

Table 12.26 from (1975AJ02): Neutron groups from $^{10}\text{B}(^3\text{He}, \text{n})^{12}\text{N}$ ^a

E_x (MeV \pm keV)				L	$\Gamma_{\text{c.m.}}$ (keV)	
(1966ZA01)	(1968AD03, 1971ADZZ) ^b	(1970BO39)	(1974FU11)	(1974FU11)	(1966ZA01)	(1974FU11) ^h
g.s.	g.s.	g.s. ^c	g.s.	2	sharp	20 \pm 20
0.959 \pm 20	0.972 \pm 13		0.960 \pm 12	2	< 50	16 \pm 20
1.24 \pm 30	1.195 \pm 13		1.189 \pm 12	1	140 \pm 40	140 \pm 30
(1.72 \pm 0.08)	(1.75)					
2.4 \pm 100	(2.44)		(2.40 \pm 60)			
3.14 \pm 80			3.114 \pm 15	2	280 \pm 80	180 \pm 40
3.57 \pm 80			3.533 \pm 15	2	270 \pm 80	120 \pm 40
		4.3	4.250 \pm 30 ^f			290 \pm 70 ^f
		5.3 ^d	5.320 \pm 12	(0)		180 \pm 20
		6.4 ^e				
		6.9 ^e				
		7.7 ^e	7.629 \pm 20			200 \pm 40
			8.446 \pm 17			90 \pm 30
		9.2 ^e	9.035 \pm 12			16 \pm 20
			g			

^a See also Table 12.29 in (1968AJ02).

^b Values shown are from the unpublished report (1971ADZZ). (1968AD03) reported $E_x = 969 \pm 10, 1191 \pm 10$ keV.

^c $L = 2$.

^d $L = 0$ assignment is made by authors who suggest $J^\pi = 3^+$ for $^{12}\text{N}^*(5.3)$.

^e Reported to be involved in the sequential decay at $E(^3\text{He}) = 11$ MeV. These E_x are given to ± 50 keV.

^f May be due to unresolved states.

^g (1970CH1G; unpublished) also reports the excitation of states at $E_x = 9.6, 10.2, 11.0$ and 11.6 MeV.

^h T.G. Masterson, private communication.