	J^π_f
2910.5 *3*	1.12 *18*	3591.34	3/2 to 7/2	680.70	3/2$^+$,5/2$^+$
2925.1 *4*	0.42 *8*	3605.67	3/2$^-$,5/2$^-$	680.70	3/2$^+$,5/2$^+$
2931.6 *4*	1.5 *2*	3612.33	3/2$^-$,5/2$^-$,7/2$^-$	680.70	3/2$^+$,5/2$^+$
2955.1 *3*	2.4 *4*	3635.62	3/2$^-$,5/2$^-$,7/2$^-$	680.70	3/2$^+$,5/2$^+$
2970.5 *4*	0.07 *3*	4230.5	3/2,5/2	1259.65	1/2$^+$,3/2,5/2
2982.6 *4*	0.49 *8*	3986.3	3/2,5/2,7/2	1003.70	1/2$^+$,3/2,5/2
3014.7 *3*	2.5 *4*	3366.63	3/2$^-$,5/2$^-$,7/2$^-$	352.01	(3/2)$^+$
3028.0 *5*	0.20 *5*	3708.64	3/2,5/2	680.70	3/2$^+$,5/2$^+$
3031.2 *5*	0.15 *5*	3712.1	3/2,5/2,7/2	680.70	3/2$^+$,5/2$^+$
3035.5 *4*	0.21 *5*	3591.34	3/2 to 7/2	556.06	(7/2)$^+$
3056.0 *4*	0.63 *10*	3612.33	3/2$^-$,5/2$^-$,7/2$^-$	556.06	(7/2)$^+$
3079.6 *4*	1.20 *15*	3635.62	3/2$^-$,5/2$^-$,7/2$^-$	556.06	(7/2)$^+$
3097.5 *3*	3.2 *5*	3449.52	3/2$^-$,5/2$^-$,7/2$^-$	352.01	(3/2)$^+$
3111.8 *4*	0.51 *8*	3463.66	3/2,5/2	352.01	(3/2)$^+$
3120.9 *4*	0.93 *15*	3801.79	3/2 to 7/2	680.70	3/2$^+$,5/2$^+$
3128.1 *4*	0.40 *8*	3479.09	3/2$^-$,5/2$^-$,7/2$^-$	352.01	(3/2)$^+$
^{x}3148.2 *4*	0.40 *8*				
3180.2 *4*	1.00 *15*	3532.40	3/2 to 7/2	352.01	(3/2)$^+$
3235.0 *5*	1.17 *16*	3587.6	3/2,5/2	352.01	(3/2)$^+$
3239.2 *5*	1.27 *18*	3591.34	3/2 to 7/2	352.01	(3/2)$^+$
3245.9 *4*	2.6 *4*	3597.86	3/2$^-$,5/2$^-$,7/2$^-$	352.01	(3/2)$^+$
3253.6 *4*	4.8 *6*	3605.67	3/2$^-$,5/2$^-$	352.01	(3/2)$^+$
3261.0 *6*	0.14 *4*	3612.33	3/2$^-$,5/2$^-$,7/2$^-$	352.01	(3/2)$^+$
3272.6 *4*	0.90 *15*	3624.7	3/2,5/2,7/2	352.01	(3/2)$^+$
^{x}3316.9 *6*	0.07 *3*				
^{x}3345.4 *6*	0.02 *1*				
3360.2 *5*	0.54 *8*	3712.1	3/2,5/2,7/2	352.01	(3/2)$^+$
^{x}3398.8 *6*	0.12 *4*				
^{x}3440.7 *6*	0.10 *4*				
3449.8 *5*	0.37 *7*	3801.79	3/2 to 7/2	352.01	(3/2)$^+$
3464.0 *5*	0.75 *10*	3463.66	3/2,5/2	0.0	1/2$^+$
^{x}3523.4 *6*	0.19 *5*				
3567.0 *5*	0.44 *8*	4247.9	3/2,5/2,7/2	680.70	3/2$^+$,5/2$^+$
3587.8 *5*	0.80 *12*	3587.6	3/2,5/2	0.0	1/2$^+$
3588.2 *6*	0.25 *8*	3940.3	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$
3605.7 *5*	0.30 *6*	3605.67	3/2$^-$,5/2$^-$	0.0	1/2$^+$
3631.0 *8*	0.12 *4*	4312.4	3/2,5/2,7/2	680.70	3/2$^+$,5/2$^+$
3634.0 *8*	0.08 *4*	3986.3	3/2,5/2,7/2	352.01	(3/2)$^+$
3692.0 *8*	0.08 *4*	4247.9	3/2,5/2,7/2	556.06	(7/2)$^+$
^{x}3695.7 *8*	0.08 *4*				
3708.4 *5*	0.45 *8*	3708.64	3/2,5/2	0.0	1/2$^+$
^{x}3774.6 *6*	0.17 *4*				
^{x}3791.2 *6*	0.09 *4*				
3811.2 *6*	0.21 *5*	4163.6	1/2$^+$,3/2,5/2	352.01	(3/2)$^+$
^{x}3818.0 *6*	0.17 *4*				
^{x}3851.9 *6*	0.09 *4*				
3878.6 *6*	0.20 *5*	4230.5	3/2,5/2	352.01	(3/2)$^+$
3926.4 *6*	0.10 *4*	4278.5	1/2$^+$ to 7/2	352.01	(3/2)$^+$
3940.2 *6*	0.15 *4*	3940.3	1/2$^+$,3/2,5/2	0.0	1/2$^+$
^{x}4032.0 *7*	0.06 *3*				
^{x}4058.5 *6*	0.10 *4*				
^{x}4127.6 *7*	0.05 *2*				
^{x}4141.7 *8*	0.04 *2*				
4164.0 *7*	0.08 *3*	4163.6	1/2$^+$,3/2,5/2	0.0	1/2$^+$
4218.6 *7*	0.12 *4*	4570.7	1/2$^+$ to 7/2	352.01	(3/2)$^+$
4231.0 *7*	0.12 *4*	4230.5	3/2,5/2	0.0	1/2$^+$
4292.3 *7*	0.13 *4*	4292.4	1/2$^+$,3/2,5/2	0.0	1/2$^+$
4309.2& *8*	0.02 *1*	4661.3?		352.01	(3/2)$^+$

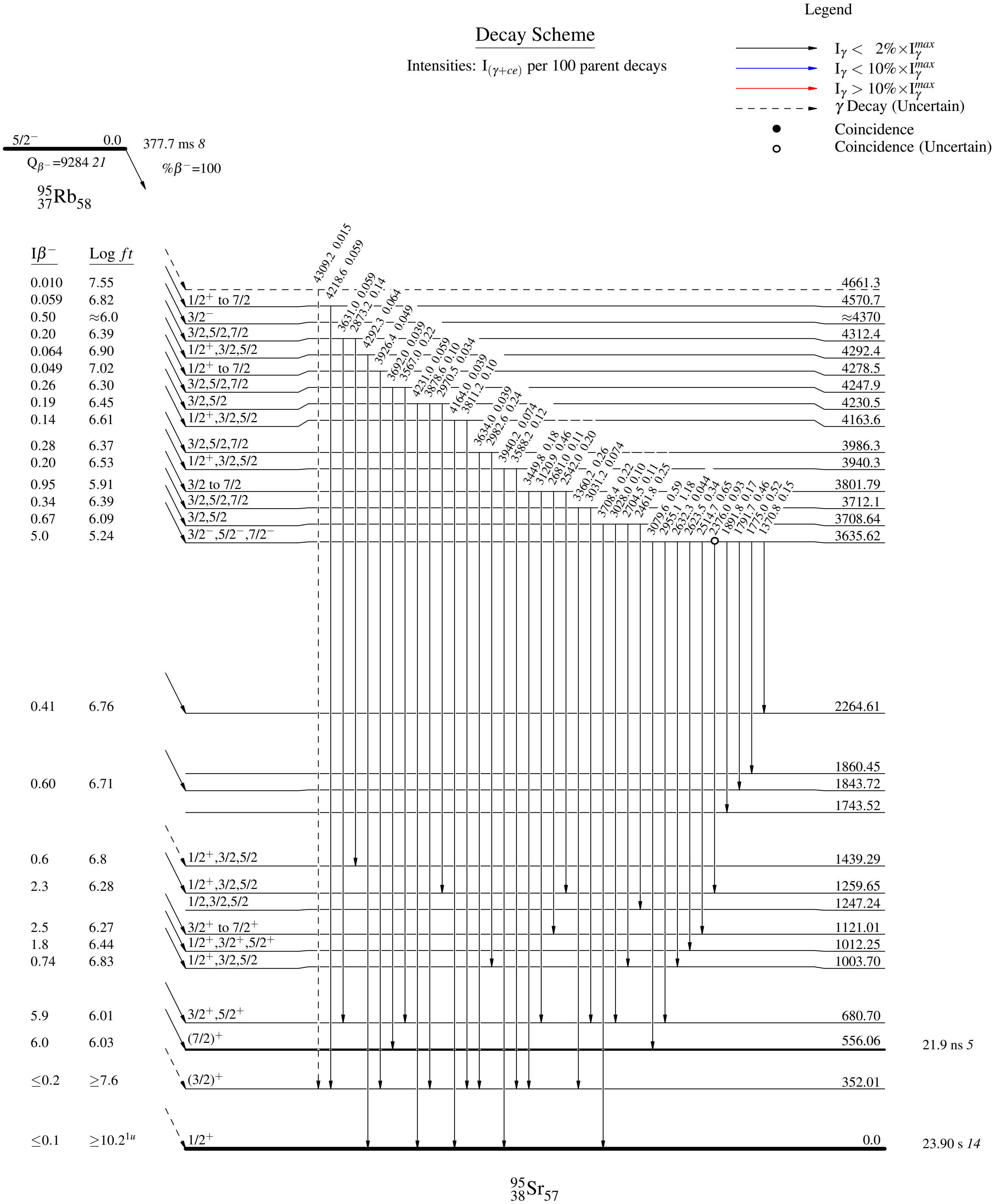
† From 1992KrZZ.
‡ From α(K)exp, except as noted.
\# For absolute intensity per 100 decays, multiply by 0.49 *3*.
@ Multiply placed with intensity suitably divided.
& Placement of transition in the level scheme is uncertain.
^{x} γ ray not placed in level scheme.

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

^{95}Rb β^- decay 1992KrZZ,1983Kr11

Decay Scheme

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

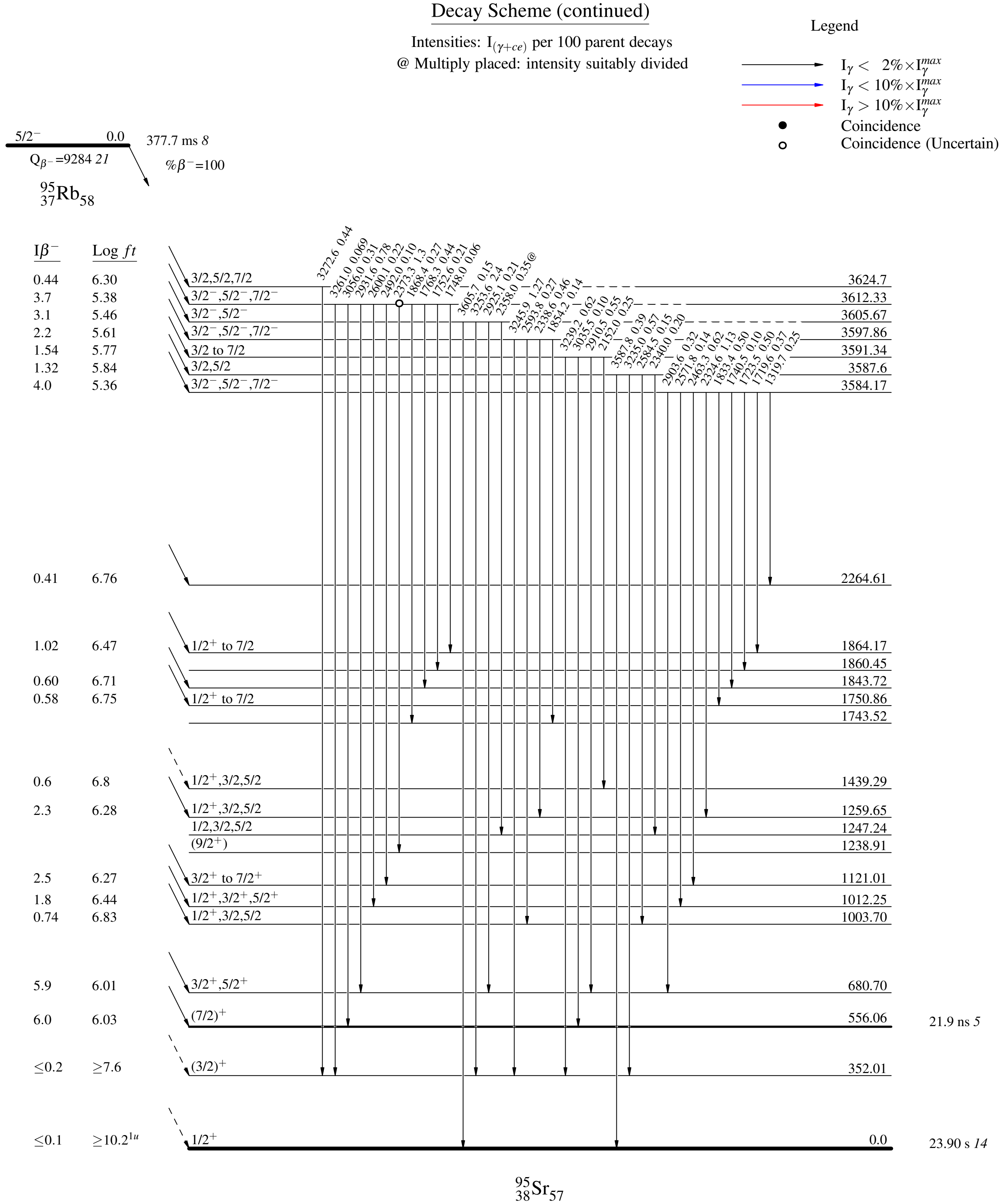


^{95}Rb β^- decay 1992KrZZ,1983Kr11

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays

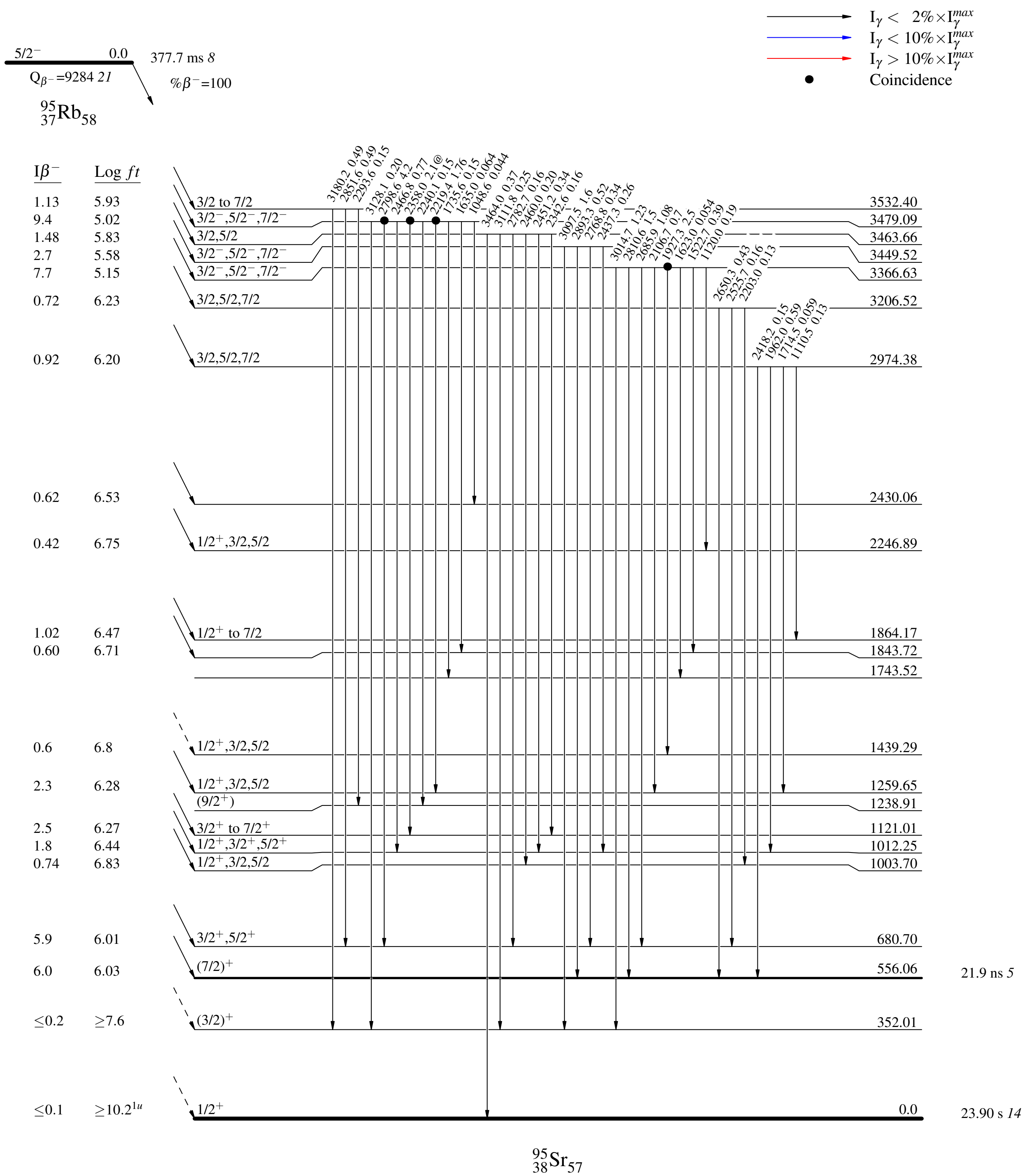
@ Multiply placed: intensity suitably divided



^{95}Rb β^- decay 1992KrZZ,1983Kr11

Decay Scheme (continued)

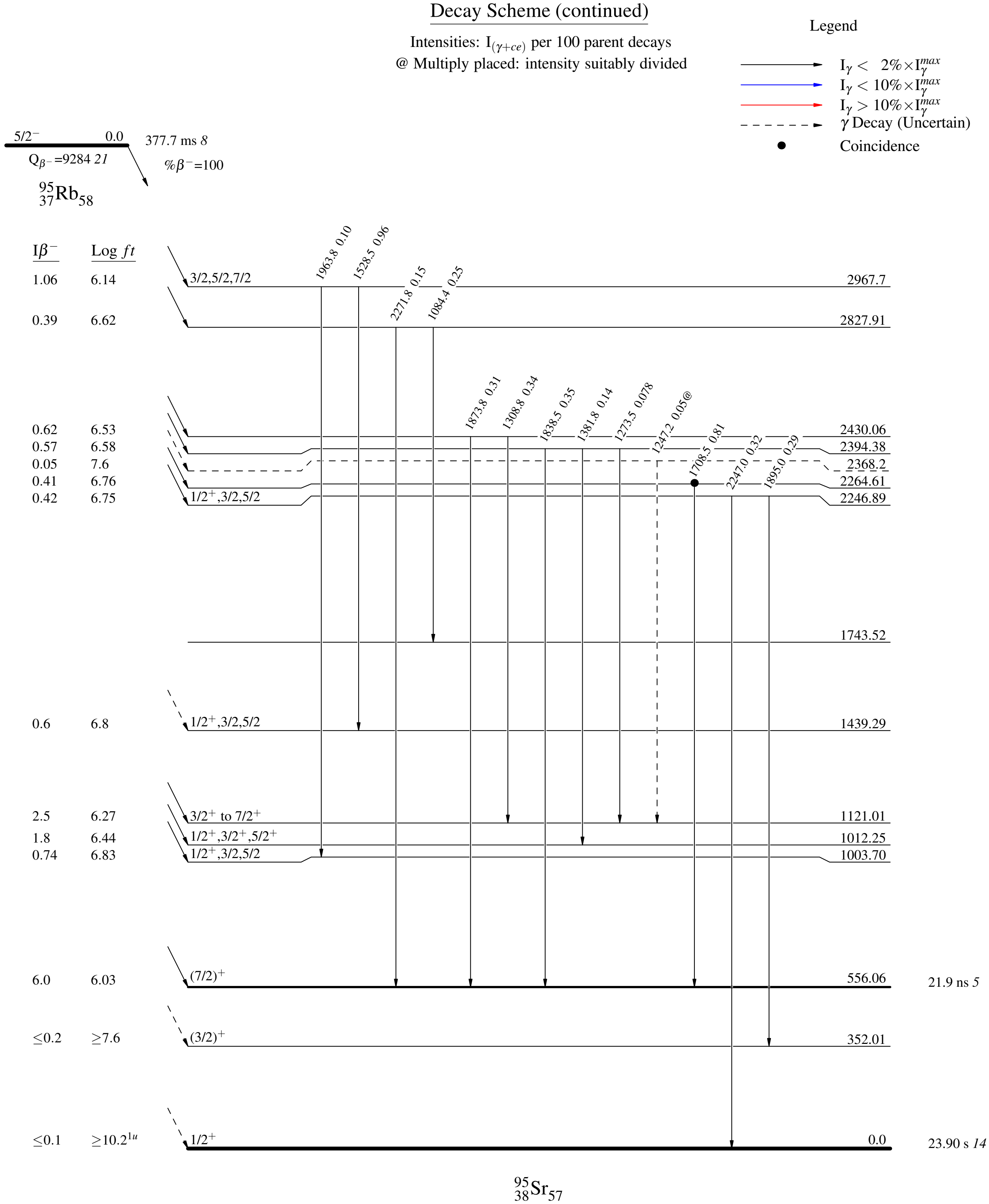
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



^{95}Rb β^- decay 1992KrZZ,1983Kr11

Decay Scheme (continued)

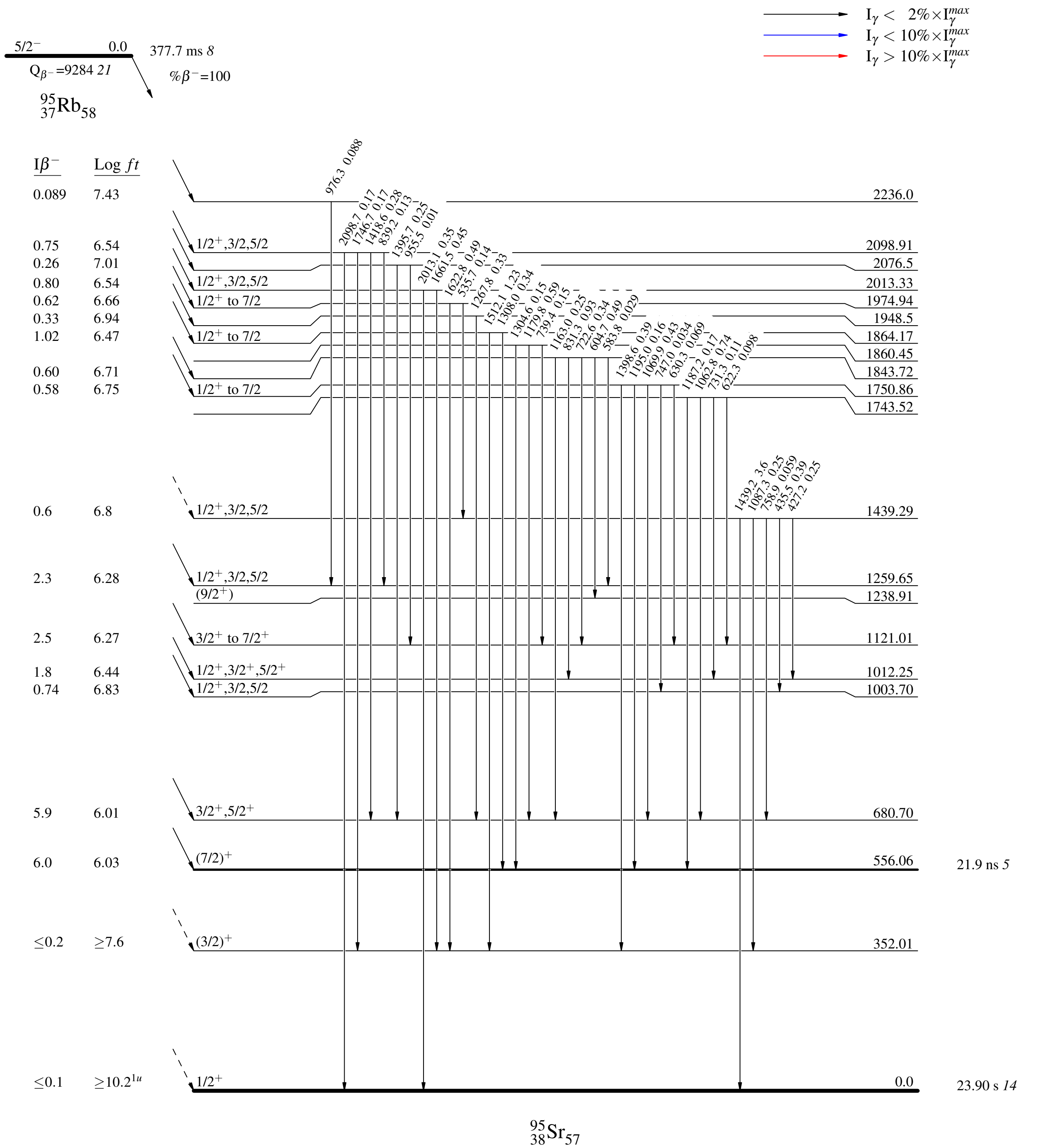
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



^{95}Rb β^- decay 1992KrZZ,1983Kr11

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided



^{95}Rb β^- decay 1992KrZZ,1983Kr11

Decay Scheme (continued)

Intensities: $I_{(\gamma+ce)}$ per 100 parent decays
@ Multiply placed: intensity suitably divided