
 ${}^7\text{Li}(\text{n},\text{n})$ **2002Ti10**

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

- [1968Ho03](#): ${}^7\text{Li}(\text{n},\text{n}),(\text{n},\text{n}')$ E=3.35, 4.84 MeV, measured $\sigma(E_{\text{N}'},\theta)$.
[1979Ho11](#): ${}^7\text{Li}(\text{n},\text{n}),(\text{n},\text{n}')$ E=7-14 MeV, measured $\sigma(\theta)$. Integral σ .
[1979Kn01](#): ${}^7\text{Li}(\text{n},\text{n})$ E=4-7.5 MeV, measured $\sigma(\theta)$, deduced disagreement between observed, evaluated σ for ${}^7\text{Li}$.
[1980OI06](#): ${}^7\text{Li}(\text{N},\text{N}'\gamma)$ E=0.5-5 MeV, measured E_γ , I_γ , $\sigma_{\text{tot}}(E_{\text{GAMMA}})$, Ge(Li) detector.
[1985Ch37](#): ${}^7\text{Li}(\text{n},\text{n}),(\text{n},\text{n}'),(\text{n},\text{nt})$ E=5.4, 6, 14.2 MeV, measured $\sigma(\theta)$, $\sigma(\theta_1,\theta_2)$, deduced reaction σ .
[1987Sc08](#): ${}^7\text{Li}(\text{n},\text{n})$ E=6.82-9.8 MeV, measured $\sigma(\theta)$.
[1988Ha25](#): ${}^7\text{Li}(\text{n},\text{n}),(\text{n},\text{n}')$ E=24 MeV, measured $\sigma(\theta)$. ${}^7\text{Li}$ deduced transition densities.
[1991AI04](#): ${}^7\text{Li}(\text{N},\text{N}'\gamma)$ E=0.5-3. MeV, measured E_γ , I_γ , $\sigma(\theta)$, deduced $\sigma(E)$.
[1995Hu17](#): ${}^7\text{Li}(\text{N},\text{N}'\gamma)$ E=9, 9.5, 10 MeV, measured $\sigma(\theta_{\text{N}})$, Doppler broadened γ spectra. DWBA analysis.
[1998Ib02](#): ${}^7\text{Li}(\text{n},\text{xn})$ E=11.5, 18.0 MeV, measured neutron spectra, $\sigma(E_{\text{N}},\theta)$, $\sigma(\theta)$.

 ${}^7\text{Li}$ LevelsE(level)

0
477.
 4.63×10^3
 6.68×10^3