

${}^7\text{Li}(\gamma,n),(\gamma,2n)$ 2002Ti10

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

1965Ha19: ${}^7\text{Li}(\gamma,n)$ $E_\gamma \approx 6-30$ MeV, measured activation curve using bremsstrahlung, obtained $\sigma(E)$ with $\Delta E=0.5, 1.0$ MeV.

1977Fe05: ${}^7\text{Li}(\gamma,n)$ $E=13-25$ MeV bremsstrahlung, measured $\sigma(E)$.

1978De13: ${}^7\text{Li}(\gamma,n)$ $E \leq 30$ MeV, $E \leq 55$ MeV, measured integral σ .

1983Se07: ${}^7\text{Li}(\gamma,n)$ $E=60-120$ MeV, measured $\sigma(\theta)$, ratios, deduced reaction mechanism.

1985Se17: ${}^7\text{Li}(\gamma,n)$ $E=60-130$ MeV bremsstrahlung, measured $\sigma(E)$, $\sigma(\theta)$.

1986Si18: ${}^7\text{Li}(\gamma,n)$ $E=7.25-19.5$ MeV bremsstrahlung, measured photoneutron yield curve, deduced neutron production σ .

1989Ka30: ${}^7\text{Li}(\gamma,n)$ $E=7-9$ MeV, measured bremsstrahlung yield, deduced $\sigma(E)$.

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

E(level)	$T_{1/2}$
7.46×10^3	
13.75×10^3 3	≈ 500 keV
14.65×10^3 3	≈ 700 keV
$17. \times 10^3$?	