

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⁻)=9.73×10³ 3; S(n)=2882 23; S(p)=1.58×10⁴ *syst*; Q(α)=-8.2×10³ *syst* 2012Wa38

Note: Current evaluation has used the following Q record 9.68E+3 3 2882 22 15644 *syst* -8246 *syst* 2009AuZZ.

ΔS(p)=401, ΔQ(α)=503, S(2n)=8166 19, S(2p)=30021 *syst* 801, Q(β⁻n)=4323 20 (2009AuZZ).

α: [Additional information 1](#).

⁹⁵Kr Levels

Cross Reference (XREF) Flags

- A ²³⁵U(n,F)
- B ⁹⁵Kr IT decay

E(level)	J ^π †	T _{1/2}	XREF	Comments
0.0	1/2 ⁽⁺⁾	0.114 s 3	AB	%β ⁻ =100; %β ⁻ n=2.87 18 (2003Be05) μ=-0.410 3 J ^π : from experimental hyperfine spectra (1995Ke04); parity from systematics. T _{1/2} : from β(t) and n(t) (2003Be05). Others: 0.78(3) 1976Ah01 (gas-flow method). μ: from 1995Ke04 using CFBLs (colinear fast beam laser spectroscopy). Δ<r ² >(95,86)=1.05 19 fm ² (1995Ke04).
113.8 2	(3/2 ⁺)		B	
195.5 3	(7/2 ⁺)	1.4 μs 2	B	%IT=100 T _{1/2} : from 113.8 γ(t) in IT decay.

† From systematics of N=59, even-Z nuclei, unless mentioned otherwise.




γ(⁹⁵Kr)

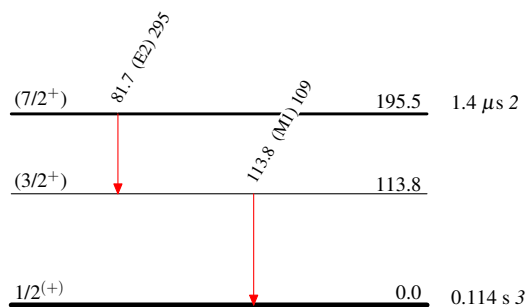
E _i (level)	J _i ^π	E _γ [†]	I _γ	E _f	J _f ^π	Mult.†	α	Comments
113.8	(3/2 ⁺)	113.8 2	100	0.0	1/2 ⁽⁺⁾	(M1)	0.0905	α(K)=0.0800 12; α(L)=0.00893 14; α(M)=0.001449 22; α(N)=0.0001453 22 α(N+..)=0.0001453 22
195.5	(7/2 ⁺)	81.7 2	100	113.8	(3/2 ⁺)	(E2)	1.95 4	α(K)=1.63 3; α(L)=0.270 5; α(M)=0.0436 8; α(N)=0.00385 7; α(N+..)=0.00385 7 B(E2)(W.u.)=1.47 27

† From ⁹⁵Kr IT decay.

Adopted Levels, Gammas**Level Scheme**Intensities: Relative $I_{(\gamma+ce)}$

Legend

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

 $^{95}_{36}\text{Kr}_{59}$