

⁹⁰Zr(α ,d) **1972Zi01,1988La18**

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

1972Zi01: E(α)=50 MeV, FWHM=50 keV; θ (c.m.) $\approx$ 12 $^{\circ}$ –57 $^{\circ}$.
1988La18: E(α)=218 MeV, FWHM=100-220 keV; θ (lab)=3 $^{\circ}$ –18 $^{\circ}$; DWBA.

⁹²Nb Levels

E(level) [†]	E(level) [†]	E(level) [†]	J $^{\pi}$	E(level) [†]
0.0 [#]	1080 30	2580 [#] 30	10 ⁻ [‡]	4830 30
130 30	1750 30	2810 30		5620 [#] 30
210 30	2030 30	3720 [#] 30		6.0 $\times$ 10 ³ 1
280 30	2150 30	3810 30		
360 [#] 30	2280 [#] 30	3920 30		
490 30	2470 30	4450 [#] 30		

[†] From **1972Zi01**.
[‡] Assigned by **1988La18**, based on DWBA analysis of $\sigma(\theta)$ for proposed configuration= $((\nu \text{ h}_{11/2})(\pi \text{ g}_{9/2}))10^{-}$ and on systematics of states excited by high energy (α ,d) reactions.
[#] Also reported by **1988La18**.