

Table 18.1 from (1972AJ02): Energy levels of ^{18}O ^a

E_x (MeV \pm keV)	$J^\pi; T$	τ_m (psec) or $\Gamma_{c.m.}$ (keV)	Decay	Reactions
0	$0^+; 1$	stable		2, 3, 4, 7, 10, 15, 16, 17, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 34, 36
1.9821 ± 0.8	2^+	$\tau_m = 3.8 \pm 0.6$	γ	2, 3, 4, 7, 10, 15, 17, 19, 20, 21, 22, 25, 32, 34, 35
3.5529 ± 2.1	4^+	> 3	γ	3, 4, 7, 10, 15, 22, 25, 34, 35
3.6317 ± 2.0	0^+	3 ± 1	γ	2, 3, 4, 7, 10, 15, 17, 21, 22, 25, 34, 35
3.9191 ± 2.0	2^+	0.18 ± 0.06	γ	2, 3, 4, 7, 10, 15, 21, 22, 25, 34, 35
4.4488 ± 3.5	1^-	$0.11^{+0.08}_{-0.06}$	γ	2, 7, 10, 15, 17, 19, 21, 22, 25, 34, 35
5.090 ± 5	3^-		γ	7, 10, 15, 21, 22, 25, 35
5.250 ± 6	2^+		γ	4, 7, 10, 15, 21, 25, 34, 35
5.329 ± 7	0^+		γ	10, 15, 21, 22, 25, 34, 35
5.372 ± 7	3^+		γ	10, 15, 21, 22, 25, 35
5.517 ± 9	2^-		γ	10, 15, 19, 21, 25, 35
6.191 ± 9	1^-		γ	10, 15, 25, 34, 35
6.341 ± 10			(γ)	10, 15, 25, 34, 35
6.391 ± 10	3^-		γ	10, 25, 35
6.86 ± 20	(0^-)		γ	25, 35
7.114 ± 2	4^+		γ, α	4, 7, 15, 25, 34, 35
7.620 ± 2	1^-	$\Gamma < 2.5 \text{ keV}$	γ, α	4, 25, 34, 35
7.75 ± 20			γ	35
7.848 ± 14				7, 15, 25, 34, 35
7.961 ± 14	$(3^+, 4^-)$		γ	15, 25, 35
8.039 ± 2	1^-	< 2.5	γ, α	4, 25, 35
8.122 ± 10	5^-		γ, α	4, 7, 25, 35
8.213 ± 4	2^+	1.0 ± 0.8	γ, n, α	4, 5, 6, 25, 35
8.283 ± 3	3^-	8 ± 1	n, α	5, 6, 7, 25, 35

Table 18.1 from (1972AJ02): Energy levels of ^{18}O ^a (continued)

E_x (MeV \pm keV)	$J^\pi; T$	τ_m (psec) or $\Gamma_{c.m.}$ (keV)	Decay	Reactions
8.403 \pm 7		8 \pm 6	n, α	5, 35
8.480 \pm 20				25, 35
8.640 \pm 20				25, 35
8.817 \pm 12		70 \pm 12	n, α	5, 6, 25
8.955 \pm 4		43 \pm 3	n, α	5, 6, 25
9.03			n, α	6, 25
9.10			n, α	6, 25
9.361 \pm 15		27 \pm 15	n, α	5, 6, 7, 25
9.39 \pm 40		\approx 120	n, α	5, 6, 7, 25
9.47 \pm 40		\approx 65	n, α	5, 6
9.675 \pm 10		60 \pm 30	n, α	5, 6, 25, 34
9.72 \pm 30			(n, α)	5, 25
9.88 \pm 40		\approx 150	n, α	5, 6, 25, 34
10.119 \pm 10	3 ⁻	16 \pm 4	n, α	5, 6, 25
10.29 \pm 20	4 ⁺		n, α	5, 6, 7, 25
10.38 \pm 20	3 ⁻		n, α	5, 6, 25
10.58 \pm 20			n, α	5, 6
10.82 \pm 20			n, α	5, 6
10.91 \pm 20			n, α	5, 6, 7
10.99 \pm 20			n, α	5, 6
11.14 \pm 20	(0, 1, 2) ⁻		n, α	5, 6, 7, 34
11.39 \pm 20	(2 ⁺)		n, α	5, 6
11.41 \pm 20	(4 ⁺)		n, α	5, 6
11.62 \pm 20	5 ⁻		n, α	5, 6, 7, 25
11.69 \pm 20	6 ⁺		n, α	5, 6, 7, 25, 34
11.82 \pm 20	(3 ⁻)		n, α	5, 6, 34
12.04 \pm 20	(2 ⁺)		n, α	5, 6
12.25 \pm 20	1 ⁻		n, α	5, 6, 34
12.33 \pm 20	5 ⁻		n, α	5, 6, 7
12.49 \pm 20	4 ⁺		n, α	5, 6

Table 18.1 from (1972AJ02): Energy levels of ^{18}O ^a (continued)

E_x (MeV \pm keV)	$J^\pi; T$	τ_m (psec) or $\Gamma_{c.m.}$ (keV)	Decay	Reactions
12.53 \pm 20	6 ⁺		n, α	5, 6, 7
14.05 \pm 140				19, 34
14.56 \pm 100				34
15.1 \pm 200			γ , n	19
15.95 \pm 200				19
18.4 \pm 200				19
20.2 \pm 200				19
21.9 \pm 200				19
23.7 \pm 200				19
25.2 \pm 200				19
26.9 \pm 200				19

^a See also Tables 18.2 and 18.3.