

${}^9\text{Be(d},\alpha)$ 2002Ti10,1987Ka17

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

- 1966Ha09: ${}^9\text{Be(d},\alpha)$ E=11 MeV, measured $\sigma(E_\alpha,\theta)$. ${}^7\text{Li}$ deduced levels.
 1971Sa27: ${}^9\text{Be(d},\alpha)$ E=0.9-2.2 MeV, measured $\sigma(E,\theta)$, discuss reaction mechanism.
 1976Bo45: ${}^9\text{Be(d},\alpha)$ E=0.9-2.5 MeV, measured $\sigma(E,E_\alpha,\theta)$.
 1977Sl02: ${}^9\text{Be(d},\alpha)$ E=2.25-3.1 MeV, measured $\sigma(E,E_\alpha)$.
 1980De43: ${}^9\text{Be(pol d},\alpha)$ E=1.4-2.6 MeV, measured $\sigma(\theta,E)$, $A_Y(\text{THETA},E)$.
 1984An16: ${}^9\text{Be(pol d},\alpha)$ E=2-2.8 MeV, measured $\sigma(\theta)$, $A_Y(\text{THETA})$, deduced reaction mechanism.
 1987Ka17: ${}^9\text{Be(d},\alpha)$ E=50 MeV, measured $\sigma(\theta_\alpha,E_\alpha)$. ${}^7\text{Li}$ deduced resonance, analog characteristics.
 1989Sz02: ${}^9\text{Be(d},\alpha)$ E=6.7-7.5 MeV, measured $\sigma(\theta,E)$, deduced reaction mechanism. ${}^7\text{Li}$ deduced cluster spectroscopic amplitudes.
 1994Ly02: ${}^9\text{Be(pol d},\alpha)$ E=1.3-3.1 MeV, measured vector analyzing $A_Y(\text{THETA},E)$, deduced direct, resonant interactions interface evidence.
 1997Ya02: ${}^9\text{Be(d},\alpha)$ $E_{C.M.}=57-139$ keV, measured energy spectra, $\sigma(\theta)$, deduced σ , astrophysical S-factor vs E.

 ${}^7\text{Li Levels}$

E(level)	$T_{1/2}$
0	
0.48×10^3	
4.63×10^3	93 keV 25
6.68×10^3	
7.46×10^3	80 keV 20
9.67×10^3	
9.85×10^3	
18×10^3 1	5 MeV 1