Si(^{19}N,X) 2006Kh08

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	G. C. Sheu, J. H. Kelley	ENSDF	06-Nov-2018

2006Kh08: A ^{19}N secondary beam was produced by fragmentation of a ^{48}Ca 60.3 MeV/nucleon beam using the GANIL/SISSI beam facility. The beams were analyzed using the α spectrometer and delivered to the SPEG focal plane, where they impinged on a telescope stack of 4 cooled (−10°C) silicon detectors that were surrounded by a 4π array of 14 NaI γ-detectors. The energy dependent cross sections and the mean radius were measured as σ(41.79 MeV/nucleon)=2.20 b *21*, σ(47.77 MeV/nucleon)=2.048 b *14*, r_0^2(mean radius)=1.224 fm^2 *8*.

See earlier work in (1991Vi04).

^{19}N Levels

E(level)
0