^{9}Be(^{3}He,t)   **1987Ka36,2004Ti06**

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu, J. L. Godwin, et al.	NP A745 155 (2004)	31-Mar-2004

1967Cr04: ^{9}Be(^{3}He,t) E=10 MeV, measured $\sigma(E_t,\theta)$. ^{9}B DWBA analysis.

1967Ea01: ^{9}Be(^{3}He,t) E=3.50-9.00 MeV, measured $\sigma(E,\theta)$.

1969Ba06: ^{9}Be(^{3}He,t) E=40-50 MeV, measured $\sigma(E_t,\theta)$. Deduced optical-model parameters. ^{9}B deduced levels.

1969Or01: ^{9}Be(^{3}He,t) E=2.0-4.2 MeV, measured $\sigma(E,E_t,\theta)$. Deduced cluster reduced widths. PWBA with exchange analysis.

1976Ue01: ^{9}Be(^{3}He,t) E=5.5-7.8 MeV, measured $\sigma(E,E_t,\theta)$.

1976Wi05: ^{9}Be(^{3}He,t) E=217 MeV, measured $\sigma(E_t,\theta)$.

1987Ka36: ^{9}Be(^{3}He,t) E=90 MeV, measured $\sigma(E,\theta)$, $\sigma(E_t)$. ^{9}B deduced levels, possible analogs, Γ.

1990Bo51: ^{9}Be(^{3}He,t) E=40.5 MeV, measured E_α, I_α following residual breakup. ^{9}B level deduced three-body decay features.

1994Ak02: ^{9}Be(^{3}He,t) E=450 MeV, measured triton spectra, (particle)(particle)-coin. Deduced reaction mechanism features. ^{9}B deduced Gamow-Teller, spin-flip resonance excitation enhancement.

2001Ak09: ^{9}Be(^{3}He,t) E=150 MeV/nucleon, measured $\sigma(E,\theta)$. ^{9}B deduced excited states energies, widths.

2001Fu06: ^{9}Be(^{3}He,t) E=450 MeV, measured excitation energy spectra, IAR, Gamow-Teller and spin-dipole resonance parameters, strength distributions.

^{9}B Levels

E(level)	$T_{1/2}$	Comments
0.0		
1.49×10^3 *2*	1.28 MeV *5*	E(level): from E=1.16 MeV *5* (1987Ka36) and 1.61 MeV *3* (ref. 10 of 1987Ka36: Djaloeis et al.); however the cited accuracy appears unjustified. See also (2001Ak09). Γ: from Γ=1.30 MeV *5* (1987Ka36) and Γ=1.0 MeV *2* (Djaloeis et al.); however the cited accuracy appears unjustified.
2.32×10^3 *3*		E(level): from (1987Ka36).
2.72×10^3 *4*		E(level): from (1987Ka36).
3.82×10^3? *23*	1.3 MeV *6*	E(level): Γ: from (2001Ak09).
4.80×10^3 *3*	1.5 MeV *3*	E(level): from (1987Ka36). Γ: from (1987Ka36).
7.0×10^3		
14.7×10^3		
16.7×10^3 *1*	<100 keV	E(level): from (1987Ka36). Γ: from (1987Ka36).
18.6×10^3 *3*		E(level): from (1987Ka36). Γ: from (1987Ka36).
20.7×10^3 *5*	1.6 MeV *3*	E(level): from (1987Ka36). Γ: from (1987Ka36).