

Table 18.3 from (1972AJ02):
Lifetime measurements of some ^{18}O states

$^{18}\text{O}^*$ (MeV)	τ_m (psec) ^a	Reaction	Refs.
1.98 ^b	> 1	$^{17}\text{O}(\text{d}, \text{p})$	(1969NI09)
	$6.1^{+5.0}_{-2.0}$	$^{12}\text{C}(^7\text{Li}, \text{p})$	(1964ES02)
	3.3 ± 1.5	$^{18}\text{O}(\text{e}, \text{e}')$	(1961LA09)
	3.7 ± 0.7	$^{16}\text{O}(\text{t}, \text{p})$	(1963LI07)
	$4.2^{+1.5}_{-1.0}$	$^{16}\text{O}(\text{t}, \text{p})$	(1971HI06)
3.55	> 3	$^{16}\text{O}(\text{t}, \text{p})$	(1963LI07)
3.63	> 1	$^{16}\text{O}(\text{t}, \text{p})$	(1961LI03)
	≥ 2.6	$^{12}\text{C}(^7\text{Li}, \text{p})$	(1964ES02)
3.92	3 ± 1	$^{16}\text{O}(\text{t}, \text{p})$	(1963LI07)
	$0.35^{+0.3}_{-0.2}$	$^{12}\text{C}(^7\text{Li}, \text{p})$	(1964ES02)
4.45	0.18 ± 0.06	$^{16}\text{O}(\text{t}, \text{p})$	(1963LI07)
	< 0.1	$^{16}\text{O}(\text{t}, \text{p})$	(1963LI07)
	$0.11^{+0.08}_{-0.06}$	$^{12}\text{C}(^7\text{Li}, \text{p})$	(1964ES02)

^a The last value quoted for each state is believed to be the most reliable.

^b See also (1968AN20).