

Table 18.23 from (1978AJ03): States in ^{18}Ne from $^{16}\text{O}(^3\text{He}, n)^{18}\text{Ne}$ and $^{20}\text{Ne}(p, t)^{18}\text{Ne}$ ^a

(1968GI09, 1969RO08) ^b	E_x (MeV \pm keV)				$\Gamma_{\text{c.m.}}$ ^d (keV)	J^π ^e
	(1970AD02) ^b	(1974NE04) ^b	(1974NE04) ^c	(1972PA02) ^c		
0	0			0		0^+
1.8873 ± 0.2	1.89	$1.886 \pm 7^{\text{h}}$	1.886 ± 10	1.894 ± 10		2^+
3.3762 ± 0.4	3.375 ± 15	$3.374 \pm 7^{\text{h}}$	3.375 ± 10	3.390 ± 14		4^+
3.5763 ± 2.0	3.564 ± 20		3.580 ± 10			0^+
3.6164 ± 0.6	3.610 ± 15	$3.603 \pm 15^{\text{h}}$	3.612 ± 10	3.614 ± 13		2^+
	4.505 ± 15	$4.513 \pm 13^{\text{j}}$	4.522 ± 10		≤ 40	1^-
				4.576		
	4.571 ± 15	4.587 ± 13	4.592 ± 10		≤ 40	0^+
		5.075 ± 13	5.095 ± 15		≤ 60	$(2^+, 3^-)$
	$5.14 \pm 20^{\text{f}}$	$5.135 \pm 12^{\text{i}}$	5.149 ± 15	5.150 ± 14	≤ 50	$(2^+, 3^-)$
			5.453 ± 10		≤ 50	
		6.291 ± 30	$6.297 \pm 10^{\text{g}}$		180 ± 60	
				6.326 ± 18		(4^+)
			6.353 ± 10		≤ 60	
	$7.051 \pm 18^{\text{h}}$	7.062 ± 12			180 ± 50	2^+
		7.712 ± 20	7.713 ± 10		≤ 50	
	$7.903 \pm 15^{\text{h}}$	7.915 ± 12			≤ 50	
			7.949 ± 10	7.957 ± 25	≤ 60	
	$8.070 \pm 15^{\text{h}}$	8.100 ± 14			≤ 50	
		8.500 ± 30			≤ 120	
			9.198 ± 10	9.215 ± 20	≤ 50	

^a See also Tables 18.25 and 18.28 in (1972AJ02).

^b $^{16}\text{O}(^3\text{He}, n)^{18}\text{Ne}$.

^c $^{20}\text{Ne}(p, t)^{18}\text{Ne}$.

^d (1970AD02, 1974NE04).

^e (1972PA02, 1974NE04, 1977EV01). See also Table 18.28 in (1972AJ02).

^f No other narrow states observed with $E_x < 7.5$ MeV (1970AD02).

^g $\Gamma \leq 60$ keV.

^h (1977EV01).

ⁱ $J^\pi = 3^-$ assignment suggested by (1977EV01): $E_x = 5.130 \pm 10$.

^j 4.537 ± 10 (1977EV01).