^{9}Be(d,t) 2004Ti06

History

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

1967Fi07: ^{9}Be(d,t) E=11.8 MeV, measured $\sigma(E_{d'},\theta)$, $\sigma(E_t,\theta)$. ^{8}Be deduced levels, S.
1971Be52: ^{9}Be(d,t) E=2.5 MeV, measured $\sigma(E_t,\theta)$. ^{8}Be deduced variations In ghost anomaly.
1973Za06: ^{9}Be(d,t) E=13.6 MeV, measured $\sigma(E_t,\theta)$.
1974Bo42: ^{9}Be(d,t_0) E=0.9-2.5 MeV, measured $\sigma(E,E_{p0},\theta)$, $\sigma(E,E_{p1},\theta)$, $\sigma(E,E_{t0},\theta)$.
1974Fr02: ^{9}Be(d,t) E=0.6-2.7 MeV, measured $\sigma(\theta)$.
1975Zw01: ^{9}Be(d,t) E=0.9-3.1 MeV, measured $\sigma(E,\theta)$, $\sigma(E)$. ^{8}Be levels deduced S.
1976Da15: ^{9}Be(pol. d,t) E=15 MeV, measured $\sigma(\theta)$, A_Y(THETA). ^{8}Be levels deduced S, Γ, J-admixtures. DWBA analysis.
1977Oo01: ^{9}Be(d,t) E=27.97 MeV, measured $\sigma(\theta)$. ^{8}Be deduced levels, L, S, ISOSPIN-mixing.
1978Ta04: ^{9}Be(d,t) E=12.17-14.43 MeV, measured $\sigma(\theta)$.
1981Ov02: ^{9}Be(d,t) E=26 MeV, measured $\sigma(E_\alpha,\sigma(E_d),\sigma(E_t),\sigma(E(^{6}Li)),\sigma(E(^{16}O))$. ^{8}Be resonances deduced Γ, α-reduced widths.
1984An16: ^{9}Be(pol. d,t) E=2-2.8 MeV, measured $\sigma(\theta)$, vector analyzing power vs. θ. Deduced reaction mechanism. DWBA.
1988Go02,1988Gu20: ^{9}Be(d,t) E=18 MeV, measured $\sigma(\theta)$. Deduced model parameters, spectroscopic factors. DWBA.
1989Sz02: ^{9}Be(d,t) E=6.7-7.5 MeV, measured $\sigma(\theta)$ vs. E. Deduced reaction mechanism.
1994Ab25: ^{9}Be(d,t) E=0.9-11.2 MeV, measured $\sigma(E)$.
1994Ly02: ^{9}Be(pol. d,t) E=1.3-3.1 MeV, measured vector analyzing power vs. θ,E. Deduced direct, resonant interactions interference evidence. DWBA, R-matrix analyses.
1995Ab41: ^{9}Be(d,t) E=3-11 MeV, measured $\sigma(\theta)$. Deduced σ.
1995Gu22: ^{9}Be(d,t) E=8-50 MeV, analyzed $\sigma(\theta)$. Deduced vertex constants. DWBA.
1997Ya02,1997Ya08: ^{9}Be(d,t) $E_{C.M.}$=57-139 MeV, measured energy spectra, $\sigma(\theta)$. Deduced σ, astrophysical S-factors.
2000Ge16: ^{9}Be(d,t) E=3-11 MeV, measured $\sigma(\theta)$, integral σ.

^{8}Be Levels

E(level)	$T_{1/2}$	S	Comments
0.0			
3.03×10^{3} *1*	1.43 MeV *6*		
11.4×10^{3}			
16.6×10^{3}		0.074	
16.9×10^{3}		1.56	
17.6×10^{3}		0.22	
18144 *5*		0.17	
19071 *10*	270 keV *30*	0.41	
19.26×10^{3} *3*	220 keV *30*	0.48	
19.86×10^{3} *5*	0.70 MeV *10*	0.40	unresolved.
20.1×10^{3}			unresolved.