

Table 17.20 from (1993TI07): States of ^{17}O from $^{18}\text{O}(\text{d}, \text{t})$ ^a

E_x^b (MeV)	$J^\pi; T^b$	l	C^2S
0	$\frac{5}{2}^+; \frac{1}{2}$	2	1.53
0.87	$\frac{1}{2}^+; \frac{1}{2}$	0	0.21
3.06	$\frac{1}{2}^-; \frac{1}{2}$	1	1.08
3.84	$\frac{5}{2}^-; \frac{1}{2}$	> 2	
4.55	$\frac{3}{2}^-; \frac{1}{2}$	1	0.12
5.09	$\frac{3}{2}^+; \frac{1}{2}$	2	0.10
5.38	$\frac{3}{2}^-; \frac{1}{2}$	1	0.53
5.70	$\frac{7}{2}^-; \frac{1}{2}$		
5.94	$\frac{1}{2}^-; \frac{1}{2}$	1	0.06
6.86		$\neq 1$	
7.38 ^c	$\frac{5}{2}^+; \frac{5}{2}^-$	$\neq 2$	
8.20	$\frac{3}{2}^-; \frac{1}{2}$	1	0.15
8.47	$\frac{7}{2}^+; \frac{1}{2}$		
8.69	$\frac{3}{2}^-; \frac{1}{2}$	1	0.10
9.15	$\frac{1}{2}^-; \frac{1}{2}$	1	0.10
9.49	$\frac{5}{2}^-; \frac{1}{2}$		
11.08	$\frac{1}{2}^-; \frac{3}{2}$	1	0.96
11.41 ± 0.01 ^a	$T = \frac{1}{2}$ ^a	(1)	0.04
12.12 ± 0.01 ^a	$T = \frac{1}{2}$ ^a	(1)	0.24
12.47	$\frac{3}{2}^-; \frac{3}{2}$ ^d	1	0.24
12.76 ± 0.01 ^a	$T = \frac{1}{2}$ ^a	(1)	0.17
12.94	$\frac{1}{2}^+; \frac{3}{2}$ ^d	0	0.19 ± 0.05
13.64	$\frac{5}{2}^+; \frac{3}{2}$ ^d	2	0.29 ± 0.12
16.58 ± 0.01 ^a	$\frac{3}{2}^-; \frac{3}{2}$ ^d	1	0.93
18.14 ± 0.01 ^a	$\frac{3}{2}^-; \frac{3}{2}$ ^d	1	0.17

^a (1977MA10): $E_d = 52$ MeV; DWBA analysis. See also Table 17.16 in (1982AJ01). Comparisons of the (d, t) and (d, ^3He) reactions to analog states of ^{17}N and ^{17}O have been made by (1977MA10).

^b From Table 17.10, unless footnote is shown.

^c Unresolved.

^d See also (1981MA14).