
 $^{94}\text{Zr}(^3\text{He,d})\text{IAR}$ [1973Fi14](#)

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

E=30.2 MeV. Measured $\sigma(\theta=8^\circ$ to $45^\circ)$; Si $\Delta E/E$ telescope.

 ^{95}Nb Levels

E(level)	J^π [†]	L [‡]	C^2S [#]	Comments
11990	$5/2^+$	2	0.42	IAS(^{95}Zr g.s.).
13690	$3/2^+$ & $7/2^+$	2+4	1.23+0.31	IAS(^{95}Zr 1618).
14070	$11/2^-$	5	0.12	IAS(^{95}Zr 2025).
14710	$7/2^+$	4	0.36	IAS(^{95}Zr 2732).
14820	$7/2^+$	4	0.35	IAS(^{95}Zr 2834). J^π : discrepant with $3/2^+$ in (p,p),(p,p') IAR.

[†] Assumed by [1973Fi14](#) for the extraction of C^2S .

[‡] From analysis of $(^3\text{He,d})\sigma(\theta)$.

[#] Deduced by [1973Fi14](#) with the single-particle resonance method.