^{94}Zr(d,α) 1974Su06,1974Gi09

History			
Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Coral M. Baglin	NDS 113, 2187 (2012)	15-Sep-2012

1974Su06: E(d)=11.5 MeV, FWHM=130-150 keV, θ(c.m.)=21°−101°. 92.1% enriched ^{94}Zr target. DWBA analysis.
1974Gi09: E(d)=28 MeV, θ=10°−45°. 97% enriched ^{94}Zr target. Overall resolution 65-80 keV.

^{92}Y Levels

E(level)[†]	L[‡]	Comments
0.0	3	
310 *10*	3	E(level): 280 *30* (1974Su06).
440 *30*	3	
780 *10*	1	E(level): 820 *30* (1974Su06).
1030 *10*	3	E(level): 1050 (1974Su06).
1310 *10*	1	E(level): 1320 (1974Su06).
1490 *10*	2	E(level): 1480 (1974Su06).
1690 *10*	4	E(level): 1710 (1974Su06).
1890 *10*	(6)	E(level): 1870 (1974Su06).
2070	3	
2300	5	
2440 *10*	0	E(level): 2500 (1974Su06).
2900	2	

[†] 1974Su06 tentatively report 8 additional poorly resolved levels at 3.4, 3.7, 4.0, 4.4, 4.9, 5.2, 5.6 and 6.6 MeV. 1974Su06 quote ΔE=30 keV for lower energy states, 60-100 keV for higher energy states. Energies quoted with ΔE=10 keV are from 1974Gi09; others are from 1974Su06.
[‡] From 1974Su06, based on zero-range DWBA analysis of $\sigma(\theta)$. Angular distributions show very little structure; fits are only fair.