

$^{232}\text{Th}(^{18}\text{O}, ^{18}\text{N}), (^{22}\text{Ne}, ^{18}\text{N})$ **1969Ar13**

<u>Type</u>	<u>Author</u>	<u>History</u>	<u>Citation</u>	<u>Literature Cutoff Date</u>
Full Evaluation	R. Spitzer, J. H. Kelley		ENSDF	30-Jun-2021

1969Ar13: The authors analyzed the transfer reaction products resulting from $E(^{18}\text{O})=122$ MeV bombardment of a 5 mg/cm^2 metallic ^{232}Th foil at Dubna. The reaction products were momentum analyzed in a magnetic spectrometer and then focused on a ΔE -E Si detector telescope, which provided particle identification. ^{18}N was identified.

1977Ar06: The transfer reaction products resulting from $E(^{22}\text{Ne})=172$ MeV bombardment of a 2.5 mg/cm^2 metallic ^{232}Th foil were measured at Dubna. The reaction products were momentum analyzed in a magnetic spectrometer positioned at $\theta=12^\circ$ and 40° and then focused on a ΔE -E Si detector telescope, which provided particle identification. ^{18}N was identified.

 ^{18}N LevelsE(level)

0