^{6}**Li(α,d), ^{6}Li(α,2α)**   **2004Ti06**

History

Type	Author	Citation	Literature Cutoff Date
Update	J. H. Kelley, J. L. Godwin, C. G. Sheu	ENSDF	31-Mar-2004

1968Do13: ^{6}Li(α,2α) E=25 MeV, measured $\sigma(E_\alpha,E_d,\theta)$.

1969Do02: ^{6}Li(α,2α) E=25 MeV, measured $\sigma(E_{\alpha_1},E_{\alpha_2},\theta_1,\theta_2)$.

1969Pi11: ^{6}Li(α,2α) E=55 MeV, measured $\sigma(E_{\alpha_1},E_{\alpha_2},\theta_1,\theta_2)$.

1970Ga14: ^{6}Li(α,2α) E=42.8, 55 MeV, measured $\sigma(\theta)$.

1970Ja17: ^{6}Li(α,2α) E=64 MeV, measured $\sigma(E_{\alpha_1},E_{\alpha_2},\theta_1,\theta_{\alpha_2})$.

1971Be52: ^{6}Li(α,d) E=12 MeV, measured $\sigma(E_d)$. ^{8}Be deduced variations In ghost anomaly.

1971Wa19: ^{6}Li(α,2α) E=50.4, 59.0, 60.5, 70.3, 79.6 MeV, measured $\sigma(E,E_{\alpha_1},E_{\alpha_2},\theta_{\alpha_1},\theta_{\alpha_2})$.

1974Gr21: ^{6}Li(α,d) E=20, 24 MeV, measured $\sigma(E_d,\theta)$, deduced exchange contributions.

1974Le14: ^{6}Li(α,d) E=12-25 MeV, measured $\sigma(E_\alpha,\theta)$.

1979Do04: ^{6}Li(α,2α) E=700 MeV, measured absolute $\sigma(E_{\alpha_1},E_{\alpha_2},\theta_{\alpha_1},\theta_{\alpha_2})$. Deduced effective number of α clusters.

1985Ko29: ^{6}Li(α,2α) E=27.2 MeV, measured $\sigma(E_{\alpha_1},\theta_{\alpha_1},\theta_{\alpha_2})$. Deduced reaction mechanism.

1989Li24: ^{6}Li(α,d) E=26.68 MeV, measured $\sigma(\theta)$. Deduced reaction mechanism, clusters role.

1992Wa18: ^{6}Li(α,2α) E=77-119 MeV, measured $\sigma(\theta_1,\theta_2,E1,E2)$. Deduced reaction mechanism, spectral functions.

^{8}Be Levels

E(level)	T$_{1/2}$	Comments
0.0		
3.0×10^{3}	1.2 MeV 3	
11.3×10^{3} 4		E(level): from (1962Ce01).