^{6}Li(^{6}Li,X) 2002Ti10,1970Na02,1985Sa36

History

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

1964Ma26: ^{6}Li(^{6}Li,α) E=2-4.4 MeV, measured $\sigma(\theta$,E).
1966Be22: ^{6}Li(^{6}Li,α) E=2.75 MeV, measured αALPHA(THETA,E_{ALPHA}).
1970Fr06: ^{6}Li(^{6}Li,α)2α E=4-24 MeV, measured σ(E,θ).
1970Na02: ^{6}Li(^{6}Li,^{6}Li),(^{6}Li,^{6}Li′) E=28, 32, 33 MeV, measured $\sigma(\theta)$, deduced spin-isospin-flip mechanism.
1973Gr34: ^{6}Li(^{6}Li,^{6}Li) E=2-10 MeV, measured σ(E,θ).
1981Wa15: ^{6}Li(^{6}Li,2α),(^{6}Li,2d) E=36-47 MeV, measured $\sigma(\theta_1,\theta_2,E_1,E_2)$, deduced reaction mechanism.
1983No08: ^{6}Li(^{6}Li,^{6}Li) E=2-5.5 MeV, measured $\sigma(\theta)$, σ(E(^{6}Li)), total σ(reaction).
1983Wa09: ^{6}Li(^{6}Li,2α),^{6}Li(^{6}Li,2d) E=97.5 MeV, measured $\sigma(\theta_1,\theta_2,E_1,E_2)$ for 2α, 3α breakup.
1985Mi05: ^{6}Li(^{6}Li,^{6}Li) E=156 MeV, measured σ(E(^{6}Li),θ), $\sigma(\theta)$.
1985Sa36: ^{6}Li(^{6}Li,^{6}Li),(^{6}Li,^{6}Li′) E=156 MeV, measured $\sigma(\theta)$.
1987La25: ^{6}Li(^{6}Li,2α) E=2.4-6.7 MeV, measured quasifree reaction σ(E), αALPHA(THETA), $\sigma(\theta_1,\theta_2$,E).
1988La11: ^{6}Li(^{6}Li,2α) E=4.2 MeV, measured two quasi-free process $\sigma(\theta_1,\theta_2,E_1)$, deduced mechanism, energy dependence.
1990Le05: ^{6}Li(^{6}Li,α) E=2-16 MeV, measured $\sigma(\theta)$. I_γ(THETA), deduced fusion σ(E).
2001Mu30: ^{6}Li(^{6}Li,2α) $E_{c.m.}$=10-800 keV, measured σ.

^{6}Li Levels

E(level)	J^π
0	
2.19×10^3	3^+
3.56×10^3	0^+