

$^{62}\text{Ni}(\text{p},\text{n})$ 1966Ri09,1975Ca18,1983Ma37

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Alan L. Nichols, Balraj Singh, Jagdish K. Tuli		NDS 113, 973 (2012)	15-Apr-2012

1966Ri09: E=3.2-9.5 MeV, measured thresholds.

1975Ca18: E=22.8 MeV, neutron tof, IAS, FWHM \approx 200 keV in region of interest, DWBA analysis.

1983Ma37: E=35 MeV, neutron tof, $\sigma(\theta)$, DWBA and coupled-channels analysis.

Other: 1975Az03.

 ^{62}Cu Levels

E(level) [†]	L [#]	Comments
0		
40 ¹⁰		
293 ¹⁰		
1170		Excited-state analog (1983Ma37).
$\approx 4.5 \times 10^3$ [‡]	0	E(level): estimated from the statement by 1975Ca18 that Q=-9.35 MeV (from 1967Ve10) gives correct location of their quasi-elastic IAS.
$\approx 5.7 \times 10^3$ [‡]	2	E(level): assumed that quasi-inelastic 2 ⁺ IAS observed by 1975Ca18 is the analog of first 2 ⁺ level of ^{62}Ni .

[†] 1966Ri09, except as noted.

[‡] Observed by 1975Ca18, but E(level) not given.

[#] 1975Ca18.