^{7}Li(p,n) 2002Ti10,1988Aj01,1974Aj01

History

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

1965Ba39: ^{7}Li(p,n) measured not abstracted, ^{7}Be deduced levels.
1966Pa11: ^{7}Li(p,n) E=3.0 MeV, measured the lifetime 1st excited state of ^{7}Be with Doppler-shift attenuation method.
1967Lo07: ^{7}Li(p,n) E=23-52 MeV, measured σ(E).
1968Ba41: ^{7}Li(p,n) E=30, 50 MeV, measured $\sigma(E,E_N,\theta)$. ^{7}Be deduced levels.
1972Bo02: ^{7}Li(p,nγ) E=2.7 MeV, measured E_γ. ^{7}Be deduced levels.
1974Bu16: ^{7}Li(p,n) E<3.8 MeV, measured $\sigma(E,E_N,\theta)$.
1976Do10: ^{7}Li(p,nγ) E=4.0, 4.23, 4.40 MeV, measured DSA, ^{7}Be levels deduced Γ.
1976Po06: ^{7}Li(p,n) E=4.2-26 MeV, measured $\sigma(E,\theta)$ to ^{7}Be ground state, first excited state, θ=3.5-159°.
1982Wa02: ^{7}Li(p,n) E=60-200 MeV, measured total reaction σ vs E.
1984Da22: ^{7}Li(p,n) E=60-480 MeV, measured reaction σ.
1989Gu13: ^{7}Li(p,n) E=16, 20, 24 MeV, measured neutron spectra, deduced absolute neutron counting efficiency.
1990Ra08: ^{7}Li(p,n),(pol p,n) E=60-200 MeV, measured $\sigma(\theta)$. ^{7}Be deduced branching ratio, Gamow-Teller transition strength.
1995Ya12: ^{7}Li(p,n) E=186 MeV, measured $\sigma(\theta,E_N)$, deduced quasifree reaction contribution In giant resonance region, ΔL=1 transitions energy spectra.
1997De54: ^{7}Li(p,n) E=2.7-4 MeV, measured zero-degree $\sigma(E_P, \theta)$, deduced detector characteristics.
1999Na02: ^{7}Li(p,n) E=70-210 MeV, measured neutron spectra. Quasi- monoenergetic neutron field.

^{7}Be Levels

E(level)	J^π	$T_{1/2}$	Comments
0	$3/2^-$		T=1/2
429.20 *10*	$1/2^-$	133 fs *25*	T=1/2
4.61×10^3 *7*			
6.51×10^3			
7.21×10^3 *6*			
9.6×10^3 *3*			
10.79×10^3			
11.3×10^3? *2*			
12.3×10^3? *2*			
13.24×10^3? *15*			
14.39×10^3? *15*			
15.3×10^3? *2*			
16.3×10^3? *2*			
18.3×10^3? *2*			
19.7×10^3? *3*			
20.5×10^3? *2*			