

${}^7\text{Li}({}^3\text{He,d}), {}^7\text{Li}({}^3\text{He,d}\alpha)$ 2004Ti06

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

- 1969Nu01: ${}^7\text{Li}({}^3\text{He,d})$ E=8 MeV, measured $\sigma(\theta)$. ${}^8\text{Be}$ resonance deduced E, Γ -level.
 1970Di12: ${}^7\text{Li}({}^3\text{He,d})$ E=10 MeV, measured $\sigma(E_d, \theta)$, $\sigma(E_p, \theta)$. ${}^8\text{Be}$ levels deduced S.
 1971Pi06: ${}^7\text{Li}({}^3\text{He,d})$ E=15 MeV, measured $\sigma(E_d, \theta)$, SIGNA(E_t, θ). ${}^8\text{Be}$ deduced levels, Γ -level.
 1975Bo56: ${}^7\text{Li}({}^3\text{He,d})$ E=1.0-2.5 MeV, measured $\sigma(E, E_d, \theta)$.
 1976Da24: ${}^7\text{Li}({}^3\text{He,d}\alpha)$ E=4.7 MeV, measured $\alpha d(\theta)$, σ .
 1977Bo29: ${}^7\text{Li}({}^3\text{He,d})$ E=1.0-2.5 MeV, measured $\sigma(E, E_d, \theta)$. ${}^8\text{Be}$ level deduced S.
 1979RoZZ: ${}^7\text{Li}({}^3\text{He,d})$ E=13 MeV, measured $\sigma(E_d)$. Deduced reaction mechanism.
 1981Ba38: ${}^7\text{Li}(\text{pol. } {}^3\text{He,d})$ E=33.3 MeV, measured $\sigma(\theta)$, A(θ). ${}^8\text{Be}$ levels deduced S.
 1985Fr01: ${}^7\text{Li}({}^3\text{He,d}\alpha)$ E=120 MeV, measured $\sigma(E_1, E_2, \theta_1, \theta_2)$. Deduced residuals missing mass spectra.
 2003Fr22: ${}^7\text{Li}({}^3\text{He,d})$ E=390-1130 keV, measured E_α , σ , $\sigma(\theta)$.
 1988Ar20: ${}^7\text{Li}({}^3\text{He,d}\alpha)$ E=11.5 MeV, measured $\sigma(\theta_d, \theta_\alpha)$ vs arc length.
 1991Ar19: ${}^7\text{Li}({}^3\text{He,d}\alpha)$ E=5 MeV, measured $\sigma(\theta_d, \theta_\alpha)$ vs arc length.
 1995Ar14: ${}^7\text{Li}({}^3\text{He,d}\alpha)$ E=4.5, 6 MeV, measured dALPHA-coin.

 ${}^8\text{Be}$ Levels

E(level)	$T_{1/2}$
0.0	
3.0×10^3	
16627 5	113 keV 3
16901 5	77 keV 3
17.6×10^3	
18.2×10^3	