^{10}B(^{3}He,α),(^{3}He,αp),(^{3}He,2α)   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

1968Kr02: ^{10}B(^{3}He,α) E=2.49, 3.24, 3.74 MeV, measured $\sigma(E_\alpha,\theta)$. ^{10}B(^{3}He,pα) E=2.43 MeV, measured pα-coin. ^{9}B deduced levels, Γ.

1970Gi04: ^{10}B(^{3}He,α) E=1-2 MeV, measured $\sigma(E,\theta)$.

1971Sq03: ^{10}B(^{3}He,α) E=33.7 MeV, measured $\sigma(E_\alpha,\theta)$. ^{9}B levels deduced S.

1972Be56: ^{10}B(^{3}He,α) E=30-36 MeV, measured $\sigma(E,E_P)$, $\sigma(E, E_d)$, $\sigma(E,E_\alpha,\theta)$.

1986Ar14: ^{10}B(^{3}He,α) E=2.3, 5 MeV, measured α-α-coin, $\sigma(\theta_{\alpha_1},\theta_{\alpha_2})$ vs arc length. ^{9}B deduced level, Γ.

1988Ar05: ^{10}B(^{3}He,α) E=2.3, 5 MeV, measured $\sigma(\theta_\alpha,\theta_P)$ vs arc length. ^{9}B deduced level, Γ.

1974Fo08: ^{10}B(^{3}He,pα) E=1.8 MeV, measured αp-coin. ^{9}B deduced levels.

^{9}B Levels

E(level)	T$_{1/2}$	Comments
0.0		
1.8×10^3 3	900 keV 3	E(level): from E$\approx$1.5 MeV (1968Kr02) and E=1.8 MeV 3 (1988Ar05).
		Γ: from $\Gamma\approx$0.7 (1968Kr02) and Γ=0.9 MeV 3 (1988Ar05).
2361 5	81 keV 5	%p<0.5; %$\alpha\geq$99.5 (1966Wi08)
		E(level): from (1968Kr02). Other values 2330 keV 2 (1960Sp08), 2333 keV 10 (1960Ta12), 2370 keV 20 (1959Po61).
		Γ: from (1968Kr02). Other values 83 keV 9 (1960Sp08), 80 keV 15 (1959Po61).
2776 35	600 keV 40	%p$\approx$100 (1966Wi08)
		E(level): from weighted average of 2788 keV 30 (1968Kr02), 2710 keV 30 (1966Wi08) and 2830 keV 30 (1959Po61). The uncertainty is enlarged by the evaluator.
		Γ: from weighted average of 548 keV 40 (1968Kr02) and 0.71 MeV 6 (1966Wi08).
4.9×10^3 2	1.5 MeV 3	E(level): Γ: from (1986Ar14).
11.62×10^3 10	0.7 MeV 1	E(level): Γ: from (1963Fi14).