Table 18.12 from (1995TI07):
Resonances in ^{14}C(α, γ)^{18}O, ^{14}C(α, n)^{17}O and ^{14}C(α, α)^{14}C [a]

E_α (MeV $\pm$ keV)	$\Gamma_{\rm lab}$ (keV)	Particles out	$E_{\rm x}$(^{18}O) (MeV)	J^π
1.140 ± 2 [b]		γ	7.114	4^+
1.790 ± 2 [b]	< 3	γ	7.619 [h]	1^-
2.10 [b]		γ	7.86	5^-
2.330 ± 2 [b]	< 3	γ, α_0	8.039 [b, h]	1^-
2.440 ± 2 [b]		γ	8.125	5^-
2.554 ± 4 [b]	1.3 ± 1	γ, n, α_0	8.213	2^+
2.643 ± 3 [b]	10 ± 1	γ, n, α_0	8.282	3^-
2.800 ± 7	10 ± 7	n	8.404	
3.330 ± 12	90 ± 15	n, α_0	8.817	
3.508 ± 4	55 ± 3	n, α_0	8.955	
4.030 ± 15	35 ± 20	n, (α_0)	9.361	
4.07 ± 40	≈ 150	n, (α_0)	9.39	
4.17 ± 40	≈ 70	n, (α_0)	9.47	
4.434 ± 10	80 ± 40	n, (α_0)	9.675	
4.70 ± 40	≈ 200	n, (α_0)	9.88	
5.004 ± 10	21 ± 5	n, α_0	10.118	3^-
5.23 [c]	[d]	n, α_0	10.29	4^+
5.34	[d]	n, α_0	10.38	3^-
5.60	[e]	n, α_0	10.58	
5.90	[f]	n, α_0	10.82	
6.02	[f]	n, α_0	10.91	
6.13	[f]	n, α_0	10.99	
6.30	[e]	n, α_0	11.13	
6.64	[d]	n, α_0	11.39	(2^+)
6.67	[d]	n, α_0	11.41	(4^+)
6.93	[d]	n, α_0	11.62	5^-
7.03	[d]	n, α_0	11.69	6^+
7.19	[f]	n, α_0	11.82	(3^-)
7.47	[f]	n, α_0	12.04	(2^+)
7.75	[g]	n, α_0	12.25	$(0^+, 1^-)$
7.85	[d]	n, α_0	12.33	5^-
8.06	[d]	n, α_0	12.50	4^+
8.10	[d]	n, α_0	12.53	6^+

[a] See also Table 18.10. For references see Table 18.5 in (1978AJ03).

[b] (1987GA15): $\Gamma_\gamma = 0.095 \pm 0.020, 0.41 \pm 0.08, 0.043 \pm 0.009, 1.07 \pm 0.22, 0.27 \pm 0.05, 0.41 \pm 0.09$, and 0.49 ± 0.13 eV, respectively for ^{18}O*(7.11, 7.62, 7.86, 8.04, 8.13, 8.21, 8.28 MeV).

[c] $\pm 10 - 20$ keV for this and all higher resonances (G.E. Mitchell, private communication).

[d] Γ_α, large; Γ_n, large.

[e] Γ_α, small; Γ_n, small.

[f] Γ_α, small; Γ_n, large.

[g] Γ_α, large; Γ_n, small.

[h] Recent ^{14}C(α, γ) measurements for these two 1^- states by (1993HA17) gave $E_\mathrm{x} = 7.6159 \pm 0.0007$ and 8.0378 ± 0.0007 keV.