^{9}Be(^{56}Fe,^{19}B) 1984Mu27

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	G. C. Sheu, J. H. Kelley	ENSDF	25-Oct-2018

1984Mu27: A beam of ^{56}Fe at E=670 MeV/nucleon impinged on a Be target (7.9 g/cm^2) at the Lawrence Berkeley Laboratory Bevalac facility. The charge and mass of projectile fragments were determined with the 0° spectrometer facility using a detector telescope consisting of a wire-chamber hodoscope, a front scintillator paddle, a set of threshold Cherenkov counters and a back scintillator paddle. The charge resolution of the detector was σ_Z=0.1 *e* and the mass resolution σ_A=0.25 amu.

This measurement presented the first evidence for the particle stability of ^{19}B. See also (2012Th01).

^{19}B Levels

E(level)
0