

Table 17.2 from (1959AJ76): Energy levels of ^{17}O

E_x in ^{17}O (MeV \pm keV)	J^π	τ_m or Γ (keV)	Decay	Reactions
0	$\frac{5}{2}^+$		stable	2, 3, 17, 21, 22, 23, 28, 29
0.871 \pm 4	$\frac{1}{2}^+$	$\tau_m = (2.5 \pm 1) \times 10^{-10}$ sec	γ	3, 17, 28, 29
3.058 \pm 6	$(\frac{1}{2}^-)$		γ	17, 28
3.846 \pm 5	$(\frac{7}{2}^-)$		γ	17, 28
4.555 \pm 5	$\frac{3}{2}^-$	$\Gamma = 40 \pm 3$	n	11, 17, 28
5.083 \pm 5	$\frac{3}{2}^+$	90 \pm 5	n	11, 17, 28
5.217 \pm 5		< 8		17, 28
5.378 \pm 7	$\frac{3}{2}^-$	31 \pm 4	n	11, 17, 28
5.697 \pm 4	$\frac{7}{2}^-$	≤ 7	n	11, 17
5.729 \pm 5		< 8		17, 28
5.866 \pm 5	$\geq \frac{3}{2}$	≤ 8	n	11, 17, 28
5.940 \pm 10	$\frac{1}{2}^-$	26 \pm 5	n	11, 17, 28
6.24 \pm 20				17, 28
6.38 \pm 30	$\frac{1}{2}^+$	130	n	11
6.87 \pm 20				17, 28
(6.99 \pm 20)				28
7.161 \pm 6	$\frac{5}{2}$	2.7 \pm 1	n, α	1
7.28 \pm 30	$\frac{3}{2}^+$	210	n	11
7.373 \pm 6	$\frac{5}{2}$	≤ 2	n, α	1, 28
7.560 \pm 10	$\geq \frac{7}{2}$	≤ 4	n, α	1, 17, 28
7.676 \pm 7	$\geq \frac{5}{2}$	22	n, α	1
(7.72 \pm 80)	$(\frac{3}{2}^-)$	750	n	11
7.94 \pm 20	$\frac{1}{2}$	90	n, α	1, 16
8.07 \pm 20	$\frac{3}{2}$	75	n, α	1, 11, 16
8.20 \pm 20	$\frac{3}{2}$	60	n, α	1, 11, 16
8.27 \pm 40				28
8.340 \pm 7	$\frac{1}{2}$	≤ 5	n, α	1, 11, 16, 28
8.390 \pm 7	$\frac{5}{2}$	8	n, α	1, 11, 16
8.460 \pm 7	$\frac{7}{2}$	9	n, α	1, 11, 16
8.493 \pm 7	$(\frac{3}{2})$	≤ 6	n, α	1, 11, 16

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E_x in ^{17}O (MeV \pm keV)	J^π	τ_m or Γ (keV)	Decay	Reactions
(8.59 \pm 40)				28
8.70 \pm 20	$\frac{3}{2}$	70	n, α	1, 11, 16
8.89 \pm 20	$\frac{3}{2}$	110	n, α	1, 11, 16
8.96 \pm 20	$\frac{7}{2}$	30	n, α	1, 11, 16
9.06 \pm 40				28
9.15 \pm 20		≤ 6	n, α	1, 11
9.20	$\frac{5}{2}$	≤ 4	n, α	1
9.50	$\frac{7}{2}$	11	n, α	1, 11
9.73	$\frac{7}{2}$	19	n, α	1, 11
9.78		55	n, α	1
9.89	$\frac{9}{2}$	12	n, α	1
9.98	$(\frac{5}{2}, \frac{7}{2})$	150	n, α	1
10.21		50	n, α	1, 11
10.5			n	11, 12
10.9			n	11, 12
11.5			n	11, 12
12.1			n	11, 12
15.2			d, p	5
15.8			d, p	5