

Table 16.6 from (1977AJ02): States in  $^{16}\text{N}$  from  $^{14}\text{N}(t, p)^{16}\text{N}$

(1961SI04)		(1966HE10)		$L^a$	$J^\pi^a$
$E_x$ (MeV $\pm$ keV)	$\Gamma$ (keV)	$E_x$ (MeV $\pm$ keV)	$\Gamma$ (keV)		
0		0		3	$2^-^b$
0.121 $\pm$ 10		0.120 $\pm$ 10		1	$0^-^b$
0.297 $\pm$ 10		0.300 $\pm$ 10		3	$3^-^b$
0.396 $\pm$ 10		0.399 $\pm$ 10		1	$1^-^b$
3.340 $\pm$ 25	$\leq 25 \pm 17$	3.359 $\pm$ 10	$15 \pm 5$	0	$1^+^b$
3.506 $\pm$ 25	$\leq 25 \pm 8$	3.519 $\pm$ 10	$\leq 7 \pm 4$	<sup>c</sup>	
3.956 $\pm$ 25	$\leq 25 \pm 8$	3.957 $\pm$ 10	$\leq 7 \pm 4$	2	$3^+^b$
4.318 $\pm$ 25	$\leq 25 \pm 8$	4.318 $\pm$ 10	$20 \pm 5$	0	$1^+^b$
4.392 $\pm$ 25	$110 \pm 31$	4.391 $\pm$ 10	$82 \pm 20$	1	$1^-^b$
		4.725 $\pm 10^d$	$290 \pm 30$	1	$1^-$
4.773 $\pm 25$	$66 \pm 7$	4.774 $\pm 10$	$59 \pm 8$	2	$2^-^b$
5.059 $\pm 25$	$\leq 25 \pm 8$	5.053 $\pm 10$	$19 \pm 6$	(1 + 3)	$2^-$
		5.130 $\pm 10$	$\leq 7 \pm 4$	<sup>c</sup>	
5.141 $\pm 25$	$38 \pm 12$				
		5.150 $\pm 10$	$\leq 7 \pm 4$		
5.230 $\pm 25$	$\leq 20 \pm 8$	5.226 $\pm 10$	$\leq 7 \pm 4$	2	(1, 2, 3) <sup>+</sup>
		5.305 $\pm 10^d$	$260 \pm 30$	<sup>c</sup>	
5.526 $\pm 25$	$\leq 20 \pm 8$	5.520 $\pm 10$	$\leq 7 \pm 4$	(1 + 3)	(2 <sup>-</sup> )
		5.730 $\pm 10$	$\leq 7 \pm 4$	4	$5^+^b$
		6.009 $\pm 10$	$270 \pm 30$	1	(1 <sup>-</sup> )
		6.167 $\pm 10$	$\leq 7 \pm 4$	3	(2, 3, 4) <sup>-</sup>
		6.371 $\pm 10$	$30 \pm 6$		
		6.422 $\pm 10$	$300 \pm 30$		
		6.512 $\pm 10$	$34 \pm 6$		
		6.613 $\pm 10$	$\leq 7 \pm 4$		
		6.854 $\pm 10$	$\leq 7 \pm 4$		
		7.006 $\pm 10$	$22 \pm 5$		
		7.133 $\pm 10$	$\leq 7 \pm 4$		
		7.250 $\pm 10$	$17 \pm 5$		
		7.573 $\pm 10$	$\leq 7 \pm 4$		

Table 16.6 from (1977AJ02): States in  $^{16}\text{N}$  from  $^{14}\text{N}(t, p)^{16}\text{N}$  (continued)

(1961SI04)		(1966HE10)		$L^a$	$J^\pi^a$
$E_x$ (MeV $\pm$ keV)	$\Gamma$ (keV)	$E_x$ (MeV $\pm$ keV)	$\Gamma$ (keV)		
		$7.640 \pm 10$	$\leq 7 \pm 4$		
		$7.675 \pm 10$	$\leq 7 \pm 4$		
		$7.876 \pm 10$	$100 \pm 15$		
		$8.043 \pm 10$	$85 \pm 15$		
		$8.183 \pm 10$	$28 \pm 8$		
		$8.280 \pm 10$	$24 \pm 8$		
		$8.361 \pm 10$	$18 \pm 8$		

<sup>a</sup> From reanalysis of data of (1966HE10): see (1975CR02).

<sup>b</sup> Identified with shell-model counterparts (1975CR02).

<sup>c</sup> Results are ambiguous (1975CR02).

<sup>d</sup> The errors listed here for the  $E_x$  to these two broad peaks are probably underestimates: I am indebted to Dr. H. Fuchs for his comments.