^{94}Rb β^- decay 1980Ju03,1980JuZY

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	A. Negret, A. A. Sonzogni	ENSDF	31-Mar-2011

Parent: ^{94}Rb: E=0.0; J$^\pi$=3$^{(-)}$; $T_{1/2}$=2.702 s *5*; Q(β^-)=10281 *8*; %β^- decay=100.0

See ^{94}Rb β-n decay for delayed neutrons.

1980Ju03: Source: mass separated fission products. Measured: Eγ, Iγ, $\gamma\gamma$, $\gamma\gamma(\theta)$, Ge(Li) (FWHM=2.0 keV at 1.33 MeV); Ice, Si(Li).

2006Lh01: measured absolute intensity of first 2$^+$ to g.s. gamma from the gamma intensity as a function of time for parent-daughter nuclides.

α: Additional information 1.

^{94}Sr Levels

E(level)	J$^\pi$†	$T_{1/2}$‡	Comments
0	0$^+$	75.3 s *2*	$T_{1/2}$: from Adopted Levels.
836.91 *10*	2$^+$	6.9 ps *28*	
1926.28 *14*	3$^{(-)}$	≤4.9 ps	
2146.00 *14*	4$^+$	≤4.2 ps	
2271.22 *16*	(2$^+$)		
2414.11 *18*	(3$^-$)	4.2 ps *14*	
2603.94 *14*	(4$^-$)	≤7.6 ps	
2614.1 *4*	(2,3,4)		
2649.78 *15*	4$^{(+)}$	≤4.2 ps	
2703.94 *16*	(2,3,4)		
2710.6 *4*	(2,3,4)		
2739.19 *16*	(4$^-$)	≤5.5 ps	
2851.27 *17*	(2,3,4)		
2856.89 *15*	(5$^-$)	25 ps *11*	J$^\pi$: from Adopted Levels not in agreement with the log *ft* value.
2921.8 *4*	(2$^+$)		
2929.81 *16*	(2,3,4)		
2965.0 *5*	(2,3,4)		
2972.07 *16*	5$^-$	≤6.2 ps	J$^\pi$: the value from Adopted Levels is not in agreement with the log *ft* value.
2981.1 *5*	(2,3,4)		
3047.38 *19*	(2,3,4)		
3077.70 *15*	2$^+$		
3262.34 *21*	(2,3,4)		
3310.73 *21*	(5$^-$)		J$^\pi$: the value from the Adopted dataset is not in agreement with the log *ft* value.
3338.42 *17*	(2,3,4)		
3340.9? *3*	(2,3,4)		
3438.61 *24*	(2,3,4)	≤9.7 ps	
3485.41? *24*	(2,3,4)		
3580.35? *25*	(2,3,4)		
3724.7? *3*	(2,3,4)		
3768.9 *7*	(2,3,4)		
3815.7? *8*	(2,3,4)		
3948.63 *19*	(2,3,4)	≤4.2 ps	
3953.3? *10*	(2,3,4)		
3968.9 *10*	(2,3,4)		
3982.5 *10*	(2,3,4)		
4024.2? *10*	(2,3,4)		
4066.4? *10*	(2,3,4)		
4087.1? *10*	(2,3,4)		
4117.4? *5*	(2,3,4)		
4142.5? *10*	(2,3,4)		
4168.2 *4*	(2,3,4)		
4198.49 *23*	(2,3,4)		

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^{94}Rb β^- decay 1980Ju03,1980JuZY (continued)

^{94}Sr Levels (continued)

E(level)	J$^\pi$†	E(level)	J$^\pi$†	E(level)	J$^\pi$†	E(level)	J$^\pi$†
4211.0? *10*	(2,3,4)	4366.8? *10*	(2,3,4)	5213.0? *10*	(2,3,4)	5402.4? *8*	(2,3,4)
4268.4? *10*	(2,3,4)	4481.1 *7*	(2,3,4)	5223.2? *10*	(2,3,4)	5735.4? *10*	(2,3,4)
4281.65? *23*	(2,3,4)	4653.5? *6*	(2,3,4)	5267.3? *10*	(2,3,4)	5828.2? *9*	(2,3,4)
4308.4? *10*	(2,3,4)	4673.7 *4*	(2,3,4)	5289.1 *4*	(2,3,4)	5831.1? *5*	(2,3,4)
4361.0 *5*	(2,3,4)	4838.4 *3*	(2,3,4)	5312.9? *10*	(2,3,4)	6063.7? *10*	(2,3,4)

† From Adopted Levels.
‡ From 1991Ma05 using $\beta\gamma\gamma$(t), unless stated otherwise.

β^- radiations

β^- spectrum and av Eβ=2.51 MeV *13* measured by 1982Al01.

E(decay)	E(level)	Iβ^- †#	Log *ft*‡	Comments
(4217@ *8*)	6063.7?	0.122 *20*	7.15 *8*	av Eβ=1849.9 *39*
(4450@ *8*)	5831.1?	0.18 *3*	7.08 *8*	av Eβ=1961.7 *39*
(4453@ *8*)	5828.2?	0.26 *6*	6.92 *10*	av Eβ=1963.1 *39*
(4546@ *8*)	5735.4?	0.177 *22*	7.13 *6*	av Eβ=2007.7 *39*
(4879@ *8*)	5402.4?	0.037 *7*	7.94 *9*	av Eβ=2168.0 *39*
(4968@ *8*)	5312.9?	0.153 *21*	7.36 *6*	av Eβ=2211.1 *39*
(4992 *8*)	5289.1	0.30 *3*	7.08 *5*	av Eβ=2222.5 *39*
(5014@ *8*)	5267.3?	0.21 *3*	7.24 *7*	av Eβ=2233.0 *39*
(5058@ *8*)	5223.2?	0.18 *3*	7.33 *8*	av Eβ=2254.3 *39*
(5068@ *8*)	5213.0?	0.23 *3*	7.22 *6*	av Eβ=2259.2 *39*
(5443 *8*)	4838.4	0.67 *5*	6.90 *4*	av Eβ=2439.7 *39*
(5607 *8*)	4673.7	0.55 *6*	7.04 *5*	av Eβ=2519.2 *39*
(5628@ *8*)	4653.5?	0.159 *21*	7.59 *6*	av Eβ=2528.9 *39*
(5800 *8*)	4481.1	0.27 *4*	7.42 *7*	av Eβ=2612.1 *39*
(5914@ *8*)	4366.8?	0.19 *3*	7.61 *7*	av Eβ=2667.2 *39*
(5920 *8*)	4361.0	0.37 *12*	7.32 *14*	av Eβ=2670.0 *39*
(5973@ *8*)	4308.4?	0.110 *20*	7.87 *8*	av Eβ=2695.4 *39*
(5999@ *8*)	4281.65?	0.34 *3*	7.38 *4*	av Eβ=2708.3 *39*
(6013@ *8*)	4268.4?	0.189 *22*	7.64 *5*	av Eβ=2714.7 *39*
(6070@ *8*)	4211.0?	0.146 *21*	7.78 *7*	av Eβ=2742.4 *39*
(6083 *8*)	4198.49	1.26 *20*	6.84 *7*	av Eβ=2748.4 *39*
(6113 *8*)	4168.2	0.39 *7*	7.36 *8*	av Eβ=2763.0 *39*
(6139@ *8*)	4142.5?	0.122 *15*	7.88 *6*	av Eβ=2775.4 *39*
(6164@ *8*)	4117.4?	0.098 *14*	7.98 *7*	av Eβ=2787.5 *39*
(6194@ *8*)	4087.1?	0.134 *20*	7.85 *7*	av Eβ=2802.1 *39*
(6215@ *8*)	4066.4?	0.23 *3*	7.62 *6*	av Eβ=2812.1 *39*
(6257@ *8*)	4024.2?	0.085 *13*	8.07 *7*	av Eβ=2832.5 *39*
(6299 *8*)	3982.5	0.23 *3*	7.65 *6*	av Eβ=2852.6 *39*
(6312 *8*)	3968.9	0.24 *3*	7.64 *6*	av Eβ=2859.2 *39*
(6328@ *8*)	3953.3?	0.110 *14*	7.98 *6*	av Eβ=2866.7 *39*
(6332 *8*)	3948.63	1.52 *12*	6.84 *4*	av Eβ=2869.0 *39*

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^{94}Rb β^- decay 1980Ju03,1980JuZY (continued)

β^- radiations (continued)

E(decay)	E(level)	Iβ^- †#	Log *ft* ‡	Comments
(6465@ *8*)	3815.7?	0.20 *3*	7.76 *7*	av Eβ=2933.1 *39*
(6512 *8*)	3768.9	0.20 *3*	7.78 *7*	av Eβ=2955.7 *39*
(6556@ *8*)	3724.7?	0.153 *21*	7.91 *6*	av Eβ=2977.0 *39*
(6701@ *8*)	3580.35?	0.085 *8*	8.20 *4*	av Eβ=3046.7 *39*
(6796@ *8*)	3485.41?	0.256 *25*	7.75 *5*	av Eβ=3092.5 *39*
(6842 *8*)	3438.61	2.38 *20*	6.80 *4*	av Eβ=3115.0 *39*
(6940@ *8*)	3340.9?	0.195 *18*	7.91 *4*	av Eβ=3162.2 *39*
(6943 *8*)	3338.42	0.36 *4*	7.65 *5*	av Eβ=3163.4 *39*
(6970 *8*)	3310.73	0.60 *4*	7.43 *3*	av Eβ=3176.7 *39*
(7019 *8*)	3262.34	0.58 *5*	7.46 *4*	av Eβ=3200.1 *39*
(7203 *8*)	3077.70	0.83 *6*	7.36 *4*	av Eβ=3289.2 *39*
(7234 *8*)	3047.38	1.44 *15*	7.13 *5*	av Eβ=3303.8 *39*
(7300 *8*)	2981.1	0.49 *6*	7.61 *6*	av Eβ=3335.8 *39*
(7309 *8*)	2972.07	0.65 *8*	7.49 *6*	av Eβ=3340.1 *39*
(7316 *8*)	2965.0	1.28 *15*	7.20 *5*	av Eβ=3343.5 *39*
(7351 *8*)	2929.81	1.79 *16*	7.07 *4*	av Eβ=3360.5 *39*
(7359 *8*)	2921.8	0.62 *6*	7.53 *5*	av Eβ=3364.4 *39*
(7424 *8*)	2856.89	0.95 *8*	7.36 *4*	av Eβ=3395.7 *39*
(7430 *8*)	2851.27	0.42 *4*	7.72 *5*	av Eβ=3398.4 *39*
(7542 *8*)	2739.19	1.33 *17*	7.24 *6*	av Eβ=3452.4 *39*
(7570 *8*)	2710.6	0.61 *7*	7.59 *5*	av Eβ=3466.2 *39*
(7577 *8*)	2703.94	1.94 *23*	7.09 *6*	av Eβ=3469.4 *39*
(7631 *8*)	2649.78	2.01 *19*	7.09 *5*	av Eβ=3495.5 *39*
(7667 *8*)	2614.1	0.61 *7*	7.62 *5*	av Eβ=3512.7 *39*
(7677 *8*)	2603.94	1.4 *3*	7.26 *10*	av Eβ=3517.6 *39*
(7867 *8*)	2414.11	21.4 *18*	6.12 *4*	av Eβ=3609.1 *39*
(8010 *8*)	2271.22	1.53 *21*	7.30 *6*	av Eβ=3678.0 *39*
(8135 *8*)	2146.00	3.5 *9*	6.98 *12*	av Eβ=3738.4 *39*
(8355 *8*)	1926.28	2.7 *11*	7.14 *18*	av Eβ=3844.2 *39*

† Deduced from intensity balance if Iβ(g.s.)=0. Due to the decay scheme complexity and incompleteness, should be taken as approximate values.
‡ From Iβ values, which due to the decay scheme complexity and incompleteness, should be taken as approximate values.
# Absolute intensity per 100 decays.
@ Existence of this branch is questionable.

γ(^{94}Sr)

Iγ normalization: From absolute I(837 γ)=0.61 *4* (2006Lh01). As a result, the missing energy is about 33% of the effective Q(β^-)value. The beta intensities, which were obtained from the gamma intensities, add up to 60%. If the decay scheme was complete, they would add up to 89.5.

No strongly converted line was found (Ice(E0-transition)<0.02 per 100 decays of ^{94}Rb). High-energy levels are indicated as uncertain if they are defined by one γ only, unless the only γ is very strong.

1980JuZY: full report of the experiment.

E$_\gamma$	I$_\gamma$[#]	E$_i$(level)	J$^\pi_i$	E$_f$	J$^\pi_f$	Mult.[†]	δ[†]	α	Comments
^{x}117.7 *2*	0.10 *1*								
207.1[@] *1*	0.22 *2*	2856.89	(5$^-$)	2649.78	4$^{(+)}$				
253.0 *1*	0.68 *5*	2856.89	(5$^-$)	2603.94	(4$^-$)				
^{x}332.6 *2*	0.05 *1*								
^{x}453.6 *1*	0.12 *2*								
458.0 *1*	0.64 *4*	2603.94	(4$^-$)	2146.00	4$^+$				
503.8 *1*	2.0 *1*	2649.78	4$^{(+)}$	2146.00	4$^+$	(M1+E2)	−0.35 *8*	0.00269 *6*	α(K)=0.00238 *6*; α(L)=0.000261 *7*; α(M)=4.39×10^{-5} *11*; α(N)=5.50×10^{-6} *13*; α(O)=3.57×10^{-7} *8* α(N+..)=5.86×10^{-6} *14* δ: $\gamma\gamma(\theta)$ analyzed assuming J(2650)=(3), J(2146)=(4). δ=−0.55 *+17−30* or δ=−3.1 *+20−25* from 504-1309 cascade assuming 1309γ is pure E2. δ=−0.35 *+9−7* or δ=−7 *+2−5* from 504−(1309 unobserved)−837 cascade.
558.0 *1*	0.19 *2*	2703.94	(2,3,4)	2146.00	4$^+$				
601.7 *2*	0.32 *2*	3340.9?	(2,3,4)	2739.19	(4$^-$)				
633.7 *2*	0.15 *2*	3047.38	(2,3,4)	2414.11	(3$^-$)				
658.5 *2*	0.13 *2*	3262.34	(2,3,4)	2603.94	(4$^-$)				
660.9 *2*	0.25 *2*	3310.73	(5$^-$)	2649.78	4$^{(+)}$				
677.7 *1*	4.2 *2*	2603.94	(4$^-$)	1926.28	3$^{(-)}$	(M1+E2)	−0.54 *24*	0.00136 *4*	α(K)=0.00120 *4*; α(L)=0.000131 *5*; α(M)=2.21×10^{-5} *8*; α(N)=2.77×10^{-6} *9*; α(O)=1.80×10^{-7} *5* α(N+..)=2.95×10^{-6} *9* δ: $\gamma\gamma(\theta)$ analyzed assuming J(2604)=(4), J(1926)=(3). δ=−0.54 *+15−31* or δ=−2.5 *+10−14* from 678-1090 cascade assuming 1090γ is pure E1. −0.71<δ<+1.81 from 678−(1090 unobserved)−837 cascade.
710.7 *2*	0.65 *10*	2856.89	(5$^-$)	2146.00	4$^+$				
723.7 *2*	0.54 *10*	2649.78	4$^{(+)}$	1926.28	3$^{(-)}$				
734.5 *1*	0.21 *3*	3338.42	(2,3,4)	2603.94	(4$^-$)				
783.8 *1*	0.63 *4*	2929.81	(2,3,4)	2146.00	4$^+$				
806.5 *1*	0.14 *5*	3077.70	2$^+$	2271.22	(2$^+$)				
812.9 *1*	2.7 *2*	2739.19	(4$^-$)	1926.28	3$^{(-)}$				
826.1 *1*	0.75 *10*	2972.07	5$^-$	2146.00	4$^+$				
836.9 *1*	100.00 *5*	836.91	2$^+$	0	0$^+$	E2		0.000888 *13*	α=0.000888 *13*; α(K)=0.000785 *11*; α(L)=8.63×10^{-5} *12*;

γ(^{94}Sr) (continued)

E_γ	I_γ[#]	E_i(level)	J^π_i	E_f	J^π_f	Mult.[†]	δ[†]	α	Comments
									α(M)=1.448×10^{-5} *21* α(O)=1.160×10^{-7} *17*; α(N+..)=1.93×10^{-6}
^{x}871.0 *2*	0.10 *1*								
^{x}888.3 *2*	0.10 *3*								
925.0 *1*	0.26 *2*	2851.27	(2,3,4)	1926.28	3$^{(-)}$				
931.6 *1*	0.32 *2*	3077.70	2$^+$	2146.00	4$^+$				
976.4[@] *2*	0.14 *1*	3580.35?	(2,3,4)	2603.94	(4$^-$)				
^{x}1019.0 *2*	0.17 *2*								
1045.7 *2*	0.59 *5*	2972.07	5$^-$	1926.28	3$^{(-)}$				
1089.4 *2*	19.6 *10*	1926.28	3$^{(-)}$	836.91	2$^+$	(E1+M2)	+0.02 *2*	0.000212 *4*	α=0.000212 *4*; α(K)=0.000188 *3*; α(L)=2.01×10^{-5} *3*; α(M)=3.37×10^{-6} *5*; α(N)=4.23×10^{-7} *7* α(O)=2.78×10^{-8} *5*; α(N+..)=4.51×10^{-7} *7*
1120.8 *2*	0.21 *2*	3047.38	(2,3,4)	1926.28	3$^{(-)}$				
1151.7 *2*	0.64 *6*	3077.70	2$^+$	1926.28	3$^{(-)}$				
^{x}1208.5 *2*	0.24 *2*								
1244.9 *2*	0.31 *3*	3948.63	(2,3,4)	2703.94	(2,3,4)				
1292.6 *2*	3.9 *2*	3438.61	(2,3,4)	2146.00	4$^+$				
1309.1 *2*	16.3 *9*	2146.00	4$^+$	836.91	2$^+$	E2		0.000349 *5*	α(K)exp=0.00040 *13* α=0.000349 *5*; α(K)=0.000283 *4*; α(L)=3.06×10^{-5} *5*; α(M)=5.13×10^{-6} *8*; α(N)=6.44×10^{-7} *9* α(O)=4.20×10^{-8} *6*; α(N+..)=3.01×10^{-5} *5* α(K)exp deduced from I(ce) using the 837 transition as calibration standard. The value is in accordance with M1 or E2 multipolarity. The $\gamma\gamma$ data from the ^{252}Cf SF decay dataset indicate an E2 multipolarity.
^{x}1324.0 *3*	0.10 *1*								
1336.0 *3*	0.19 *2*	3262.34	(2,3,4)	1926.28	3$^{(-)}$				
1339.4[@] *2*	0.42 *3*	3485.41?	(2,3,4)	2146.00	4$^+$				
1345.0	0.2[‡]	3948.63	(2,3,4)	2603.94	(4$^-$)				
1384.4 *3*	0.59 *4*	3310.73	(5$^-$)	1926.28	3$^{(-)}$				
1434.4 *2*	0.50 *4*	2271.22	(2$^+$)	836.91	2$^+$				
1453.5[@] *2*	0.25 *3*	3724.7?	(2,3,4)	2271.22	(2$^+$)				
^{x}1460.2 *5*	0.05 *2*								
^{x}1485.6 *3*	0.09 *2*								
^{x}1522.2 *3*	0.25 *3*								
1534.3 *2*	0.66 *5*	3948.63	(2,3,4)	2414.11	(3$^-$)				
1577.5 *2*	36.5 *18*	2414.11	(3$^-$)	836.91	2$^+$	(E1+M2)	−0.02 *2*	0.000419 *6*	α=0.000419 *6*; α(K)=9.89×10^{-5} *15*; α(L)=1.050×10^{-5} *16*; α(M)=1.76×10^{-6} *3*; α(N)=2.21×10^{-7} *4* α(O)=1.459×10^{-8} *22*; α(N+..)=0.000308 *5*
1594.5 *2*	0.34 *3*	4198.49	(2,3,4)	2603.94	(4$^-$)				
1632.0[@] *2*	0.34 *3*	4281.65?	(2,3,4)	2649.78	4$^{(+)}$				

$^{94}_{38}$Sr$_{56}$-5

γ(^{94}Sr) (continued)

E_γ	I_γ#	E_i(level)	J^π_i	E_f	J^π_f	Mult.†	α	Comments
1703.3@ 4	0.16 2	4117.4?	(2,3,4)	2414.11	(3$^-$)			
x1742.7 3	0.10 1							
1755.8 8	0.4 1	4168.2	(2,3,4)	2414.11	(3$^-$)			
1757.0 4	0.6 2	4361.0	(2,3,4)	2603.94	(4$^-$)			
1766.8@ 4	0.15 2	2603.94	(4$^-$)	836.91	2$^+$			
1777.2 3	1.0 1	2614.1	(2,3,4)	836.91	2$^+$			
1812.7 3	1.9 2	2649.78	4$^{(+)}$	836.91	2$^+$	(E2)	0.000386 6	α=0.000386 6; α(K)=0.0001485 21; α(L)=1.588×10^{-5} 23; α(M)=2.66×10^{-6} 4 α(O)=2.20×10^{-8} 3; α(N+..)=0.000219 Mult.: from Adopted Gammas. δ(E2/M1)=+1.0 6 from $\gamma\gamma(\theta)$, but ΔJ^π requires E2.
1866.9 3	3.3 3	2703.94	(2,3,4)	836.91	2$^+$			δ: +0.29 +7−6 if J(2704 level)=2; +0.13 6 if J=3. δ=0 if J=4 also possible within two standard deviations.
1873.7 3	1.0 1	2710.6	(2,3,4)	836.91	2$^+$			
1902.2 3	0.23 3	2739.19	(4$^-$)	836.91	2$^+$			
1934.5 4	0.12 3	4673.7	(2,3,4)	2739.19	(4$^-$)			
x1964.6 4	0.06 1							
x1976.0 4	0.09 2							
2014.0 4	0.43 5	2851.27	(2,3,4)	836.91	2$^+$			
2022.3 4	1.32 15	3948.63	(2,3,4)	1926.28	3$^{(-)}$			
2084.7 4	0.82 8	2921.8	(2$^+$)	836.91	2$^+$			
2093.0 4	2.3 2	2929.81	(2,3,4)	836.91	2$^+$			δ: 0.00 17 if J(2930 level)=2, +0.45<δ<+1.53 if J=3.
2098.9 4	0.31 3	4838.4	(2,3,4)	2739.19	(4$^-$)			
2128.1 4	2.1 2	2965.0	(2,3,4)	836.91	2$^+$			
2144.2 4	0.80 8	2981.1	(2,3,4)	836.91	2$^+$			
2189.0 4	0.34 3	4838.4	(2,3,4)	2649.78	4$^{(+)}$			
2209.9 4	2.0 2	3047.38	(2,3,4)	836.91	2$^+$			
2241.5 4	0.24 3	4168.2	(2,3,4)	1926.28	3$^{(-)}$			
2271.4 5	2.4 3	2271.22	(2$^+$)	0	0$^+$			
2272.2 5	1.5 3	4198.49	(2,3,4)	1926.28	3$^{(-)}$			
2317.1 5	0.27 3	5289.1	(2,3,4)	2972.07	5$^-$			
x2338.8 5	0.21 2							
2354.4@ 5	0.21 2	4281.65?	(2,3,4)	1926.28	3$^{(-)}$			
x2373.1 5	0.10 2							
2424.9 5	0.63 6	3262.34	(2,3,4)	836.91	2$^+$			
x2433.9 5	0.18 2							
2474.2@ 5	0.15 2	3310.73	(5$^-$)	836.91	2$^+$			
x2484.3 5	0.15 2							
2501.0 5	0.38 4	3338.42	(2,3,4)	836.91	2$^+$			
2507.5@ 5	0.26 3	4653.5?	(2,3,4)	2146.00	4$^+$			
2554.8 6	0.44 5	4481.1	(2,3,4)	1926.28	3$^{(-)}$			
x2574.9 6	0.31 3							
x2606.2 6	0.16 2							

$\gamma(^{94}Sr)$ (continued)

E_γ	I_γ[#]	E_i(level)	J_i^π	E_f	J_f^π
[x]2633.8 *6*	0.16 *2*				
[x]2659.8 *6*	0.11 *2*				
[x]2663.5 *6*	0.10 *1*				
2684.9 *6*	0.22 *2*	5289.1	(2,3,4)	2603.94	(4^-)
2692.1 *6*	0.45 *5*	4838.4	(2,3,4)	2146.00	4^+
[x]2733.1 *7*	0.22 *2*				
[x]2748.5 *7*	0.09 *3*				
[x]2753.9 *7*	0.21 *2*				
[x]2759.0 *7*	0.09 *2*				
[x]2771.1 *7*	0.13 *2*				
2798.4[@] *7*	0.06 *1*	5402.4?	(2,3,4)	2603.94	(4^-)
[x]2821.1 *7*	0.30 *3*				
2922.3 *7*	0.20 *2*	2921.8	(2^+)	0	0^+
2931.9 *7*	0.32 *4*	3768.9	(2,3,4)	836.91	2^+
2978.7[@] *8*	0.32 *4*	3815.7?	(2,3,4)	836.91	2^+
[x]3009.1 *8*	0.10 *2*				
[x]3016.6 *8*	0.11 *2*				
[x]3064.3 *9*	0.28 *3*				
3076.6[@] *9*	0.26 *3*	3077.70	2^+	0	0^+
3116.3[@] *10*	0.18 *2*	3953.3?	(2,3,4)	836.91	2^+
3131.9 *10*	0.39 *4*	3968.9	(2,3,4)	836.91	2^+
3145.5 *10*	0.38 *4*	3982.5	(2,3,4)	836.91	2^+
[x]3168.6 *10*	0.15 *2*				
3187.2[@] *10*	0.14 *2*	4024.2?	(2,3,4)	836.91	2^+
3224.9[@] *15*	0.2 *1*	5828.2?	(2,3,4)	2603.94	(4^-)
3229.4[@] *10*	0.38 *4*	4066.4?	(2,3,4)	836.91	2^+
3250.1[@] *10*	0.22 *3*	4087.1?	(2,3,4)	836.91	2^+
[x]3265.0 *10*	0.13 *2*				
3286.7[@] *10*	0.38 *4*	5213.0?	(2,3,4)	1926.28	$3^{(-)}$
3296.9[@] *10*	0.30 *4*	5223.2?	(2,3,4)	1926.28	$3^{(-)}$
3305.5[@] *10*	0.20 *2*	4142.5?	(2,3,4)	836.91	2^+
[x]3320.6 *10*	0.22 *2*				
3341.0[@] *10*	0.35 *4*	5267.3?	(2,3,4)	1926.28	$3^{(-)}$
3362.2 *10*	0.23 *3*	4198.49	(2,3,4)	836.91	2^+
3374.0[@] *10*	0.24 *3*	4211.0?	(2,3,4)	836.91	2^+
3386.6[@] *10*	0.25 *3*	5312.9?	(2,3,4)	1926.28	$3^{(-)}$
[x]3416.6 *10*	0.22 *3*				
3431.4[@] *10*	0.31 *3*	4268.4?	(2,3,4)	836.91	2^+
3471.4[@] *10*	0.18 *3*	4308.4?	(2,3,4)	836.91	2^+
[x]3483.8 *10*	0.09 *2*				
[x]3506.0 *10*	0.30 *3*				
3529.8[@] *10*	0.31 *4*	4366.8?	(2,3,4)	836.91	2^+
[x]3575.7 *10*	0.20 *3*				
[x]3638.6 *10*	0.28 *4*				
3681.8[@] *10*	0.23 *3*	5828.2?	(2,3,4)	2146.00	4^+
3809.0[@] *10*	0.29 *3*	5735.4?	(2,3,4)	1926.28	$3^{(-)}$
3836.4 *10*	0.78 *8*	4673.7	(2,3,4)	836.91	2^+
3917.6[@] *10*	0.20 *3*	6063.7?	(2,3,4)	2146.00	4^+
[x]3993.7 *10*	0.12 *3*				
[x]4008.2 *10*	0.03 *1*				
[x]4385.0 *6*	0.16 *3*				
[x]4661.1 *5*	0.22 *4*				
[x]4692.9 *7*	0.10 *2*				
[x]4811.4 *5*	0.21 *3*				
[x]4843.1 *5*	0.19 *3*				
4994.0[@] *5*	0.30 *5*	5831.1?	(2,3,4)	836.91	2^+
[x]5086.2 *7*	0.10 *3*				
[x]5229.4 *5*	0.16 *4*				
[x]5452.1 *7*	0.08 *3*				
[x]5684.7 *5*	0.14 *4*				
[x]5807.9 *10*	0.06 *3*				
[x]6346.9 *15*	0.02 *1*				

[†] From $\gamma\gamma(\theta)$ if the 836.9γ is pure E2 as is usual for deexcitation of first-excited states in even-even nuclei. Quadrupole transitions are assumed to be E2. Dipole transitions are assigned M1 if $\delta>0.3$; those with negligible mixing are tentatively assigned E1 though M1 is also possible.

[‡] γ appears in the coincidences table only.

[#] For absolute intensity per 100 decays, multiply by 0.61 *4*.

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

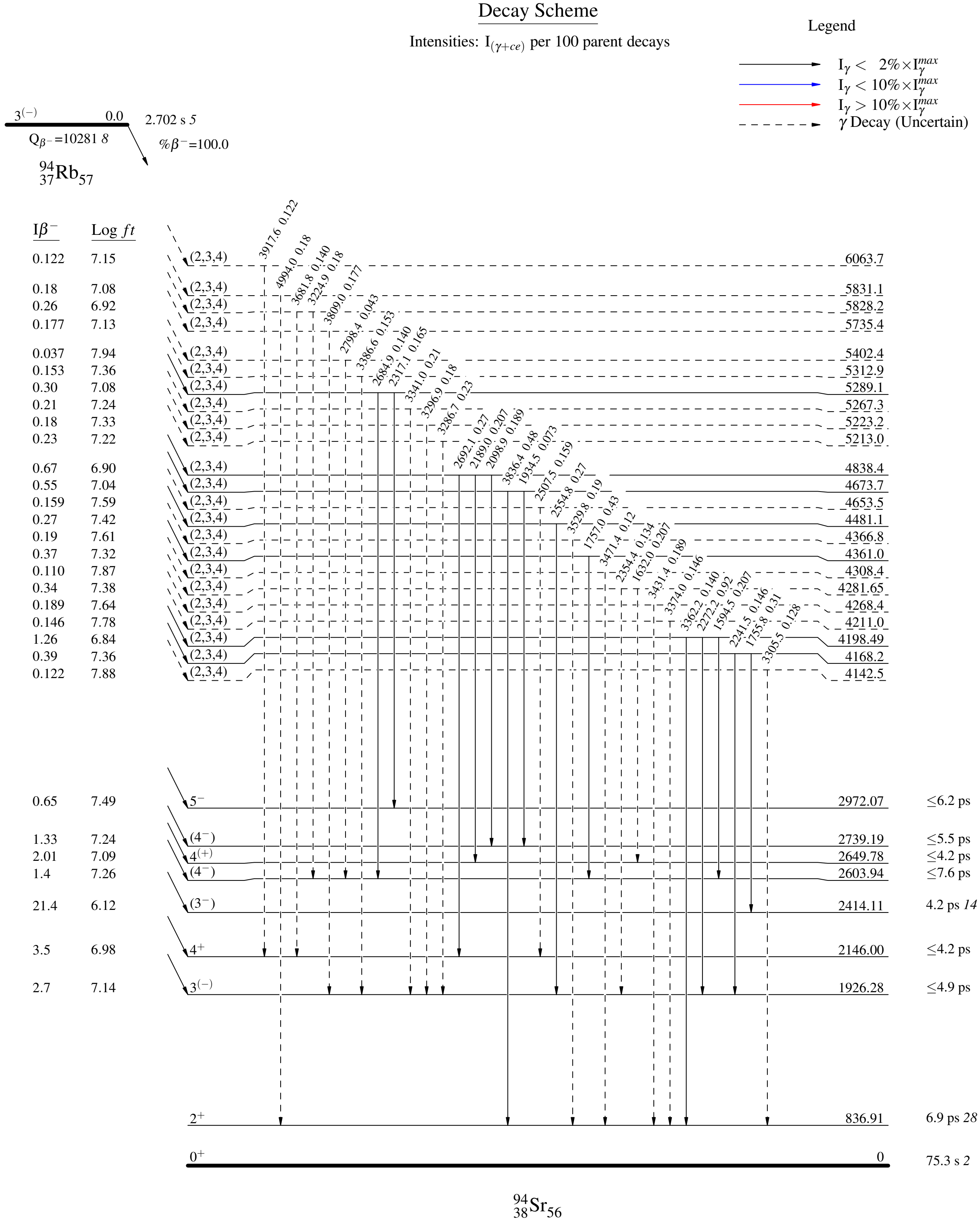
[x] γ ray not placed in level scheme.

From ENSDF

^{94}Rb β^- decay 1980Ju03,1980JuZY

Decay Scheme

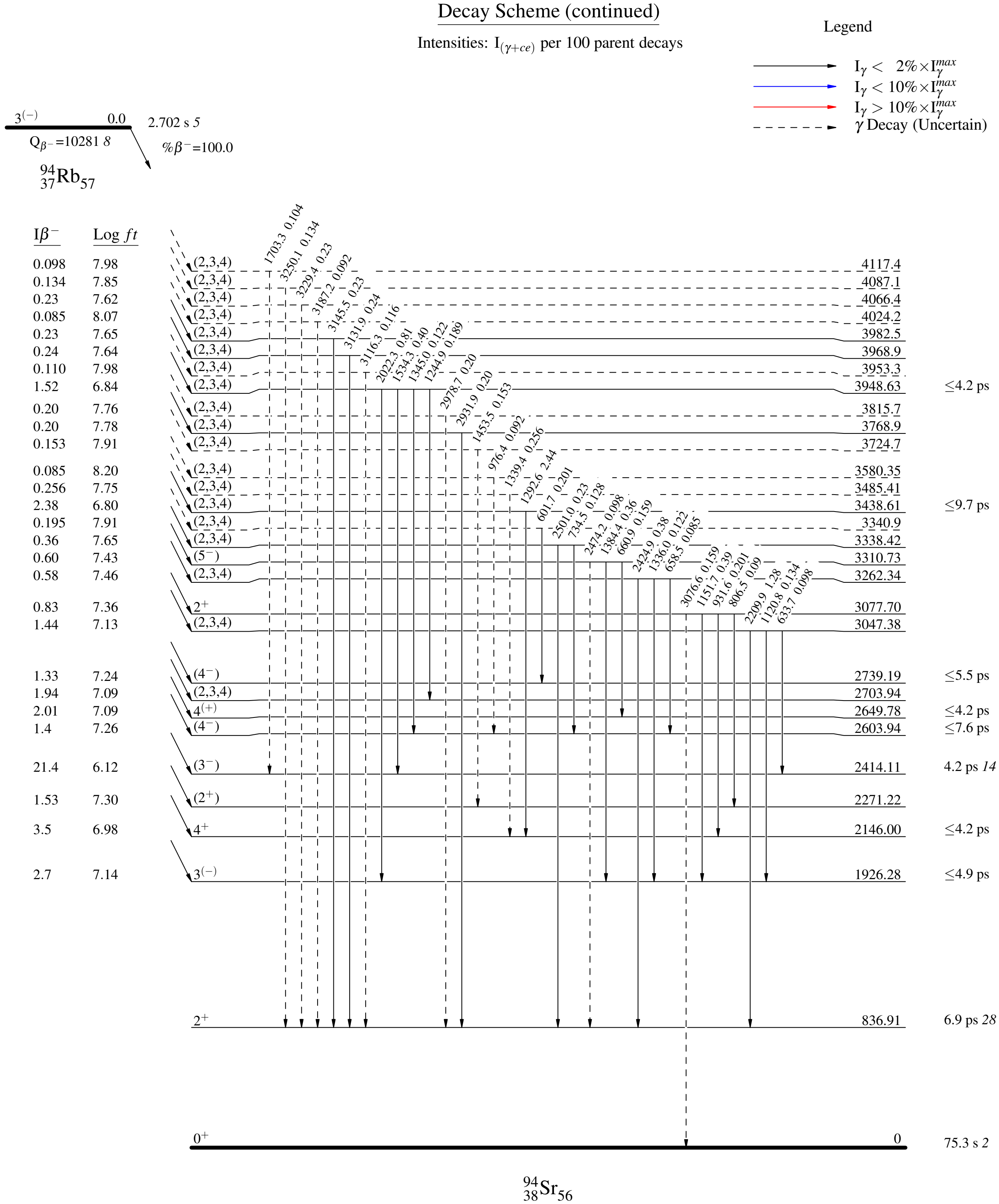
Intensities: $I_{(\gamma+ce)}$ per 100 parent decays



^{94}Rb β^- decay 1980Ju03,1980JuZY

Decay Scheme (continued)

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



^{94}Rb β^- decay 1980Ju03,1980JuZY

Decay Scheme (continued)

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