

Table 17.5 from (1959AJ76): 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)	l_n^b	J^π^b	$\frac{\Lambda^c}{2J+1}$	E_x^d (MeV \pm keV)	E_x^e (MeV \pm keV)
0	< 8	2	$\frac{5}{2}^+$	72	0	0
0.871 ± 4	< 8	0	$\frac{1}{2}^+$	68	0.870 ± 20	0.883 ± 11
3.055 ± 4	< 8	iso.	$(\frac{1}{2}^-)$		3.060 ± 30	3.069 ± 10
3.846 ± 5	< 8	3	$(\frac{7}{2}^-)$	15	3.850 ± 30	3.856 ± 11
4.553 ± 6	40 ± 5	1	$\frac{3}{2}^-$	2.2	4.580 ± 20	4.567 ± 14
5.083 ± 10	95 ± 5	2	$\frac{3}{2}^+$	25	5.070 ± 20	
5.215 ± 5	< 8					5.229 ± 13
5.378 ± 7	28 ± 7				5.310 ± 20	5.397 ± 14
5.695 ± 5	< 8					
5.731 ± 5	< 8				5.760 ± 20	5.723 ± 14
5.866 ± 5	< 8					5.875 ± 15
5.940 ± 15	23 ± 10					5.947 ± 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); $E_d = 6.5$ to 7.5 MeV. No other proton groups appear with intensities greater than 0.1 of 4.55 MeV group.

^b $^{16}\text{O}(\text{d}, \text{p})^{17}\text{O}$: (1956GR37); $E_d = 9$ MeV.

^c (1956GR37); relative capture probabilities.

^d $^{16}\text{O}(\text{d}, \text{p})^{17}\text{O}$ and $^{19}\text{F}(\text{d}, \alpha)^{17}\text{O}$: (1951BU1A); $E_d = 7.9$ MeV.

^e $^{19}\text{F}(\text{d}, \alpha)^{17}\text{O}$: (1952WA1A); $E_d = 1.8$ MeV.