

${}^7\text{Li}(\gamma, n), {}^7\text{Li}(\gamma, p\pi^-)$ **2002Ti10**

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

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

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

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

1985Se17: ${}^7\text{Li}(\gamma, N)$ E=60-130 MeV bremsstrahlung, measured $\sigma(E)$ $\sigma(\theta)$. Magnetic spectrometer, quasideuteron, direct knockout models.

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 $\sigma(E)$, solar neutrino implications.

 ${}^6\text{Li}$ Levels

E(level)

0

2.19×10^3

3.56×10^3