

Table 13.20 from (1981AJ01):  
States of  $^{13}\text{N}$  from  $^{11}\text{B}(^3\text{He}, n)^{13}\text{N}$

$E_x^a$ (MeV $\pm$ keV)	$\Gamma_{\text{c.m.}}$ (keV)	$L^a$	$J^\pi^a$
0		2	$\frac{1}{2}^-$
$2.358 \pm 10$		1	$\frac{1}{2}^+$
$3.502 \pm 10$		0, 2	$\frac{3}{2}^-$
$3.55 \pm 18$			
$6.353 \pm 9$		1, 3	$\frac{5}{2}^+$
$6.875 \pm 10$		1, 3	$\frac{3}{2}^+$
$7.145 \pm 9$		3, 5	$\frac{7}{2}^+$
$7.363 \pm 8$		2, 4	$\frac{5}{2}^-$
$8.2 \pm 22$			
$8.918 \pm 11$			
$9.476 \pm 8$		0, 2	$\frac{3}{2}^-$
$10.381 \pm 8$		2, 4	$\frac{5}{2}^-$
$10.833 \pm 9$			
$11.530 \pm 12$			
$11.878 \pm 12$		0, 2	$\frac{3}{2}^-$
$12.558 \pm 23$	> 400		
$12.937 \pm 24$	> 400		
$15.068 \pm 8^{b,c}$	< 15		$\frac{3}{2}^-; T = \frac{3}{2}$
$18.44 \pm 40^b$			$T = \frac{3}{2}$
$18.98 \pm 20^b$	$40 \pm 20$		$T = \frac{3}{2}$

<sup>a</sup> (1971HS03) except for those states labeled <sup>b</sup>;  $E(^3\text{He}) = 4.7, 6.1$  and  $6.49$  MeV.

<sup>b</sup> (1969AD02):  $E(^3\text{He}) = 7.0$  to  $13.5$  MeV.

<sup>c</sup> See also Table 13.7.