

Table 16.13 from (1977AJ02): Resonances in $^{13}\text{C} + ^3\text{He}$

$E(^3\text{He})$ (MeV \pm keV)	$\Gamma_{\text{c.m.}}$ (keV)	Outgoing particles	$^{16}\text{O}^*$ (MeV)	$J^\pi; T$	Refs. ^a
1.55	≈ 80	n_0, n_3	24.05		
1.55 ± 100	450	γ_0	24.1		
2.0	≈ 250	n_0	24.4		
2.6 ± 100		$\alpha\gamma_{15.1}$	24.9	$(T = 1)$	
2.87 ± 50	600	γ_0	25.12	(1^-)	(1972VE1A)
≈ 3.1		α_0, α_2	≈ 25.3		(1971BO26)
≈ 3.5	≈ 300	α_0	≈ 25.6	(3^-)	(1971BO26)
≈ 4	≈ 300	$\alpha_0, \alpha_1, \alpha_2$	≈ 26	(3^-)	(1971BO26)
4.1 ± 100	^b	$\gamma_0, \alpha\gamma_{15.1}$	26.1	$(T = 1)$	(1972VE1A, 1974SH01)
4.5		$\gamma_1 + \gamma_2$	26.4		(1974CH37) ^c
5.2 ± 100	^b	$\alpha\gamma_{15.1}$	27.0	$(T = 1)$	
5.6 ± 100	≈ 600	$\alpha\gamma_{15.1}, ^8\text{Be}$	27.3	$(2^+; T = 1)$	
6.0 ± 100	≈ 500	$p_0, p_{1+2}, ^3\text{He}, \alpha_0, \alpha_1, \alpha_2$	27.7	$(3^-; T = 0)$	
≈ 6		γ_0	28		(1972VE1A, 1974SH01)
6.5 ± 100	^b	$\alpha\gamma_{15.1}$	28.1	$(T = 1)$	
6.8 ± 100		$\alpha_0, \alpha_1, \alpha_2$	28.3	$(T = 0)$	
7.5 ± 100	^b	$\alpha\gamma_{15.1}$	28.9	$(T = 1)$	
8.6 ± 100	^b	$\alpha\gamma_{15.1}$	29.8	$(T = 1)$	
9.4 ± 100	^b	$\alpha\gamma_{15.1}$	30.4	$(T = 1)$	
10.1 ± 100	^b	$\alpha\gamma_{15.1}$	31.0	$(T = 1)$	

^a For a listing of the earlier references see Table 16.15 in (1971AJ02).

^b Lab widths 0.5 – 1 MeV (1969TA09).

^c And J. Lowe, private communication.