Table 16.22 from (1982AJ01): Excited states observed in ^{16}O(e, e′)^{16}O [a]

E_x (MeV ± keV)	J^π; T	Mult.	Γ (keV)	Γ_{γ_0} (eV)
6.05	0^+	E0		3.55 ± 0.21 [b]
6.13	3^-	E3		$(2.60 \pm 0.13) \times 10^{-5}$
6.92	2^+	E2		0.130 ± 0.009
				0.100 ± 0.004
7.12 [c]	1^-	E1		$(4.6 \pm 2.3) \times 10^{-2}$
9.85	2^+	E2		$(8.8 \pm 1.7) \times 10^{-3}$
10.35	4^+	E4		$(5.6 \pm 2.0) \times 10^{-8}$
11.52	2^+	E2		0.61 ± 0.02
12.05	0^+	E0		4.03 ± 0.09 [b]
12.53	2^-	M2		0.021 ± 0.006
				0.108 ± 0.015
12.97	2^-	M2		0.071 ± 0.002
13.0	2^+	E2		0.89
13.10 ± 250	1^-; 1	E1		$\leq 49 \pm 13$
14.00 ± 50	0^+	E0	170 ± 50	3.3 ± 0.7 [b]
15.15 ± 150	2^+	E2	500 ± 200	1.0 ± 0.5
16.21 ± 30	1^+	M1	18 ± 3	5.1 ± 0.8
16.46 ± 70	2^+	E2	35 ± 5	0.5 ± 0.2
16.80 ± 100	(3^+)		≤ 100	$(1.7 \pm 1.9) \times 10^{-3}$
17.14	1^-; 1	E1	40 ± 6	62 ± 12
17.60 ± 100 [d]	(2^-)		≤ 100	0.07 ± 0.04
18.50 ± 100	2^+	E2	60 ± 9	
19.00 ± 100	1^-; 1	E1	300 ± 100	41 ± 20
19.04 ± 50	2^-; 1	M2	400 ± 50, 850 ± 150	1.5 ± 0.3
19.50 ± 100	1^-; 1	E1	200 ± 70	40 ± 20
20.36 ± 70	2^-	M2	500 ± 100	2.9 ± 1.0
20.95 ± 50	1^-; 1	E1	270 ± 70	180 ± 50
21.34 ± 250	(2^-)	(M2)		
22.3				
23.0				

Table 16.22 from (1982AJ01): Excited states observed in ^{16}O(e, e′)^{16}O [a] (continued)

E_x (MeV ± keV)	$J^\pi; T$	Mult.	Γ (keV)	Γ_{γ_0} (eV)
23.7 ± 250	$(2^-; 1)$			
24.2				
25.5 ± 250	$1^-; 1$	E1		
26.7 ± 250	1^+	M1		
44.5	$(1^-; 1)$		$2000 - 3000$	5300
49	$(1^-; 1)$		$2000 - 3000$	19000

[a] See also Table 16.26 in (1971AJ02). For references see Table 16.24 in (1977AJ02).

[b] Monopole matrix element in fm^2.

[c] See also text and (1975MI13).

[d] Measurements are also reported to ^{16}O*(17.79, 18.6, 18.98, 19.8) with $J^\pi = 4^-$ (1981HYZZ; prelim.).