

$^{10}\text{B}(\text{t,p})$ 1964Mi04,1978Aj02

Type	Author	History	Citation	Literature Cutoff Date
Full Evaluation	J. H. Kelley, J. E. Purcell and C. G. Sheu		NP A968, 71 (2017)	1-Jan-2017

1964Mi04: $^{10}\text{B}(\text{t,p})$ $E_t=10$ MeV, deduced nuclear properties.

1969So02: $^{10}\text{B}(\text{t,p})$ E not given, measured $\sigma(\theta)$. Deduced reaction mechanism. ^{12}B deduced J, π , L.

1978Aj02: $^{10}\text{B}(\text{t,p})$ $E=23$ MeV, measured $\sigma(E_p, \theta)$. ^{12}B deduced levels, J, π , Γ .

1981Ci06: $^{10}\text{B}(\text{t,p})$ $E=0.9, 1.1$ MeV, measured $\sigma(\theta)$. Deduced reaction mechanisms. DWBA.

1985Ab10: $^{10}\text{B}(\text{t,p})$ $E=3-12$ MeV, measured $\sigma(E)$.

 ^{12}B Levels

E(level)	J $^{\pi}$	Γ	L	Comments
0	(1,2,4,5) ⁺		2	
955 [†] 8	(1,2,4,5) ⁺		2	
1673 [†] 8	(2,3,4) ⁻		1	
2627 [†] 8	(0,1,5,6) ⁻		3	
2.72×10 ³ ? [‡]	(0,6,7) ⁺		4	
3393 [†] 8				
3754 [†] 8	(1,2,4,5) ⁺	42 [†] keV 5	2	
4297 [†] 8		<15 [†] keV		
4514 [†] 8		95 [†] keV 15		
5.00×10 ³ [†]		130 [†] keV 40		
5612 [†] 8		120 [†] keV 20		
5724 [†] 8		70 [†] keV 20		
7.55×10 ³ ? [‡]				
8.16×10 ³ ? [‡] 3				
8.38×10 ³ ? [‡]				
8.58×10 ³ ? [‡]				
9.07×10 ³ ? [‡] 3		95 [‡] keV 20		
9.44×10 ³ ? [‡] 3				
9626 [‡] 20		34 [‡] keV 10		
10227 [‡] 20		<25 [‡] keV		
10.61×10 ³ ? [‡] 3		<30 [‡] keV		
10.91×10 ³ ? [‡] 2		27 [‡] keV 10		
12.36×10 ³ ? [‡] 3				
13.4×10 ³ ? [‡] 1		[‡]		Γ : Broad.

[†] From (1964Mi04).

[‡] From (1978Aj02).