^{40}Ca(^{12}C,^{10}B) 1972Sc21

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	Jun Chen[#] and Balraj Singh	NDS 135, 1 (2016)	31-May-2016

1972Sc21(also 1974An36): E=114 MeV ^{12}C beam from the variable energy cyclotron of the Harwell Atomic Energy Research Establishment. Targets of 150 μg/cm^2 calcium oxide on carbon backings. Emitted particles were detected and identified by ΔE-E telescopes. Measured $\sigma(\theta)$. Energy calibration accurate to 100 keV.

1994Uz01: ^{12}C(^{40}Ca, ^{42}Sc)^{10}B, E=30 MeV/nucleon ^{40}Ca beam at GANIL. LISE3 achromatic spectrometer. Silicon and Ge detectors. Production of ^{42}Sc isomeric beam (Ex=617 keV).

Other:1966Ch14.

^{42}Sc Levels

E(level)	Comments
600	E(level): assumed (by 1972Sc21) to be the 7$^+$ state (at 616).