

Adopted Levels, Gammas

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

Q(β^-)=9228 21; S(n)=5402 21; S(p)=11835 24; Q(α)=-7212 21 [2012Wa38](#)
 Note: Current evaluation has used the following Q record 9284 21 5355 22 11778 24-7090 50 [2009AuZZ](#).
 S(2n)=9358 22, S(2p)=27366 syst 299, Q(β^- n)=4934 22 ([2009AuZZ](#)).

⁹⁵Rb Levels

Cross Reference (XREF) Flags

A ⁹⁵Rb IT decay

E(level) [†]	J ^{π}	T _{1/2}	XREF	Comments
0.0	5/2 ⁻	377.7 ms 8	A	% β^- =100; % β^- n=8.7 3 Q=+0.211 65; μ =+1.3336 65 % β^- n: from 2002Pf04 . J ^{π} : J=5/2 from atomic beam experiment (1979Ek02); π =- from J and μ . T _{1/2} : weighted av of 384 ms 4 (2003Be05), 379 ms 2 (1993Ru01), 378 ms 2 (1987GaZF), 377 ms 1 (1986ReZU), 377 ms 6 (1979Ri09), and 377 ms 4 (1975Re10). μ ,Q: from 1981Th04 using atomic beam laser spectroscopy (ABLS); Others: 1989Ra17 , 2005St24 . $\Delta\langle r^2 \rangle(95,87)=1.0781(56)$ fm ² , deduced from isotope shift (1981Th04).
192.0 6			A	
810.0 5			A	
835.0 6		<500 ns	A	T _{1/2} : from IT Decay (2009Fo05).

[†] From ⁹⁵Rb IT decay.

$\gamma(^{95}\text{Rb})$

E _i (level)	E _{γ} [†]	I _{γ} [†]	E _f	J _f ^{π}
192.0	192.0 7	100	0.0	5/2 ⁻
810.0	618.0 7	≈100	192.0	
	810.0 7	≈78	0.0	5/2 ⁻
835.0	(25)		810.0	
	835.0 7	100	0.0	5/2 ⁻

[†] From ⁹⁵Rb IT decay.

Adopted Levels, GammasLevel 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)

