

$^{11}\text{B}(\alpha,t)$ 1975Aj02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu		NP A968,71 (2017)	1-Jan-2017

1972El09: $^{11}\text{B}(\alpha,\gamma)$ E=19-25 MeV, measured $\sigma(E,\theta_\gamma)$.

1972Va34: $^{11}\text{B}(\alpha,t)$ E=15-25 MeV, measured $\sigma(E,\theta)$. Deduced reaction mechanisms.

1974Dm01: $^{11}\text{B}(\alpha,t)$ E=15-25 MeV, measured $\sigma(E,\theta)$.

1983Va28,1987Va04,1989Va07: $^{11}\text{B}(\alpha,t)$ E=25-30 MeV, measured $\sigma(\theta)$. Deduced reaction mechanism, optical model parameters, residual level production σ . ^{12}C levels deduced L. DWBA analysis.

1984Be23: $^{11}\text{B}(\alpha,t)$ E=30.1 MeV, analyzed $\sigma(\theta)$. Deduced optical model parameters, exchange process role.

1986YaZR: $^{11}\text{B}(\alpha,t)$ E=64.9 MeV, measured $\sigma(\theta)$. ^{12}C levels deduced C^2S , Γ , isospin mixing.

1988Ig04: $^{11}\text{B}(\alpha,t)$ E=21-25 MeV, measured $t\gamma(\theta)$. ^{12}C level deduced density matrix components.

1999Le48: $^{11}\text{B}(\alpha,t)$ E=25.0 MeV, analyzed $t\gamma(\theta)$. ^{12}C deduced quadrupole deformation.

 ^{12}C Levels

E(level)[†]

0
 4.4×10^3
 7.7×10^3
 9.6×10^3
 12.7×10^3

[†] See references in (1975Aj02).