^{9}Be(^{6}Li,^{6}Li′),^{9}Be(^{7}Li,^{7}Li′)   1988Aj01

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

1974Vo06: ^{9}Be(^{6}Li,^{6}Li) E=4, 6 MeV, measured $\sigma(\theta)$. Deduced optical model parameters.

1985Co09: ^{9}Be(^{6}Li,^{6}Li), (^{6}Li,^{6}Li′) E=34, 36 MeV, measured $\sigma(\theta)$. Deduced optical model parameters. Coupled-channels, DWBA analyses.

1990Tr02: ^{9}Be(^{6}Li,^{6}Li), (^{6}Li,^{6}Li′) E=50 MeV, measured $\sigma(\theta)$. Deduced model parameters.

1993Re08: ^{9}Be(pol. ^{6}Li,^{6}Li), (pol. ^{6}Li,^{6}Li′) E=32 MeV, measured vector, tensor analyzing power vs θ. Deduced optical potential constraints, parameters.

1995Mu01: ^{9}Be(^{6}Li,^{6}Li), (^{6}Li,^{6}Li′) E(cm)=7, 10, 12 MeV, measured $\sigma(\theta)$ vs E. ^{9}Be levels deduced deformation lengths. Finite-range DWBA.

2002Li67: ^{9}Be(^{6}Li,^{6}Li), (^{7}Li,^{7}Li) E=13 MeV, measured $\sigma(\theta)$.

1972We08: ^{9}Be(^{7}Li,^{7}Li) E=15, 21, 24 MeV, measured $\sigma(\theta)$. Deduced optical model parameters.

1977Ke09: ^{9}Be(^{7}Li,^{7}Li) E=30 MeV, measured $\sigma(\theta)$. Deduced optical model parameters. Finite range DWBA analysis.

1998So05: ^{9}Be(^{7}Li,^{7}Li) E=52 MeV, measured Q-value spectra. ^{9}Be deduced excited states decay to $\alpha + {}^{5}$He.

2000Tr01: ^{9}Be(^{7}Li,^{7}Li) E=63, 130 MeV, measured $\sigma(\theta)$. Deduced optical model parameters.

^{9}Be Levels

E(level)
0.0
2.43×10^{3}
6.76×10^{3}