

Table 12.25 from (2017KE05): Some states populated in $^{12}\text{C}(\gamma, \alpha)$ reactions to discrete states in ^8Be (2008AF04)

E_x (MeV)	Γ (MeV) ^a	Decay Radiation
10.31	1.5	α_0
18.67	3.5	α_0, α_1
24.05	0.5	α_0, α_2
27.30	2.0	α_0, α_{3+4}
29.47	0.8	α_0, α_{3+4}
32.72	broad	$^8\text{Be}^*(19.9 < E_x < 25.2)$

^a Γ from decay to $^8\text{Be}_{g.s.}$. Also see $\Gamma(18.67) = 3.81$ MeV from α_1 ; $\Gamma(24.05) = 3.54$ MeV from α_2 , and $\Gamma(29.47) = 0.90$ from α_{3+4} .