

Table 17.14 from (1977AJ02):
States of ^{17}O from $^{16}\text{O}(\text{d}, \text{p})^{17}\text{O}$ and $^{19}\text{F}(\text{d}, \alpha)^{17}\text{O}$

E_x^a (MeV \pm keV)	$\Gamma_{\text{c.m.}}^a$ (keV)	E_x^b (MeV \pm keV)	E_x^c (MeV \pm keV)	S^d	J^π
0	< 8	0	0	≈ 0.9	$\frac{5}{2}^+$
0.871 ± 4^e	< 8	0.870 ± 20	0.883 ± 11	≈ 0.9	$\frac{1}{2}^+$
3.055 ± 4^e	< 8	3.060 ± 30	3.069 ± 10		$\frac{1}{2}^-$
3.846 ± 5^e	< 8	3.850 ± 30	3.856 ± 11		$\frac{5}{2}^-^g$
4.553 ± 6	40 ± 5	4.580 ± 20	4.567 ± 14	0.23	$\frac{3}{2}^-$
5.083 ± 10	95 ± 5	5.070 ± 20		1.25	$\frac{3}{2}^+$
5.215 ± 5	< 8		5.229 ± 13		$\frac{3}{2}^h$
5.378 ± 7	28 ± 7	5.310 ± 20	5.397 ± 14		$\frac{3}{2}^-$
5.695 ± 5^f	< 8			≈ 0.15	$\frac{7}{2}^-$
5.731 ± 5^f	< 8	5.760 ± 20	5.723 ± 14		
5.866 ± 5	< 8		5.875 ± 15		
5.940 ± 15	23 ± 10		5.957 ± 15		
		6.240 ± 20			
		6.890 ± 30	6.869 ± 14		
			(6.986 ± 15)		
			(7.371 ± 15)		
		7.510 ± 30			
		8.270 ± 40			
		(8.590 ± 40)			
		9.060 ± 40			

a $^{16}\text{O}(\text{d}, \text{p})^{17}\text{O}$ (1957BR82).

b $^{16}\text{O}(\text{d}, \text{p})^{17}\text{O}$ and $^{19}\text{F}(\text{d}, \alpha)^{17}\text{O}$ (1951BU1A).

c $^{19}\text{F}(\text{d}, \alpha)^{17}\text{O}$ (1952WA1A).

d (1973DA17, 1974CO04) [$^{16}\text{O}(\text{d}, \text{p})^{17}\text{O}$].

e (1965GA1A) report $E_x = 873 \pm 5, 3056 \pm 4$ and 3838 ± 4 keV.

f ΔE_x between $^{17}\text{O}^*(5.73, 5.70) = 34 \pm 2$ keV (1968BI09).

g (1965CO07, 1965CO09).

h (1968BI09).