^{1}H(^{13}N,p)

History

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

1992De19: ^{1}H(^{13}N,p) E≈8.2 MeV; analyzed ^{14}O resonance.
2004Be16: ^{13}N(pol. p,p); calculated observables at E_p=500, 547, 800 MeV.
2007Te09: ^{1}H(^{13}N,p) E=0.4-3.3 MeV; measured $\sigma(E_p,\theta_p)$ for θ=−5° to 5° and 10° to 22°. Analyzed ^{14}O resonances via thick-target inverse kinematics study (TTIK).
2008Wa09, 2009Wa25, 2010Wa18: ^{1}H(^{13}N,p) $E_{c.m.}$=0.5-3.0 MeV. TTIK study of ^{14}O.
2015Be12: ^{13}N(p,p′) E<200 MeV. Cluster model analysis of proton scattering.

^{13}N Levels

E(level)
0