

Table 15.8 from (1981AJ01): Resonances in $^{12}\text{C} + \text{t}$

E_t (MeV \pm keV)	E_x (MeV)	Particles out	J^π	Γ (keV)	Refs. ^a
0.66	15.38	α_0			
1.11	15.74	$\text{p}_0, \text{t}_0, \alpha_1$			
1.21	15.82	t_0			
1.30 ± 20	15.89	n, α_0			
1.39 ± 20	15.96	$\text{n}, \text{t}_0, \alpha_0$			
1.46	16.02	p_0			
1.54	16.08	$\text{n}, \alpha_0, \alpha_1$			
1.64 ± 40	16.16	$\gamma_0, \text{n}, \alpha_0$	$\frac{3}{2}^+$	450 ± 100	(1977SC01) ^b
1.78	16.27	α_0			
1.85 ± 20	16.33	$\text{n}, \text{p}_0, \alpha_0, \alpha_1$			
1.98 ± 20	16.43	n, p_0			
2.05 ± 30	16.49	$\text{p}_0, \text{t}_0, \alpha_0$			
2.18 ± 25	16.59	$\gamma_0, \text{n}, \text{p}_0, \text{t}_0, \alpha_0, \alpha_1$	$\frac{3}{2}^-$	490	(1977SC01) ^b
2.30	16.69 ± 0.01	$\gamma_0, \text{n}, \text{p}_0, \alpha_0, \alpha_1$	$\frac{3}{2}^+$	130 ± 15	(1977SC01) ^b
2.39 ± 30	16.76	$\text{n}, \text{t}_0, \alpha_0, \alpha_1$			
2.50 ± 30	16.85	α_0, α_1			
2.60	16.93	α_0			
2.75	17.05	p_0			
2.82	17.10	$\gamma_0, \text{t}_0, \alpha_0, \alpha_1$	$\frac{3}{2}^-$		(1977SC01) ^b
2.89 ± 50	17.16	α_0			
3.14	17.36	α_1			
3.30	17.49 ± 0.09	γ_0	$\frac{3}{2}^+$	450 ± 120	(1977SC01) ^b
15.0	26.8	t_0			

^a See also references listed for each state in Table 15.8 of (1976AJ04).

^b *S*-matrix analysis.