

$^{68}\text{Zn}(\text{p},\alpha)$ 1965No05

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 202,59 (2025)	25-Feb-2025

1965No05,1965No01,1966No04: E=17.5 MeV proton beam was produced from Princeton University FM cyclotron. Reaction products were detected with thin solid-state detectors (FWHM=170 keV). Measured $\sigma(E_{\alpha},\theta)$, $\theta_{\text{cm}}\approx 20^{\circ}-80^{\circ}$. Deduced levels, L-transfers from DWBA analysis.

Others:

1981Es02: E=3.36-5.48 MeV from the ONR-CIT tandem. Measured σ .

1980St24: E=15 MeV from the Heidelberg MP tandem. Measured $\sigma(E_{\alpha},\theta)$.

1978Lu06: E=12.5 MeV from the Purdue tandem. Measured σ .

1974Pa06,1974Po04: E=12.5-16.0 MeV from the Purdue tandem. Measured $\sigma(E_{\alpha},\theta)$.

 ^{65}Cu Levels

<u>E(level)[†]</u>	<u>L[‡]</u>
0	1
770	1
1110	3
1480	3
2090	3
2270 40	
2620 20	3
2970 40	
3300 40	

[†] From 1965No05.

[‡] From DWBA analysis of measured $\sigma(\theta)$ in 1965No05.