^{10}Be(^{11}B,2p) 1974Gu19

History

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

1974Gu19: The ^{10}Be(^{11}B,2p)^{19}N reaction was used in an early search for the ^{19}N isotope by bombarding an E(^{11}B)=30 MeV ion beam on a 700 μg/cm^2 thick ^{10}BeO target. No evidence was found for ^{19}N in a search for delayed γ-rays from ^{19}N(β^-) decay, though evidence for delayed neutron emission was observed with ($T_{1/2}$=420 ms *40*), the neutrons groups are tentatively assigned to the neutron-unbound states in ^{19}O. See also (1974JuZX).

1976Fi03: The β-delayed neutron decay of ^{19}N following the bombardment of a 700 μg/cm^2 thick ^{10}BeO target by an E(^{11}B)=30-40 MeV ion beam showed no support for ^{19}N production as discussed in (1974Gu19). The result is consistent with a low predicted cross section for the reaction obtained using the EVA 67 (evaporation) code.

^{19}N Levels

E(level)
0?