

²³²Th(¹⁸O,¹³B),²³²Th(²²Ne,¹³B) [1969Ar13,1977Ar06](#)

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu and J. E. Purcell		NDS 198,1 (2024)	1-Aug-2024

[1969Ar13](#): ²³²Th(¹⁸O,X). The authors analyzed the transfer reaction products resulting from E(¹⁸O)=122 MeV bombardment of a 5 mg/cm² metallic ²³²Th foil at Dubna. The reaction products were momentum analyzed in a magnetic spectrometer and then focused on a Si ΔE-E detector telescope, which provided particle identification. ¹³B was identified.

[1977Ar06](#): ²³²Th(²²Ne,X). The transfer reaction products resulting from E(²²Ne)=172 MeV bombardment of a 2.5 mg/cm² metallic ²³²Th foil were measured at Dubna. The reaction products were momentum analyzed in a magnetic spectrometer positioned at θ=12° and 40° and then focused on a ΔE-E Si detector telescope, which provided particle identification. ¹³B was identified.

¹³B Levels

E(level)
0