

Table 15.5 from (1959AJ76): Low-energy $^{14}\text{C}(\text{p}, \gamma)^{15}\text{N}$ resonances ^a

E_{p} (keV)	$^{15}\text{N}^*$ (MeV)	$\omega\Gamma_{\text{p}}$ (eV)	$\omega\Gamma_{\gamma_0}$ (eV)	$\omega\Gamma_{\gamma_5}$ (eV)	$\omega\Gamma_{\gamma_{3,4}}$ (eV)	l_{p}	J^{π}
261	10.458	$\approx 5 \times 10^{-4}$ ^b	$\approx 1 \times 10^{-4}$	$\approx 4 \times 10^{-4}$	$\approx 1 \times 10^{-4}$	≤ 4	$(\frac{5}{2}^{\pm}, \frac{7}{2}^{-})$ $\frac{3}{2}^{+}$
351	10.542	≥ 0.04	$\leq 3 \times 10^{-4}$	0.018 ^d	0.025 ^e	≤ 3	
527	10.706	≈ 200 ^c	0.36	0.18		2	
634	10.806	≈ 0.4 ^b	0.11	0.04			

^a (1957HE1C, 1958HE48, 1959HE1D); see also Table 15.6.

^b Estimated from γ -intensities in $^{14}\text{N}(\text{d}, \text{p})^{15}\text{N}$: see (1958RA13).

^c $\theta_{\text{p}}^2 \approx 0.2$ (1957HE1C, 1959HE1D).

^d To $^{15}\text{N}^*(5.28)$.

^e To $^{15}\text{N}^*(7.16)$. The ground state transition ($7.16 \rightarrow 0$) is 3 times as strong as ($7.16 \rightarrow 5.28$) (1959HE1D).