

Table 16.2 from (1971AJ02): Energy levels of  $^{16}\text{N}$

$E_x$ (MeV $\pm$ keV)	$J^\pi; T$	$\tau$ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
0	$2^-; 1$	$\tau_{1/2} = 7.13 \pm 0.02$ sec	$\beta^-$	1, 6, 11, 12, 13, 14, 15, 18, 21, 22, 23, 24, 28, 29, 30
0.1206 $\pm$ 0.5	$0^-$	$\tau_m = 7.58 \pm 0.09$ $\mu\text{sec}$	$\gamma$	4, 11, 13, 18, 24, 28, 30
0.2970 $\pm$ 0.7	$3^-$	95 $\pm$ 20 psec	$\gamma$	4, 11, 12, 13, 18, 24, 28, 29, 30
0.3973 $\pm$ 0.7	$1^-$	42 $\pm$ 10 psec	$\gamma$	4, 11, 13, 18, 24, 28, 30
3.355 $\pm$ 5	$1^+$	$\Gamma = 20 \pm 5$ keV	n	4, 11, 13, 15, 18, 27, 28
3.520 $\pm$ 5	$0^{(-)}$	$\leq 7 \pm 4$	n	4, 11, 13, 15, 18, 28
3.961 $\pm$ 5	$(2, 3)^+$	$\leq 7 \pm 4$	n	4, 11, 12, 13, 15, 18, 28
4.318 $\pm$ 5	$1^+$	20 $\pm$ 5	n	4, 11, 13, 15, 18, 28
4.389 $\pm$ 6	$1^-$	68 $\pm$ 9	n	4, 11, 13, 15, 28
4.720 $\pm$ 7	$1^-$	260 $\pm$ 25		13, 18
4.776 $\pm$ 5	$2^+$	61 $\pm$ 5	n	4, 11, 13, 15, 18, 28
4.97 $\pm$ 100	$2^-$	1050 $\pm$ 200	n	14
5.049 $\pm$ 5	$(1, 2)^-$	20 $\pm$ 7	n	11, 13, 15, 18, 28
5.129 $\pm$ 7		$\leq 7 \pm 4$	(n)	11, 13, 15, 18, 28
5.150 $\pm$ 7		$\leq 7 \pm 4$	(n)	11, 13, 15, 18
5.232 $\pm$ 5		$\leq 7 \pm 4$		11, 13, 18, 28
5.306 $\pm$ 7	$2^-$	270 $\pm$ 30	n	13, 15, 18
5.523 $\pm$ 6		$\leq 7 \pm 4$		4, 13, 18, 28
5.736 $\pm$ 6	$(5^+)$	$\leq 7 \pm 4$	(n)	4, 12, 13, 15, 18, 28
6.005 $\pm$ 9	$(3^-)$	270 $\pm$ 30	(n)	13, 15, 28
6.168 $\pm$ 6		$\leq 7 \pm 4$		13, 18, 28
6.373 $\pm$ 7	2	30 $\pm$ 6	n	13, 15, 18, 28
6.426 $\pm$ 7	$(2^-)$	300 $\pm$ 30	n	13, 15, 18
6.511 $\pm$ 6	2	34 $\pm$ 6	n	13, 15, 18
6.613 $\pm$ 6		$\leq 7 \pm 4$		13, 18
6.851 $\pm$ 6		$\leq 7 \pm 4$	(n)	13, 15, 18
6.98 $\pm$ 20	1	22 $\pm$ 5	n	13, 15, 28
7.03 $\pm$ 10	$(0)$	28 $\pm$ 20	n	15, 18, 28
7.135 $\pm$ 6		$\leq 7 \pm 4$		13, 18
7.248 $\pm$ 6	3	17 $\pm$ 5	n	13, 15, 18
7.575 $\pm$ 7	$\geq 4$	$\leq 7 \pm 4$	n	13, 15, 18
7.639 $\pm$ 7	$\geq 1$	$\leq 7 \pm 4$	n	4, 13, 15, 18, 28

Table 16.2 from (1971AJ02): Energy levels of  $^{16}\text{N}$  (continued)

$E_x$ (MeV $\pm$ keV)	$J^\pi; T$	$\tau$ or $\Gamma_{\text{c.m.}}$ (keV)	Decay	Reactions
$7.678 \pm 8$		$\leq 7 \pm 4$	n	4, 13, 15, 18
$7.857 \pm 8$	4, 5	$100 \pm 15$	n	13, 15, 18, 28
$8.038 \pm 9$	$\geq 2$	$70 \pm 20$	n	4, 13, 15, 28
$8.183 \pm 10$		$28 \pm 8$		4, 13, 28
$8.282 \pm 8$		$24 \pm 8$		13, 28
$8.365 \pm 8$		$18 \pm 8$		4, 13, 28
$8.49 \pm 30$		$\leq 50$		28
$8.819 \pm 15$		$\leq 50$		4, 28
$9.035 \pm 15$		$\leq 50$		28
( $9.16 \pm 30$ )		$\leq 50$		28
( $9.34 \pm 30$ )		$\leq 50$		28
$9.459 \pm 15$		$\leq 50$		4, 28
( $9.66 \pm 40$ )		$\leq 50$		28
$9.760 \pm 10$	$T = 1$	$15 \pm 8$		11, 28
$9.813 \pm 10$	$T = 1$			11
$9.928 \pm 7$	$0^+; 2$	$< 12$		11, 27, 28
$10.055 \pm 15$		$\leq 50$		28
( $10.17 \pm 30$ )		$\leq 50$		28
( $10.26 \pm 30$ )		$\leq 50$		28
11.61		220	n, d	7
$11.701 \pm 7$	$1^-, 2^+; 2$	$< 12$		11
(11.91)		390	n, d	7
12.25		290	n, p, d	7, 9
12.60		180	n, p, d	7, 9
12.88		155	n, p, d	7, 9
(12.97)		175	n, d	7