

${}^1\text{H}({}^{11}\text{Li}, {}^1\text{H})$ 1996Ko02,1997Ko06

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu		NP A880, 88 (2012)	1-Jan-2011

- 1992FaZV: ${}^{11}\text{Li}(p,p')$, E=50-100 MeV; calculated $\sigma(\theta_p, E_p)$. ${}^{11}\text{Li}$ deduced soft monopole mode evidence.
- 1992Mo26: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, E=60, 62 MeV/nucleon; measured $\sigma(\theta)$.
- 1993Ko11: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, E=62 MeV/nucleon; compiled data.
- 1996Ko02: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, E=75 MeV/nucleon; measured $\sigma(\theta)$, proton spectra. ${}^{11}\text{Li}$ deduced levels, halo characteristics.
- 1997Ko06: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, E=62, 75, 800 MeV/nucleon; measured $\sigma(\theta)$. ${}^{11}\text{Li}$ deduced extended neutron distributions.
- 1997Ko11: ${}^{11}\text{Li}(p,p)$, (p,p') , E=68 MeV/nucleon; measured $\sigma(\theta)$, inclusive proton spectra. ${}^{11}\text{Li}$ deduced resonances, excited, ground state structure.
- 1999Ka68: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, $({}^{11}\text{Li}, X)$, E=68 MeV/nucleon; analyzed $\sigma(E, \theta)$. ${}^{11}\text{Li}$ deduced soft dipole resonance.
- 2002Cr06: ${}^{11}\text{Li}(p,p')$, E=68 MeV/nucleon; calculated, analyzed $\sigma(E)$, $\sigma(\theta)$. ${}^{11}\text{Li}$ deduced excited states features.
- 2002Eg02: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, E \approx 700 MeV/nucleon; measured $\sigma(\theta)$. ${}^{11}\text{Li}$ deduced radii.
- 2003Eg03: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, E \approx 700 MeV, measured $\sigma(E, \theta)$. ${}^{11}\text{Li}$ deduced matter density distributions.
- 2006Do02: ${}^1\text{H}({}^{11}\text{Li}, {}^{11}\text{Li})$, E=700 MeV/nucleon; measured, analyzed small-angle elastic $\sigma(\theta)$. ${}^{11}\text{Li}$ deduced radii, matter distributions.

 ${}^{11}\text{Li}$ Levels

E(level)	$T_{1/2}$	L	Comments
0			
1.25×10^3 15	0.75 MeV 60	1	E(level): from (1996Ko02,1997Ko06). Γ : from (1997Ko06,1997Ko11).
3.0×10^3 2			E(level): from (1996Ko02,1997Ko06).
4.90×10^3 ? 25			E(level): from (1996Ko02,1997Ko06).
6.40×10^3 ? 25			E(level): from (1996Ko02,1997Ko06).
11.30×10^3 35			E(level): from (1996Ko02,1997Ko06).