

Table 16.26 from (1971AJ02): Excited states observed in $^{16}\text{O}(e, e')^{16}\text{O}^*$

E_x^a (MeV \pm keV)	$J^\pi; T$	Mult.	Γ (keV)	Γ_{γ_0} (eV)	Refs.
6.05	0^+	E0		3.66 ± 0.55^b	(1968ST31)
6.13	3^-	E3		$(2.3 \pm 1.1) \times 10^{-5}$	(1968ST31)
6.92	2^+	E2		0.093 ± 0.010	(1968ST04, 1968ST31)
				0.100 ± 0.015	(1967AR1A)
9.85	2^+	E2		0.010 ± 0.004	(1968ST04, 1968ST31)
11.0 ± 250	2^+	E2		< 0.1	(1966ST13)
				2.7	(1966VA02)
11.52	2^+	E2		0.55 ± 0.07	(1968ST04, 1968ST31)
				0.52 ± 0.13	(1967AR1A)
				0.85 ± 0.09	(1970KI02)
12.0 ± 250	2^+	E2		1.0 ± 0.3	(1966VA02)
12.05	0^+	E0		4.40 ± 0.44^b	(1968ST04, 1968ST31, 1970KI02)
12.53	2^-	M2		0.021 ± 0.006	(1968ST31)
				0.108 ± 0.015	(1970KI02)
12.97	2^-	M2		0.078 ± 0.016	(1968ST31)
				0.071 ± 0.002	(1970KI02)
13.0	2^+	E2		≈ 0.13	(1968ST04, 1968ST31)
				0.89	(1970KI02)
13.10 ± 250	$1^-; 1$	E1		31 ± 8	(1966VA02, 1968ST31)
				48.5 ± 12.8	(1970KI02)
14.00 ± 50	0^+	E0	170 ± 50	3.3 ± 0.7^a	(1969ST06, 1970ST06)
15.15 ± 150	2^+	E2	500 ± 200	1.0 ± 0.5	(1970ST06)
16.21 ± 30	1^+	M1		5.1 ± 0.8	(1970ST06)
16.46 ± 70	2^+	E2	≤ 100	0.5 ± 0.2	(1970ST06)
16.80 ± 100	(3^+)		≤ 100	$(1.7 \pm 1.9) \times 10^{-3}$	(1970ST06)
17.20 ^c	$1^-; 1$	E1		62 ± 12	(1966VA02, 1970ST06)
17.60 ± 100	(2^-)		≤ 100	0.07 ± 0.04	(1970ST06)
18.50 ± 100	(2)				(1970ST06)
19.00 ± 100	$1^-; 1$	E1	300 ± 100	41 ± 20	(1965VA09, 1970ST06)
19.04 ± 50	$2^-; 1^d$	M2	400 ± 50	1.5 ± 0.3	(1970GO03, 1970ST06)
			850 ± 150		(1967DR05, 1968DR01)
19.50 ± 100	$1^-; 1$	E1	200 ± 70	40 ± 20	(1970ST06)
20.36 ± 70	2^-	M2	500 ± 100	2.9 ± 1.0	(1965VA09, 1968DR01, 1969SI10, 1970GO03, 1970ST06)
20.95 ± 50	$1^-; 1$	E1	270 ± 70	180 ± 50	(1970ST06)
21.34 ± 250	(2^-)	(M2)			(1965DE1C, 1965VA09)
22.0 ± 250	1^+	M1			(1965VA09)

Table 16.26 from (1971AJ02): Excited states observed in $^{16}\text{O}(e, e')^{16}\text{O}^*$ (continued)

E_x^a (MeV \pm keV)	$J^\pi; T$	Mult.	Γ (keV)	Γ_{γ_0} (eV)	Refs.
22.8 \pm 250	1 ⁻ ; 1	E1			(1963IS02, 1965VA09)
23.7 \pm 250	(2 ⁻ ; 1)				(1965VA09, 1970GO03)
24.4 \pm 250	2 ⁺	E2			(1963IS02, 1965VA09, 1970GO03)
25.5 \pm 250	1 ⁻ ; 1	E1			(1963IS02, 1965VA09)
26.7 \pm 250	1 ⁺	M1			(1965VA09)
44.5	(1 ⁻ ; 1)		2000 – 3000	5300	(1961IS06, 1962BI19)
49	(1 ⁻ ; 1)		2000 – 3000	19000	(1961IS06, 1962BI19)

^a See also (1962ED02, 1963BA19, 1963BI23, 1964BI08, 1964GO14, 1965BI1D, 1966CR07, 1966ST13, 1970MA1C).

^b Monopole matrix element in fm².

^c Unresolved doublet.

^d See, however, (1969SI10).