^{11}B(^{3}He,^{3}He) 1971Wa21,1977Sh09

History

Type	Author	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, C. G. Sheu	NP A880,88 (2012)	1-Jan-2011

1969Mi15: ^{11}B(^{3}He,^{3}He), E=10, 12, 18 MeV.
1969Pa11: ^{11}B(^{3}He,^{3}He) E=4-18 MeV, measured $\sigma(\theta)$. Deduced optical-model parameters.
1970Nu02: ^{11}B(^{3}He,^{3}He) E=14 MeV, measured $\sigma(\theta)$. Deduced optical model parameters.
1971Wa21: ^{11}B(^{3}He,^{3}He′) E=29.8 MeV, measured σ(ef), σ(E(^{3}He′), σ(En)).
1972Bu30: ^{11}B(^{3}He,^{3}He) E=13 to 27 MeV, measured σ(E(^{3}He),θ). Deduced optical-model fits.
1977Sh09: ^{11}B(^{3}He,^{3}He) E=17.5, 40.0 MeV, measured $\sigma(\theta)$. Deduced optical model parameters. ^{11}B deduced quadrupole, hexadecapole deformations.
1979Go07: ^{11}B(^{3}He,^{3}He) E=46.1 MeV, measured $\sigma(\theta)$.

^{11}B Levels

E(level)	$T_{1/2}$	Comments
0		
2.12×10^{3}		E(level): from (1977Sh09).
4.44×10^{3}		E(level): from (1977Sh09).
5.02×10^{3}		E(level): from (1977Sh09).
6.74×10^{3}		E(level): Unresolved. E(level): from (1971Wa21), (1977Sh09).
6.79×10^{3}		E(level): Unresolved. E(level): from (1971Wa21).
7.30×10^{3}		E(level): from (1971Wa21).
8.00×10^{3}		E(level): from (1971Wa21).
8.57×10^{3}		E(level): from (1971Wa21).
8.93×10^{3}		E(level): from (1971Wa21).
9.19×10^{3}		E(level): Unresolved. E(level): from (1971Wa21).
9.27×10^{3}		E(level): Unresolved. E(level): from (1971Wa21).
10.25×10^{3}		E(level): from (1971Wa21).
10.60×10^{3}		E(level): from (1971Wa21).
11.27×10^{3}		E(level): from (1971Wa21).
12.51×10^{3} *5*	260 keV *50*	T=3/2 E(level): Γ: from (1971Wa21).
12.98×10^{3} *9*	0.39 MeV *9*	E(level): Γ: from (1971Wa21).
13.03×10^{3}		E(level): from (1971Wa21).
14.40×10^{3} *5*	220 keV *50*	T=3/2 E(level): Γ: from (1971Wa21).
14.51×10^{3}		E(level): from (1971Wa21).