^{6}Li(^{3}He,^{3}He)   2002Ti10,1974Aj01

History

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

1968Lu02: ^{6}Li(^{3}He,^{3}He) E=8 to 20 MeV, measured σ(E,θ). Deduced optical parameters. DWBA calculations, deduced ratio of S.

1972Gi07: ^{6}Li(^{3}He,^{3}He),^{6}Li(^{3}He,^{3}He′) E=24.6 MeV, 27 MeV. Measured σ(E(^{3}He),θ).

1981Ba37: ^{6}Li(pol ^{3}He,^{3}He),(pol ^{3}He,^{3}He′) E=33.3 MeV, measured σ(θ), A(θ), deduced optical-model parameters, reaction mechanism.

1986Br31: ^{6}Li(^{3}He,^{3}He) E=34,50,60,72 MeV, measured σ(θ), deduced cluster transfer mechanism contribution.

1994Do32: ^{6}Li(^{3}He,^{3}He) E=93 MeV, measured ^{3}He yields vs θ, σ(θ,E), deduced breakup mechanism dominance.

1995Bu20: ^{6}Li(^{3}He,^{3}He),(^{3}He,^{3}He′) E=50-72 MeV, measured σ(θ), deduced model parameters, cluster transfer features. ^{6}Li level deduced spectroscopic factors. DWBA analysis.

^{6}Li Levels

E(level)	J$^\pi$
0.0	
2.185×10^3	3$^+$
3.56×10^3	
4.53×10^3	
5.37×10^3	