^{181}Ta(^{86}Kr,^{20}N) 1988Mu08

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	C. G. Sheu, J. H. Kelley	ENSDF	31-Dec-2018

1988Mu08: ^{20}N ions from the fragmentation of a 45 MeV/nucleon ^{48}Ca beam on a ^{181}Ta target at GANIL were filtered by the LISE spectrometer and implanted in a Si telescope. The telescope was surrounded by a thin scintillator to detect β-rays and a segmented NE102A 4π neutron array with an energy threshold of 350 keV. Following implantation of ^{20}N in the telescope the cyclotron frequecy was scrambled and the decay event was measured.

A β-delayed neutron emission probability of P_n=53% *+11−7* was deduced. $T_{1/2}$=100 ms *+30−20* was also measured. See also (1987BaZI,1988BaYZ,1988MuZY).

^{20}N Levels

E(level)
0