

${}^{10}\text{B}(\text{n},\alpha)$ 2002Ti10

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	Hu, Tilley, Kelley, Godwin et al.		NP A708,3 (2002)	23-Aug-2001

- 1967Ca02: ${}^{10}\text{B}(\text{n},\alpha\gamma)$ E=thermal, measured E_γ , ${}^7\text{Li}$ deduced levels, $T_{1/2}$.
 1969An25: ${}^{10}\text{B}(\text{n},\alpha)$ E=14.4 MeV, measured $\sigma(E_\alpha,\theta)$.
 1972Ca04: ${}^{10}\text{B}(\text{n},\alpha)$ E from ${}^{241}\text{Am}/\text{Be}$ source, measured Doppler shift. ${}^7\text{Li}$ level deduced $T_{1/2}$.
 1976Se06: ${}^{10}\text{B}(\text{n},\alpha)$ E=0.2-1.25 MeV, measured $\sigma(E,E_\alpha,\theta)$.
 1978Mo09: ${}^{10}\text{B}(\text{n},\alpha)$ E=13.9 MeV, measured $\sigma(E_\alpha,\theta)$.
 1979St03: ${}^{10}\text{B}(\text{n},\alpha)$ E=thermal, 2, 24 keV, measured $\sigma(\theta)$, ${}^7\text{Li}$ levels deduced α -branching ratio.
 1986Er05: ${}^{10}\text{B}(\text{pol N},\alpha)$ E=thermal, measured $\sigma(\theta)$, asymmetry. ${}^7\text{Li}$ levels deduced P-add asymmetry upper limits.
 1991We11: ${}^{10}\text{B}(\text{n},\alpha),(\text{n},\alpha\gamma)$ E=0.2-1 MeV, measured $\sigma(E)$. ${}^7\text{Li}$ deduced ground to excited state transition ratio.
 1993Sc20: ${}^{10}\text{B}(\text{n},\alpha)$ E=0.2-4 MeV, measured relative reaction σ .
 1994Sa72: ${}^{10}\text{B}(\text{N},\alpha)$ E=cold, thermal, measured I_γ , line shapes following residual decay.
 1999Ve03: ${}^{10}\text{B}(\text{pol N},\alpha)$ E=reactor, measured γ asymmetry. ${}^7\text{Li}$ transition deduced parity-violating.
 2000Go03: ${}^{10}\text{B}(\text{n},\alpha)$ E=thermal, measured E_α, I_α , deduced branching ratio.

 ${}^7\text{Li}$ Levels

E(level)	$T_{1/2}$
0	
0.48×10^3	70.7 fs ³⁴
4.63×10^3	