^{9}Be(α,t) 1988Aj01

History

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

1974Ke06: ^{9}Be(α,^{3}H) E=26-27.5 MeV, measured σ(E$_t$,θ). Compared with DWBA. ^{10}B deduced relative S.
1980Ha33: ^{9}Be(α,^{3}H) E=65 MeV, measured σ(E$_\alpha$,θ), σ(E$_t$,θ), σ(E(^{3}He),θ). Deduced optical-model parameters. ^{10}B levels deduced L, S. DWBA analysis.
1984Va07: ^{9}Be(α,^{3}H) E=30.2 MeV, measured σ(θ). Deduced σ, optical model parameters, reaction mechanism.

^{10}B Levels

E(level)	L	S[†]	Comments
0	1	0.89	
718	1	1.00	
1740	1	1.58	
2155	1	0.52	
3590	1	0.28	
4773			
5112	2	<0.27	unresolved.
5166	1	<1.85	unresolved.
5180	1	<3.14	unresolved.
5924	1	0.48	
6025			
6133	2	0.24	
6561	(1,2)		
7002	1		
7431			unresolved.
7467			unresolved.
7477			unresolved.
7559			unresolved.
7.84×10^{3}	2	0.28	
8889	2	<0.11	unresolved.
8894	1	<1.45	unresolved.

[†] (1980Ha33).