Table 19.1 from (1978AJ03): Energy levels of ^{19}O [a]

E_x (MeV ± keV)	$J^\pi; T$	τ or $\Gamma_{c.m.}$ (keV)	Decay	Reactions
0	$\frac{5}{2}^+; \frac{3}{2}$	$\tau_{1/2} = 26.91 \pm 0.08$ sec	β^-	1, 2, 3, 4, 5, 10, 12, 14
0.0960 ± 0.5	$\frac{3}{2}^+$	$\tau_m = 2.00 \pm 0.07$ nsec $g = -0.48 \pm 0.06$	γ	3, 4, 10, 14
1.4717 ± 0.4	$\frac{1}{2}^+$	$\tau_m = 1.27 \pm 0.17$ psec	γ	3, 4, 10, 12, 14
2.3715 ± 1.0	$\frac{9}{2}^+$	> 3.5 psec	γ	3, 4, 10
2.7790 ± 0.9	$\frac{7}{2}^+$	93 ± 19 fsec	γ	3, 4, 10
3.067 ± 3	$\frac{3}{2}^+$	≥ 1 psec	γ	3, 4, 10
3.1545 ± 2.5	$\frac{5}{2}^+$	(≥ 1 psec)	γ	3, 4, 10
3.237 ± 5	$\frac{3}{2}^+$			3, 4, 10
3.944 ± 3	$\frac{3}{2}^-$		γ	3, 10
3.9468 ± 2.5	$\frac{7}{2} \rightarrow \frac{13}{2}$			3
4.118 ± 5	$\frac{3}{2}^+$	$\Gamma < 15$ keV		4, 10
4.333 ± 12		< 15		4, 10
4.402 ± 12		< 15		4, 10
4.583 ± 8	$\frac{3}{2}^-$	52 ± 3	n	4, 6, 10
4.707 ± 12	$\frac{5}{2}^+$	< 15		4, 10
4.998 ± 12		< 15		4, 10
5.086 ± 10	$\frac{1}{2}^-$	49 ± 5	n	6
5.146 ± 8	$(\frac{3}{2}, \frac{5}{2}^+)$	3.4 ± 1.0	n	4, 6, 10
5.33	$\frac{3}{2}^+$	330	n	6
5.455 ± 9	$\frac{5}{2}^+$	280	n	6
5.502 ± 12		< 15		4, 10
5.706 ± 8	$\frac{3}{2}^+$	7.8 ± 1.4	n	4, 6, 10
6.13	$\frac{3}{2}^+$	190	n	6
6.20	$\frac{1}{2}^-$	120	n	6
6.276 ± 7	$\frac{7}{2}^-$	19.2 ± 2.4	n	4, 6, 10
6.480 ± 15				6, 10
6.560 ± 15				10
6.899 ± 15				10
6.997 ± 15				10
7.117 ± 15				10

Table 19.1 from (1978AJ03): Energy levels of ^{19}O [a] (continued)

E_x (MeV $\pm$ keV)	J^π; T	τ or $\Gamma_{c.m.}$ (keV)	Decay	Reactions
7.248 ± 15				10
11.25 ± 50		240	n, α	8
11.58 ± 50		330	n, α	8

[a] See also Tables 19.2 and 19.5.