

Table 16.15 from (1971AJ02): Resonances in $^{13}\text{C} + ^3\text{He}$

$E(^3\text{He})$ (MeV \pm keV)	$\Gamma_{\text{c.m.}}$	Outgoing particles	$^{16}\text{O}^*$ (MeV)	$J^\pi; T$	Refs.
1.55	≈ 80	n_0, n_3	24.05		(1963DU12)
1.55 ± 100	450	γ_0	24.05		(1966PU01)
2.0	≈ 250	n_0	24.4		(1965DI07)
2.6 ± 100		$\alpha\gamma_{15.1}$	24.9	($T = 1$)	(1964KU09, 1968MO1J, 1968WE13, 1969TA09)
2.87 ± 50	600	γ_0	25.12		(1966PU01)
(3.6)		$p, \alpha\gamma_{15.1}$	25.7		(1956SC01, 1957IL01, 1964KU09)
4.1 ± 100	^a	$\alpha\gamma_{15.1}$	26.1	($T = 1$)	(1964KU09, 1969TA09)
5.2 ± 100	^a	$\alpha\gamma_{15.1}$	27.0	($T = 1$)	(1968MO1J, 1968WE13, 1969TA09)
5.6 ± 100	≈ 600	$\alpha\gamma_{15.1}, ^8\text{Be}$	27.3	($2^+; T = 1$)	(1968JA07, 1968WE13)
6.0 ± 100	≈ 500	$p_0, p_{1+2}, ^3\text{He}, \alpha_0, \alpha_1, \alpha_2$	27.6	($3^-; T = 0$)	(1968WE15)
6.5 ± 100	^a	$\alpha\gamma_{15.1}$	28.1	($T = 1$)	(1968WE13, 1969TA09)
6.8 ± 100		$\alpha_0, \alpha_1, \alpha_2$	28.3	($T = 0$)	(1968WE13)
7.5 ± 100	^a	$\alpha\gamma_{15.1}$	28.9	($T = 1$)	(1969TA09)
8.6 ± 100	^a	$\alpha\gamma_{15.1}$	29.8	($T = 1$)	(1969TA09)
9.4 ± 100	^a	$\alpha\gamma_{15.1}$	30.4	($T = 1$)	(1969TA09)
10.1 ± 100	^a	$\alpha\gamma_{15.1}$	31.0	($T = 1$)	(1969TA09)

^a Widths (lab.) 0.5 – 1 MeV (1969TA09).