

Table 16.7 from (1993TI07): States of ^{16}N from $^{13}\text{C}(\alpha, p)$ ^a

E_x (MeV)	Γ (keV)	J^π	E_x (MeV)	Γ (keV)	J^π
0.00		2^-	8.83	45 ± 30	
0.12		0^-	9.08 ^b	195 ± 30	
0.30		3^-	9.35 ^b	90 ± 30	
0.40		1^-	9.49 ^c	70 ± 30	
3.36			9.70 ^d	≤ 30	
3.52			9.81 ^d	90 ± 30	
3.96	≤ 20		10.07	35 ± 20	
4.40	110 ± 30		10.40		
4.77 ^b	170 ± 30		10.80		
5.05 ^b			11.21 ^d	≤ 30	(6^-)
5.14 ^{b, d}			11.66	170 ± 40	
5.23 ^b			11.81 ^d	≤ 20	(7^-)
5.73 ^d	< 20	doublet $4^-, 5^+$	12.27 ^b	≈ 100	
6.17	< 20	4^-	12.46 ^{b, d}	90 ± 30	
6.44	260 ± 50		12.61	100 ± 30	
6.60 ^c	< 20		12.95	170 ± 30	
6.82 ^b	< 20		13.35	60 ± 30	
7.57 ^b	< 20		13.65 ^c	45 ± 30	
7.64 ^b	< 20		14.41 ^a	≈ 100	
7.68 ^b	< 20	unresolved $4^-, 5^-$ $4^-, 5^-$			

^a (1986AN30) $E_d = 118$ MeV; DWBA analysis.

^b Data available at less than four angles.

^c Angular distributions over limited angular range.

^d State is observed strongly in $^{13}\text{C}(^6\text{Li}, ^3\text{He})^{16}\text{N}$ (1977MA1B).