$^{10}\text{B}(^3\text{He},^3\text{He})$ 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

1970Du07: $^{10}\text{B}(^3\text{He},^3\text{He})$ E=4-18 MeV, measured $\sigma(E,\theta)$. Deduced optical potential parameters.

1970Nu02: $^{10}\text{B}(^3\text{He},^3\text{He})$ E=14 MeV, measured $\sigma(\theta)$. Deduced optical model parameters.

1972Bu30: $^{10}\text{B}(^3\text{He},^3\text{He})$ E=13 to 27 MeV, measured $\sigma(E(^3\text{He}),\theta)$. Deduced optical model fits.

1979Go07: $^{10}\text{B}(^3\text{He},^3\text{He})$ E=46.1 MeV, measured $\sigma(\theta)$.

1980Tr02: $^{10}\text{B}(^3\text{He},^3\text{He})$ E=41 MeV, measured $\sigma(\theta)$.

1987Ba34: $^{10}\text{B}(^3\text{He},^3\text{He})$ E=1.5-3.3 MeV, measured $\sigma(\theta)$, $\sigma(\theta,E)$. R-matrix analysis.

1987Ra36: $^{10}\text{B}(^3\text{He},^3\text{He})$ E=41 MeV, analyzed $\sigma(\theta)$. Deduced model parameters.

^{10}B Levels

E(level)	L	β_L (1968Sq01)	E(level)	L	β_L (1968Sq01)	E(level)	L	β_L (1968Sq01)
0			3587	2	0.36 4	6127	2	0.62 3
718	2	0.37 4	5110	3		6.55×10^3	3	
1740	(3)	0.69 9	5919			7.00×10^3		
2154	2	0.36 4	6025	2		7.48×10^3		