

⁴⁰Ar(¹³C, ¹⁴O)

1989Dr03

Type	Author	History Citation	Literature Cutoff Date
Full Evaluation	Jun Chen	NDS 149, 1 (2018)	1-Jan-2018

1989Dr03: E=96 MeV ¹³C beam was produced from the 14UD Pelletron accelerator of the Australian National University. Target was natural argon (99.6% in ⁴⁰Ar) in a gas cell. Scattered particles were momentum analyzed with an Engel split-pole spectrometer (FWHM=280 keV) and detected by a gas-filled detector. Measured σ . Deduced mass excess=-23164 50. Comparisons with DWBA calculations.

³⁹S Levels

E(level)	d σ /d Ω At 10° (μ b/sr)
0	8.0
1469 25	1.8