

Table 17.18 from (1993TI07): Transition properties and ground state relative widths from $^{17}\text{O}(e, e)^a$

E_x (MeV)	J^π	Mtpl.	Γ (keV)	$B(E\lambda \uparrow)$ ($e^2 \cdot \text{fm}^{2\lambda}$)	Mtpl. ^b	$\Gamma_{\gamma_0} (M\lambda)$ ^b (eV)	$B(M\lambda \uparrow)$ ^b ($e^2 \cdot \text{fm}^{2\lambda}$)
0.87	$\frac{1}{2}^+$	E2		2.18 ± 0.16			
3.06	$\frac{1}{2}^-$	E3		14.1 ± 3.9			
3.84	$\frac{3}{2}^-$	E3		93.0 ± 8.3	M2	$(4.6 \pm 1.8) \times 10^{-3}$	$(5 \pm 2) \times 10^{-2}$
4.55	$\frac{3}{2}^-$	E3		20 ± 12	M2	$(1.8 \pm 0.7) \times 10^{-2}$	$(5.4 \pm 2.1) \times 10^{-2}$
5.09	$\frac{3}{2}^+$	E2		2.05 ± 0.20			
5.22	$\frac{3}{2}^-$	E3		319 ± 13	M2	$< 1 \times 10^{-2}$	$< 4 \times 10^{-2}$
5.38	$\frac{3}{2}^-$	E3		47.9 ± 4.3	M2	$(4.5 \pm 2.2) \times 10^{-2}$	$(6 \pm 3) \times 10^{-2}$
5.70	$\frac{3}{2}^-$	E3		97.0 ± 6.5	M2	0.15 ± 0.10	0.3 ± 0.2
5.73	$(\frac{3}{2}^-)$	E3		134 ± 21			
5.87	$\frac{3}{2}^+$	E2		2.13 ± 0.22			
5.94	$\frac{3}{2}^-$	E3		25.3 ± 5.1			
6.36	$\frac{3}{2}^+$	E2		1.43 ± 0.21			
6.86	$\frac{3}{2}^+$	E2		0.83 ± 0.25			
6.97	$(\frac{3}{2}^-)$	E3		75.5 ± 5.6			
7.17	$\frac{3}{2}^-$	E3		11.1 ± 2.9			
7.20	$\frac{3}{2}^+$	E2		1.79 ± 0.25			
7.38	$\frac{3}{2}^+$	E2		< 0.8			
7.38	$\frac{3}{2}^-$	E3		36.9 ± 2.4			
7.56	$\frac{3}{2}^-$	E3		< 15			
7.58	$\frac{3}{2}^+$	E2		4.20 ± 0.51			
7.69	$\frac{3}{2}^-$	E3		33.9 ± 4.9			
7.76	$\frac{3}{2}^-$	E3		287 ± 14			
7.96	$\frac{3}{2}^+$	E2		2.00 ± 0.38			
8.20	$\frac{3}{2}^-$	E3		11.0 ± 1.3			
8.34	$\frac{3}{2}^+$	E2		0.48 ± 0.07			
8.40	$\frac{3}{2}^+$	E2		2.10 ± 0.34			
8.47	$\frac{3}{2}^+$	E2		10.05 ± 1.19			
8.50	$\frac{3}{2}^-$	E3		< 7			
8.69	$\frac{3}{2}^-$	E3		5.2 ± 1.2			
8.90	$(\frac{3}{2}^-)$	E3		13.3 ± 2.3			
8.97	$\frac{3}{2}^-$	E3		36.3 ± 4.1			
9.15	$(\frac{1}{2}^-, \frac{3}{2}^-)$	E3		< 2.3			
9.18	$\frac{3}{2}^-$	E3		2.4 ± 1.0			
9.19	$\frac{3}{2}^+$	E2		0.48 ± 0.16			
9.42	$\frac{3}{2}^-$	E3		17.6 ± 4.8			
9.49	$\frac{3}{2}^-$	E3		6.5 ± 1.0			
9.71	$\frac{3}{2}^+$						

Table 17.18 from (1993TI07): Transition properties and ground state relative widths from $^{17}\text{O}(e, e)$ ^a (continued)

E_x (MeV)	J^π	Mtpl.	Γ (keV)	$B(E\lambda \uparrow)$ ($e^2 \cdot \text{fm}^{2\lambda}$)	Mtpl. ^b	$\Gamma_{\gamma_0} (M\lambda)$ ^b (eV)	$B(M\lambda \uparrow)$ ^b ($e^2 \cdot \text{fm}^{2\lambda}$)
9.86 ^c	$(\frac{5}{2}^-)$						
9.88 ^c	$(\frac{1}{2}^-)$						
11.04 ^d							
11.08 ^d	$\frac{1}{2}^-$				M2		$(6.7 \pm 2.1) \times 10^{-2}$
12.22							
12.47	$\frac{3}{2}^-$				M2		$(7 \pm 3) \times 10^{-2}$
12.94 ^e	$\frac{1}{2}^+$						
13.00 ^e	$\frac{5}{2}^-$				M2		$(7 \pm 3) \times 10^{-2}$
13.58	$(\frac{11}{2}^-)$		68 ± 19				
14.23	$\frac{7}{2}^-$				M2		$(51 \pm 8) \times 10^{-2}$
14.45							
14.72	$\frac{9}{2}^-$				M2		$(30 \pm 10) \times 10^{-2}$
15.78 ± 0.02 ^f			< 30		M4		177 ± 17
16.50 ± 0.02 ^{f, g}			≤ 20				
17.06 ± 0.02 ^f			< 20		M4		76 ± 6
17.92 ± 0.02 ^f			98 ± 16				
18.72 ± 0.02 ^f			87 ± 33				
18.83 ± 0.02 ^{f, g}			≤ 20				
19.85 ± 0.04 ^f			530 ± 150				
20.14 ± 0.02 ^f			31 ± 5		M4		349 ± 18
20.70 ± 0.02 ^f			< 20		M4		177 ± 10

^a (1987MA52) except where footnote is shown. See also Table 17.19 and see Tables 17.13, 17.14 in (1986AJ04) for earlier work.

^b These data are from (1978KI01) for the levels at $E_x = 3.84 - 5.70$ MeV, from (1983RA27) for $E_x = 11.08 - 14.72$ MeV, and from (1986MA48) for levels at $E_x = 15.78 - 20.20$ MeV. See also Table 17.13 in (1986AJ04).

^c Unresolved doublet.

^d Unresolved doublet.

^e Unresolved doublet.

^f (1986MA48).

^g Weakly excited.