Energy Levels of ^{17}O from ENSDF (unpublished, August 2021)

$E_{\rm x}$ (MeV $\pm$ keV)	J^π; T	$T_{1/2}$ or $\Gamma_{\rm c.m.}$ (keV)	Decay
0	$\frac{5}{2}^+$; $\frac{1}{2}$		stable
0.870756 ± 0.020	$\frac{1}{2}^+$	179.6 ± 2.7 ps	γ
3.05540 ± 0.06	$\frac{1}{2}^-$	110^{+24}_{-21} fs	γ
3.8428 ± 0.4	$\frac{5}{2}^-$	$\Gamma = (92 \pm 6) \times 10^{-3}$ eV	γ
(4.14327 ± 0.13) [a]	$\frac{1}{2}^+$		
4.5518 ± 0.7	$\frac{3}{2}^-$	$\Gamma = 38.7 \pm 2.8$	γ, n
5.0868 ± 0.9	$\frac{3}{2}^+$	90 ± 3	γ, n
5.21618 ± 0.40	$\frac{9}{2}^-$	< 0.1	γ, n
5.3871 ± 2.2	$\frac{3}{2}^-$	37.1 ± 2.4	γ, n
5.69732 ± 0.33	$\frac{7}{2}^-$	3.4 ± 0.3	γ, n
5.73207 ± 0.42	$(\frac{5}{2}^-)$	< 1	n
5.86962 ± 0.40	$\frac{3}{2}^+$	6.6 ± 0.7	n
5.9316 ± 1.5	$\frac{1}{2}^-$	32 ± 3	n
6.3615 ± 7.1	$\frac{1}{2}^+$; $\frac{1}{2}$	126 ± 14	n
6.8606 ± 0.4	$\frac{5}{2}^+$	< 1	n, α
6.9725 ± 0.4	$(\frac{7}{2}^-)$	< 1	n, α
7.16586 ± 0.17	$\frac{5}{2}^-$	1.38 ± 0.05	n, α
7.214 ± 5	$\frac{3}{2}^+$	263 ± 7	n, α
7.37923 ± 0.19	$\frac{5}{2}^+$	$0.61^{+0.14}_{-0.11}$	γ, n, α
7.38237 ± 0.14	$\frac{5}{2}^-$	$0.90^{+0.17}_{-0.14}$	n, α
7.543 ± 20	$\frac{3}{2}^-$	500 ± 50	n, α
7.5735 ± 0.6	$\frac{7}{2}^+$	< 0.1	n, α
7.68921 ± 0.22	$\frac{7}{2}^-$	14.4 ± 0.3	γ, n, α
7.7636 ± 0.4	$\frac{11}{2}^-$; $\frac{1}{2}$	< 4	
7.955 ± 8	$\frac{1}{2}^+$	85 ± 9	n, α
7.992 ± 50	$\frac{1}{2}^-$	270 ± 27	n, α
8.070 ± 10	$\frac{3}{2}^+$	77 ± 8	n, α
(8.181 ± 20)	$\frac{1}{2}^-$	69 ± 7	n, α
8.200 ± 8	$\frac{3}{2}^-$	61 ± 10	γ, n, α
8.34394 ± 0.39	$\frac{1}{2}^+$	11.4 ± 0.5	n, α
8.40390 ± 0.07	$\frac{5}{2}^+$	6.17 ± 0.13	n, α

Energy Levels of ^{17}O from ENSDF (unpublished, August 2021) (continued)

$E_{\rm x}$ (MeV $\pm$ keV)	J^π; T	$T_{1/2}$ or $\Gamma_{\rm c.m.}$ (keV)	Decay
≈ 8.467	$\frac{9}{2}^+$	< 10	
8.46763 ± 0.09	$\frac{7}{2}^+$	2.13 ± 0.18	γ, n, α
8.50240 ± 0.12	$\frac{5}{2}^-$	6.89 ± 0.22	n, α
8.6889 ± 0.4	$\frac{3}{2}^-$	55.3 ± 0.6	γ, n, α
8.880 ± 20	$(\frac{7}{2}^-, \frac{9}{2}^-)$	6	γ, α
8.900 ± 8	$\frac{3}{2}^+; \frac{1}{2}$	101 ± 3	n, α
8.9687 ± 1.6	$\frac{7}{2}^-$	24.8 ± 2.4	n, α
9.146 ± 4	$\frac{1}{2}^-$	4 ± 3	γ, n, α
9.158 ± 10	$\frac{9}{2}^-; \frac{1}{2}$		
9.181 ± 9	$\frac{7}{2}^-$	3	α
9.19616 ± 0.09	$\frac{5}{2}^+$	3.53 ± 0.13	n, α
9.423	$\frac{3}{2}^-$	120	n
9.491 ± 4	$\frac{5}{2}^-$	8 ± 3	n, α
9.71453 ± 0.14	$\frac{7}{2}^+$	23.1 ± 0.3	n, α
9.78607 ± 0.15	$\frac{3}{2}^+$	11.7 ± 0.3	n, α
9.86174 ± 0.15	$(\frac{5}{2}^-)$	4.01 ± 0.23	n, α
9.8794 ± 1.0	$(\frac{1}{2}^-)$	16.7 ± 1.7	n, α
9.976 ± 20	$\frac{5}{2}^+$	≈ 80	n, α
10.045 ± 20		≈ 100	n, α
(10.136)	$\frac{5}{2}^+$	138	n, α
10.1709 ± 0.5	$\frac{7}{2}^-$	49.1 ± 0.8	n, α
(≈ 10.240)	$\frac{7}{2}^+$	122	n, α
10.335 ± 15	$(\frac{5}{2}^+, \frac{7}{2}^-)$	150	n, α
10.4213 ± 2.0	$(\frac{5}{2}^-, \frac{7}{2}^-)$	14 ± 3	n, α
≈ 10.500	$(\frac{5}{2}^+, \frac{7}{2}^-)$	75 ± 30	n, α
10.5623 ± 0.8	$(\frac{7}{2}^-)$	44.5 ± 2.5	n, α
10.694 ± 8	$(\frac{7}{2}^+)$	≤ 25	n, α
10.7779 ± 2.0	$(\frac{1}{2}^+, \frac{7}{2}^-)$	74 ± 3	n, α
10.9148 ± 6.4	$(\frac{5}{2}^+)$	43.2 ± 1.6	n, α
11.035 ± 2	$; \frac{1}{2}$	31 ± 3	n, α
11.08267 ± 0.18	$\frac{1}{2}^-; \frac{3}{2}$	2.4 ± 0.3	γ, n, α

Energy Levels of ^{17}O from ENSDF (unpublished, August 2021) (continued)

$E_{\rm x}$ (MeV $\pm$ keV)	$J^\pi; T$	$T_{1/2}$ or $\Gamma_{\rm c.m.}$ (keV)	Decay
11.238 ± 2	$(\frac{3}{2}^-, \frac{7}{2}^+)$	80.0 ± 2.5	n, α
≈ 11.519	$\geq \frac{3}{2}$	≈ 190	n, α
11.622 ± 2		65 ± 2	n, α
11.751 ± 10		40 ± 25	n, α
11.815 ± 13	$\frac{7}{2}^+$	12 ± 3	n, α
(11.880)		≈ 125	n, α
(11.950 ± 50)	$\geq \frac{3}{2}$	≈ 250	n
12.007 ± 10	$\frac{9}{2}^+$	< 50	n, α
12.118 ± 10	$; \frac{1}{2}$	150 ± 50	n, α
12.229 ± 16	$\frac{7}{2}^-$	≤ 20	
12.274 ± 15	$(\frac{7}{2}^+); \frac{1}{2}$	100 ± 30	n, α
12.385 ± 20		130	n, α
12.424 ± 13	$\frac{9}{2}^+$	< 50	n, α
12.4714 ± 0.6	$\frac{3}{2}^-; \frac{3}{2}$	7.2 ± 1.1	n, α
12.596 ± 15		75 ± 30	n, α
12.670 ± 15	$(\frac{3}{2}^-, \frac{9}{2}^+)$	75	n, α
12.760 ± 26	$; \frac{1}{2}$	< 70	n, α
12.928 ± 20	$(\frac{1}{2}^+, \frac{7}{2}^-)$	≥ 150	n, α
12.946 ± 6	$\frac{1}{2}^+; \frac{3}{2}$	6 ± 2	n, α
13.0042 ± 0.6	$\frac{5}{2}^-; \frac{3}{2}$	2.5 ± 1.0	n, α
13.072 ± 15	$(\frac{3}{2}^-)$	16 ± 4	n, α
13.485 ± 15	$(\frac{9}{2}^+)$	≈ 120	n, α
13.580 ± 20	$(\frac{11}{2}^-, \frac{13}{2}^-)$	68 ± 19	
13.610 ± 15		≈ 200	n, α
13.6419 ± 2.4	$\frac{5}{2}^+; \frac{3}{2}$	9 ± 5	n
(13.649)		400	n
14.150 ± 100	$(\frac{9}{2}^+, \frac{11}{2}^+)$	≈ 150	
14.2377 ± 1.5	$\frac{7}{2}^-; \frac{3}{2}$	20.5 ± 1.6	n
14.293 ± 3	$; \frac{3}{2}$	7.5 ± 0.4	n
14.458 ± 3		40 ± 6	n
14.550 ± 26			

Energy Levels of ^{17}O from ENSDF (unpublished, August 2021) (continued)

E_x (MeV $\pm$ keV)	J^π; T	$T_{1/2}$ or $\Gamma_{c.m.}$ (keV)	Decay
14.720 ± 20	$\frac{9}{2}^-$; $\frac{3}{2}$	35 ± 11	
14.760 ± 100	$\frac{7}{2}^-$	≈ 340	n
14.799 ± 3	$\frac{1}{2}^-$; $\frac{3}{2}$	36 ± 13	n
14.880 ± 26	$(\frac{15}{2}^+)$		α
14.967	$\frac{5}{2}^+$	≈ 155	n, α
15.100 ± 100	$(\frac{9}{2}^+, \frac{11}{2}^+)$	0.40 ± 0.15 MeV	γ, p, α
15.101 ± 8	; $\frac{3}{2}$		
15.208 ± 3	$\frac{3}{2}^+$; $\frac{3}{2}$	52 ± 14	n, p
15.377 ± 3	$(\frac{5}{2}^+)$; $\frac{3}{2}$	40 ± 6	n
15.620 ± 26			p, α
15.787 ± 20	$(\frac{13}{2}^-)$; $(\frac{1}{2})$	≤ 30	p
15.950 ± 150	$(\frac{9}{2}^+, \frac{11}{2}^+)$	0.40 ± 0.15 MeV	γ, n, p, α
16.253 ± 4	$(\frac{9}{2}^+)$; $\frac{3}{2}$	21 ± 10	n
16.578 ± 12	$\frac{3}{2}^-$; $\frac{3}{2}$	≈ 300	
16.600 ± 150	$(\frac{11}{2}^-, \frac{13}{2}^-)$		
17.06 ± 20	$\frac{11}{2}^-$; $(\frac{1}{2})$	< 20	
17.448 ± 11	; $\frac{3}{2}$	66 ± 20	n
17.920 ± 20		98 ± 16	
18.122 ± 4	$\frac{3}{2}^-$; $\frac{3}{2}$	46 ± 12	n
18.720 ± 20		87 ± 33	
18.830 ± 20		≤ 20	
(19.280 ± 70)		> 0.75 MeV	γ
19.600 ± 150	$(\frac{13}{2}^+, \frac{15}{2}^+)$	250	
19.820 ± 40	$\frac{3}{2}^-$	550 ± 50	γ
20.140 ± 20	$(\frac{11}{2}^-)$; $\frac{3}{2}$	31 ± 5	
20.200 ± 150	$(\frac{13}{2}^+, \frac{15}{2}^+)$	≈ 250	
20.390 ± 50	$(\frac{5}{2}, \frac{7}{2}^-)$	660 ± 70	γ
20.580 ± 50	$\frac{1}{2}^+$; $(\frac{1}{2})$	570 ± 80	γ, n
20.700 ± 20	$(\frac{9}{2}^-)$; $(\frac{3}{2})$	< 20	
21.050 ± 50	$(\frac{3}{2}^-)$	470 ± 60	γ
21.200	$(\frac{13}{2}^+, \frac{15}{2}^+)$		

Energy Levels of ^{17}O from ENSDF (unpublished, August 2021) (continued)

$E_{\rm x}$ (MeV $\pm$ keV)	$J^\pi; T$	$T_{1/2}$ or $\Gamma_{\rm c.m.}$ (keV)	Decay
21.725 ± 82	$\frac{5}{2}^+$	750	γ, α
22.136 ± 82	$\frac{7}{2}^-$	750	γ, n, p, α
22.550 ± 170	$\frac{3}{2}^{(-)}$	≈ 1 MeV	γ
22.960 ± 82	$\frac{1}{2}^+$	≈ 400	γ, p
23.454 ± 82			γ
24.442 ± 82			γ, p
(26.500 ± 15)			γ, p

[a] Thermal capture state.