^{94}Zr(α,d) 1972Zi01

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 109,2501 (2008)	1-Apr-2008

E=50 MeV; FWHM=50 keV.

^{96}Nb Levels

E(level)†	S‡	E(level)†	S‡	E(level)†	S‡	E(level)†	S‡
0 *30*		830 *30*		1710 *30*	0.02	2380 *30*	0.212#
50 *30*	0.014#	1010 *30*	0.02	1890 *30*	0.02	2470 *30*	0.04
233	0.071#	1210 *30*	0.01	2100 *30*	0.06	2730 *40*	0.02
700 *30*	0.02	1410 *30*	0.07	2240 *30*	0.04	2960 *40*	0.04

† The g.s. was not seen in this reaction. Q=−12371 keV and E(level)=233 keV for the second excited state have been used as calibration points.

‡ Intensity in mb integrated from θ=12.4° to 33.2°, except as noted. Absolute cross sections are accurate to 50%, relative cross sections to about 15%.

Integrated from θ=12.4° to 51.8°.