

$^{62}\text{Ni}(\text{d},\text{n})$ 1968Ok07

<u>Type</u>	<u>Author</u>	<u>History Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	Jun Chen	NDS 196,17 (2024)	30-Sep-2023

1968Ok07 (also 1968Le20,1966Ok01,1966Ok02,1965Ok01): E=11.7 MeV deuteron beam was produced from the ITEF cyclotron. Scattered neutrons were measured by a multichannel time-of-flight spectrometer. Measured $\sigma(E_n,\theta)$. Deduced levels, J, π , L-transfers, spectroscopic factors from DWBA analysis.

 ^{63}Cu Levels

<u>E(level)[†]</u>	<u>Jπ[‡]</u>	<u>L[#]</u>	<u>C²S[#]</u>
0	3/2 ⁻	1	2.4
700	1/2 ⁻	1	1.6
1390	5/2 ⁻	3	5.0
2020	1/2 ⁻	1	0.58
2630	1/2 ⁻	1	0.16
2810	3/2 ⁻	1	0.53
3470	1/2 ⁻	1	0.36
4030	1/2 ⁻	1	0.19

[†] From 1968Ok07.

[‡] Value assumed for DWBA analyses.

[#] From DWBA analysis of measured $\sigma(\theta)$ in 1968Ok07.