

$^{40}\text{Ca}(\text{n},\alpha)$ 1966Kn02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	John Cameron, Jun Chen and Balraj Singh, Ninel Nica		NDS 113, 365 (2012)	15-Jan-2012

1966Kn02: E=6 MeV, measured α groups leading to g.s., 1.41-1.61 MeV, and 2.25-2.54 states, and cross sections.

1975Pe10, 1973Pe20 E=14.1 MeV, measured α groups leading to g.s., 1.41-1.61 MeV, and 2.22-3.52 MeV states respectively, and cross sections.

2000Zh01: E=5.0-6.0 MeV, measured cross sections.

1972Br51: E=13.9 MeV, measured α group leading to g.s. and absolute differential cross sections.

1969Wi12: E=14.6 MeV, measured α spectra and cross sections.

Others: 1963Ca07, 1961Ur03, 1960Ba11.

 ^{37}Ar Levels

E(level)

0[†]
 1420[‡]
 1610[‡]
 2250[#]
 2410[#]
 2540[#]

[†] From 1966Kn02.

[‡] From α group which according to 1966Kn02 corresponds to unresolved doublet: 1420 and 1610.

[#] From weak α group which according to 1966Kn02 corresponds to unresolved triplet: 2250, 2410, and 2540.