^{6}Li(^{3}He,t) 2002Ti10,1989Bo42

History

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

1966Ma36: ^{6}Li(^{3}He,t) E=30, 40 MeV, measured $\sigma(E_t,\theta)$. ^{6}Be deduced levels, Γ.
1972Gi07: ^{6}Li(^{3}He,t) E=24.6, 27.0 MeV, measured $\sigma(E(^{3}He))$. Measured $\sigma_{inel}(THETA)/\sigma_{(^{3}He-t)}(THETA)$.
1973Ha45: ^{6}Li(^{3}He,t) E=46.3 MeV, measured $\sigma(E_t,\theta=5°)$. Deduced No ^{3}He-^{3}He resonance.
1977Ge02: ^{6}Li(^{3}He,t), ^{6}Be->α + 2p, measured tALPHA-coin, ^{6}Be deduced particle decay.
1979Ha19: ^{6}Li(^{3}He,t^{3}He) E=45 MeV, measured σ for symmetric angle pairs. Faddeev calculations, Coulomb corrections.
1981Ba37: ^{6}Li(pol ^{3}He,t) E=33.3 MeV, measured $\sigma(\theta)$, A(θ).
1983De14: ^{6}Li(^{3}He,t) E=40 MeV, measured inclusive $\sigma(\theta, E_t)$, deduced exit channel dependence, competing mechanisms role.
1984Bo49: ^{6}Li(^{3}He,t) E=40 MeV, measured $\sigma(\theta_t,\theta_\alpha,E_\alpha)$, αt-coin. ^{6}Be levels deduced two-proton emission decay characteristics.
1987Bo39: ^{6}Li(^{3}He,t) E=38.7 MeV, measured $\sigma(E_\alpha,\theta_\alpha,\theta_t)$, $\sigma(E_\alpha)$. ^{6}Be deduced 2^+ state three-body decay.
1988Bo38: ^{6}Li(^{3}He,t) E=40 MeV, measured $\sigma(E_\alpha,\theta_\alpha, \theta_P)$. ^{6}Be deduced exotic decay evidence. Kinematically complete experiment.
1989Bo42: ^{6}Li(^{3}He,t) E=40 MeV, measured $\sigma(\theta_t)$, $\sigma(E_t, \theta_t)$, tALPHA-, tp-, tALPHAp-coin, $\sigma(E_t,\theta_t, E_\alpha,\theta_\alpha)$, $\sigma(E_t,\theta_t,E_P,\theta_P)$, $\sigma(E_t,\theta_t,E_\alpha,\theta_\alpha,E_P,\theta_P)$. ^{6}Be levels deduced decay characteristics.
1992Bo25: ^{6}Li(^{3}He,t) E=40 MeV, measured α-, proton-spectra, α-coin following ^{6}Be decay. ^{6}Be levels deduced decay mechanism. Kinematically complete experiments. Three-body K-harmonic method.

^{6}Be Levels

E(level)	J^π	$T_{1/2}$
0	0^+	89 keV *6*
1.7×10^3	(2^+)	