^{96}Zr(d,α) 1974Gi09,1974Su06

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	D. Abriola(a), A. A. Sonzogni	NDS 107, 2423 (2006)	1-Jan-2006

1974Gi09: E=28 MeV. Enriched target. Surface barrier Si detectors. FWHM=65 keV to 80 keV. Measured angular distributions at angles θ=10° to 45°.

1974Su06: E=11.5 MeV. Enriched target. Surface barrier detector. FWHM=130 keV to 150 keV. Measured angular distributions at angles θ=21° to 101°.

^{94}Y Levels

E(level)[†]	L[‡]	E(level)[†]	L[‡]	E(level)[†]	E(level)[†]
0.0	3	1.82×10^3 *1*	0	2.77×10^3 *3*	4.5×10^3?
4.4×10^2 *1*	(2,3)[#]	1.90×10^3 *2*		3.0×10^3?	4.9×10^3?
1.17×10^3 *1*	4	2.17×10^3 *1*		3.3×10^3?	5.9×10^3?
1.39×10^3 *1*	3	2.33×10^3 *2*		4.0×10^3?	
1.53×10^3 *1*	5	2.46×10^3 *2*		4.1×10^3?	

[†] Levels up to 2.77 MeV are from 1974Gi09. Higher level energies are tentative values of 1974Su06.

[‡] From DWBA analysis of 1974Su06.

[#] 1974Gi09 conclude L=3 from comparison with the angular distribution of the 3$^-$ level at 200 keV in ^{90}Y. The evaluator feels from the figures of 1974Su06 that there is no clear distinction between L=2 and L=3.