${}^{6}\text{Li(n,p)}$ **2002Ti10**

History

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

1969Pr04: ${}^{6}\text{Li(n,p)}$ E=3.1 to 9.0 MeV, measured $\sigma(E)$. ${}^{7}\text{Li}$ deduced levels, J, π, L, T, Γ, γ^2.

1972Me05: ${}^{6}\text{Li(n,p)}$ E=14 MeV, measured $\sigma(\theta=0\text{-}150°)$.

1977Ri07: ${}^{6}\text{Li(n,p)}$ E=800 MeV, measured σ.

1977Ro01: ${}^{6}\text{Li(n,p)}$ E=4.4-7.25 MeV, measured $\sigma(E)$ At forward angles, E=4.71, 5.24, 6.77 MeV, measured $\sigma(\theta)$.

1982Br04: ${}^{6}\text{Li(n,p)}$ E=60 MeV, measured $\sigma(E_P)$, $\sigma(\theta)$, deduced effective isovector spin-flip nucleon-nucleon interaction. ${}^{6}\text{He}$ levels deduced Gamow-Teller transition strength.

1988Ja01: ${}^{6}\text{Li(n,p)}$ E=198 MeV, measured $\sigma(\theta_P)$.

1988Wa24: ${}^{6}\text{Li(n,p)}$ E=118 MeV, measured $\sigma(\theta)$, deduced Gamow-Teller resonance, sum rule. DWBA analyses.

1990Mi10: ${}^{6}\text{Li(n,p)}$ E=280 MeV, measured $\sigma(\theta)$, $\sigma(E_P)$, deduced isospin symmetry test.

1992So02: ${}^{6}\text{Li(n,p)}$ E=60-260 MeV, measured $\sigma(\theta,E)$, deduced unit σ, effective interaction volume integrals.

1996Bb23: ${}^{6}\text{Li(n,p)}$ E=0.88 GeV, measured $A_Y(\text{THETA})$. Polarized, unpolarized targets.

1998Ha24: ${}^{6}\text{Li(n,p)}$ E=118 MeV, measured proton spectra.

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

E(level)	J^π	$T_{1/2}$	Comments
0	0^+		T=1
1800	2^+		
15.5×10^3 _5_		4. MeV _2_	
$25.\times10^3$ _1_		8. MeV _2_	