

Table 15.11 from (1959AJ76): Energy levels of ^{15}O

E_x (MeV \pm keV)	J^π	$\tau_{1/2}$ or Γ (keV)	Decay	Reactions
0	$(\frac{1}{2})^-$	$\tau_{1/2} = 123.6 \pm 0.45$ sec	β^+	1, 2, 3, 5, 12, 15, 18, 21
5.195 \pm 10	}		γ	7, 12, 21
5.247 \pm 10				
6.15 \pm 30	$(\leq \frac{5}{2}^-)$	$\Gamma = 1.5 \pm 0.5$	γ	7, 12
6.792 \pm 9	$\frac{1}{2}^+, \frac{3}{2}^+$		γ	7, 12
6.860 \pm 9				
7.560 \pm 2	$\frac{1}{2}^+$	3 ± 1	p, γ	7, 9, 12
8.291 \pm 4	$\frac{3}{2}^+$	32	p, γ	7, 9, 12
8.747 \pm 7	$\frac{1}{2}^+$	4 ± 1	p, γ	7, 9
8.928 \pm 5	$(\leq \frac{5}{2})$	4 ± 1	p, γ	7, 9
8.988 \pm 6	$\frac{1}{2}^-, \frac{3}{2}^-$	4 ± 1	p, γ	7, 9, 12
9.47	$\frac{1}{2}$	510	p, γ	7, 9
9.497 \pm 12		13 ± 4	p, γ	7, 9
9.619 \pm 12		10 ± 3	p, γ	7, 9
9.666 \pm 4		< 8	p	9
10.29 \pm 80			p	9
10.47			p	9
10.949 \pm 8	$\geq \frac{3}{2}$	77 ± 14	p	9
11.030 \pm 10		< 14	p	9
11.780 \pm 20		75	p	9
11.846 \pm 15		65	p, α	9, 11
12.3		broad	p, α	11
12.5		broad	p, α	11
13.04 \pm 20	$(\frac{5}{2}^-)$		p, α , ^3He	4, 11
13.1			p, ^3He	4
13.79	$(> \frac{5}{2})$		p, n, ^3He	4
14.09	$(\frac{1}{2}^+)$		p, n, ^3He	4
14.2			p, n, ^3He	4
14.5			p, ^3He	4
15.0			p, ^3He	4
15.6			p, ^3He	4
15.9			p, ^3He	4