Table 12.7 from (1990AJ01): The decay of some ^{12}C levels [a]

E_x (MeV)	Widths	E_x (MeV)	Widths
4.44	$\Gamma_\gamma = 10.8 \pm 0.6$ meV	15.11	$\Gamma_\gamma(15.11 \to 7.65) = 1.09 \pm 0.1$ eV [f]
7.65	$\Gamma_\pi/\Gamma = (6.8 \pm 0.7) \times 10^{-6}$		$\Gamma_\gamma(15.11 \to 12.71) = 0.59 \pm 0.14$ eV [f]
	$\Gamma_\pi = (60.5 \pm 3.9)$ μeV		$\Gamma_\gamma = 41.8 \pm 1.2$ eV [f]
	$\Gamma_{\rm rad}$ [b]$/\Gamma = (4.13 \pm 0.11) \times 10^{-4}$		$\Gamma_\alpha/\Gamma = 0.041 \pm 0.009$ [f]
	$\Gamma = 8.3 \pm 1.0$ eV		$\Gamma_\alpha = 1.8 \pm 0.3$ eV
	$\Gamma_{\rm rad} = 3.7 \pm 0.5$ meV		$\Gamma = 43.6 \pm 1.3$ eV
9.64	$\Gamma_{\rm rad}/\Gamma =< 4.1 \times 10^{-7}$	16.11 [g]	$\Gamma = 5.3 \pm 0.2$ keV
	$\Gamma_{\rm rad} < 14$ meV [c]		$\Gamma_{\gamma_0}/\Gamma_{\gamma_1} = (4.6 \pm 0.7)\%$
	$\Gamma_{\gamma_0} = (3.1 \pm 0.4) \times 10^{-4}$ eV		$\Gamma_{\gamma_1}/\Gamma = (2.42 \pm 0.29) \times 10^{-3}$
12.71	$\Gamma_{\gamma_0}/\Gamma = (1.93 \pm 0.12) \times 10^{-2}$		$\Gamma_\gamma(16.11 \to 9.64)/\Gamma_{\gamma_1} = (2.4 \pm 0.4)\%$
	$\Gamma_{\gamma_1}/\Gamma_{\gamma_0} = 0.150 \pm 0.018$ [d]		$\Gamma_\gamma(16.11 \to 12.71)/\Gamma_{\gamma_1} = (1.46 \pm 0.25)\%$
	$\Gamma_{\gamma_0} = 0.35 \pm 0.05$ eV		$\Gamma_{\gamma_0} = 0.59 \pm 0.11$ eV
	$\Gamma_{\gamma_1} = 0.053 \pm 0.010$ eV		$\Gamma_{\gamma_1} = 12.8 \pm 1.5$ eV
	$\Gamma = 18.1 \pm 2.8$ eV		$\Gamma_\gamma(16.11 \to 9.64) = 0.31 \pm 0.06$ eV
	$\Gamma_\alpha = 17.7 \pm 2.8$ eV [e]		$\Gamma_\gamma(16.11 \to 12.71) = 0.19 \pm 0.04$ eV
15.11	$\Gamma_{\gamma_0} = 38.5 \pm 0.8$ eV [h]	16.57	$\Gamma_{\gamma_0} = (48 \pm 8) \times 10^{-3}$ eV
	$\Gamma_{\gamma_1} = 0.96 \pm 0.13$ eV [f]		

[a] For references see Table 12.8 in (1980AJ01). See also Tables 12.8, 12.11 and 12.15 here.

[b] $\Gamma_{\rm rad} \equiv \Gamma_\gamma + \Gamma_\pi$.

[c] Based on $\Gamma = 34 \pm 5$ keV: Table 12.6.

[d] The branching ratios for the $12.71 \to 4.44$ and $12.71 \to 0$ transitions are $(13.0 \pm 1.4)\%$ and $(87.0 \pm 1.4)\%$ respectively (1977AD02).

[e] Assuming $\Gamma_\alpha + \Gamma_{\gamma_0} + \Gamma_{\gamma_1} = \Gamma$.

[f] Based on Γ_{γ_0} of (1983DE53) and on branching ratios of (1972AL03): ^{12}C*(15.11) $\to$ ^{12}C*(0, 4.4, 7.65, 12.71) are $(92 \pm 2)\%$, $(2.3 \pm 0.3)\%$, $(2.6 \pm 0.7)\%$ and $(1.4 \pm 0.4)\%$, respectively. In addition, an undetected branching of 1.6% to ^{12}C*(10.3) is indicated by the β-decay work (1972AL03). See also (1980AJ01).

[g] We are grateful to E.G. Adelberger for his comments.

[h] (1983DE53).