

$^{10}\text{B}(\text{}^3\text{He},\text{d})$ 1961Hi08

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

1961Hi08: ^{11}C ; measured not abstracted; deduced nuclear properties.
 1967Ha20: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=6 to 18 MeV, measured thick target yields. Deduced $\sigma(E)$.
 1970Bo07: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=8, 10, 11 MeV, measured $\sigma(\theta)$. Deduced emission of singlet deuterons.
 1970Br23: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=3.7 MeV, measured $\sigma(E_d,\theta)$. ^{11}C deduced levels.
 1970Fo05,1971Co07: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=21 MeV, measured $\sigma(E_d,\theta)$. ^{11}C deduced levels, Lp, J, π , S.
 1971Co07: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=21 MeV; measured $\sigma(E_d,\theta)$. ^{11}C deduced levels, L(p), J, π , S.
 1972Be56: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=30-36 MeV, measured $\sigma(E,E_d)$.
 1973Fo02: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=18 MeV, measured $\sigma(\theta)$. ^{11}C levels deduced J, π , Γ -level, S.
 1976Ga27: $^{10}\text{B}(\text{}^3\text{He},\text{d})$ E=1.5-4.6 MeV, measured $\sigma(E)$.
 See (1990Aj01) and (1971Co07) for spectroscopic factors.

 ^{11}C Levels

E(level)	J^π	$T_{1/2}$	L	Comments
0	$3/2^-$		1	
2000.6 9	$1/2^-$		(1)	E(level): from (1970Br23), also see 2002 keV 10 (1961Hi08).
4332 10	$5/2^-$		1	E(level): from (1961Hi08).
4808 10	$3/2^-$		1	E(level): from (1961Hi08).
6345 10	$1/2^+$		2	E(level): from (1961Hi08).
6476 10	$7/2^-$		1	E(level): from (1961Hi08).
6903 10	$5/2^+$			E(level): from (1961Hi08).
7498 10	$3/2^+$		2	E(level): from (1961Hi08).
8107 10	$3/2^-$		1	E(level): from (1961Hi08).
				J^π : from (1970Fo05), with $^{12}\text{C}(\text{}^3\text{He},\alpha)$.
8424	$5/2^-$		1	
8655	$7/2^+$	<9 keV	(0,2)	Γ : J^π, L : from (1973Fo02).
8699	$5/2^+$	15 keV I	(0,2)	Γ : J^π, L : from (1973Fo02).
10.08×10^3				observed In (1971Co07).
10.68×10^3		200 keV	(0,2)	observed In (1971Co07).