^{9}Be(^{13}O,X):^{11}O 2p decay 2019We03

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, B. Grees	ENSDF	31-July-2020

2019We03: ^{9}C is populated in the 2p-decay of ^{11}O. A beam of 69.5 MeV/nucleon ^{13}O ions, from the NSCL/A1900 fragment separator, was purified in the Radio Frequency Fragment Separator before impinging on a 1-mm thick ^{9}Be target. The reaction products were detected using the HiRA High-Resolution position sensitive ΔE-E telescope array, which covered the polar angles θ_{lab}=2.1° to 12.1°. A broad peak near E_{res}(2p+^{9}C)≈4.5 MeV was observed in the total energy spectrum and attributed to a collection of four 2p-unbound ^{11}O states.

See additional discussion and theoretical analysis in (2019Fo10, 2019Ka50, 2019Wa16).