

Table 16.4 from (1959AJ76): Resonances in $^{12}\text{C}(\alpha, \alpha)^{12}\text{C}$

E_α (MeV)	Γ_{lab} (keV)	θ_α^2	$^{16}\text{O}^*$ (MeV)	J^π
3.24 ^a	860	0.85	9.58	1 ⁻
3.582 ^a	1	0.0015	9.835	2 ⁺
4.28 ^b	36	0.26	10.36	4 ⁺
5.27 ^b	10		(11.10) ^d	
5.47 ^b	3300	0.76	11.25	0 ⁺
5.82 ^b	106	0.03	11.51	2 ⁺
5.96 ^b	1600	0.73	11.62	3 ⁻
7.04 ^b	230	0.04	12.43	1 ⁻
21.85 ^c	400		23.54	

^a (1953HI05).

^b (1954BI96).

^c (1955RA1B).

^d Assignment to present reaction not certain.