^{96}Mo(p,d),(d,t),(^{3}He,α) IAR 1973Ko04

History

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

E(p)=38.6, E(d)=40.6, and E(^{3}He)=35 MeV. Measured $\sigma(\theta)$; ΔE/E telescope. FWHM≈50 keV. DWBA.

^{95}Mo Levels

E(level)	J$^{\pi}$[†]	L[‡]	2TC^{2}S[#]	Comments
12.10×10^{3} *3*	9/2^{+}	4	2.25,1.86	IAR(^{95}Nb g.s.).
12.36×10^{3} *3*	1/2^{-}	1	1.13,1.06	IAR(^{95}Nb 236).
12.94×10^{3} *3*	3/2^{-}	1	1.15,1.14	IAR(^{95}Nb 799).
13.15×10^{3} *3*	(5/2)$^{-}$	3	1.79,3.59	IAR(^{95}Nb 1011).
13.37×10^{3} *3*	3/2^{-}	1	0.78,0.67	IAR(^{95}Nb 1219).
13.43×10^{3} *3*	5/2^{-}	3	2.40,2.67	IAR(^{95}Nb 1273).

[†] From ^{95}Nb Adopted Levels.
[‡] From DWBA analysis of $\sigma(\theta)$.
[#] Values are from (p,d) and (d,t), respectively. See 1973Ko04 for (^{3}He,α) values.