

Table 14.5 from (1981AJ01): Branching ratios of γ -rays in ^{14}C

E_i (MeV)	J_i^π	E_f (MeV)	Branch (%)	
			A	B
6.09	1^-	0		
6.59	0^+	0	1.1 ± 0.1^c	
		6.09	98.9 ± 0.1^d	
6.73	3^-	0	93 ± 2	97.3 ± 1
		6.09	7 ± 2	2.7 ± 1
6.90	0^-	6.09	$100^{a,e,g}$	
7.01	2^+	0		98.6 ± 0.7
		6.09		1.4 ± 0.7
7.34	2^-	0	18 ± 4	14 ± 4
		6.09	47 ± 4^f	52 ± 5^b
		6.73	35 ± 7	34 ± 4^b

A: (1966AL10): $^{13}\text{C}(\text{d}, \text{p})^{14}\text{C}$.

B: (1968BE30): $^{12}\text{C}(\text{t}, \text{p})^{14}\text{C}$.

^a (1958WA02).

^b $\delta(\text{M2/E1}) = -0.04 \pm 0.09$ and $+0.07 \pm 0.30$, respectively (1968BE30).

^c Internal pairs. $\Gamma_\pi/\Gamma = (1.1 \pm 0.1) \times 10^{-2}$, $\langle M \rangle_\pi = 0.36 \pm 0.06 \text{ fm}^2$ (1980TO05).

^d $E_\gamma = 495.35 \pm 0.10 \text{ keV}$ (1981KO08) and E.K. Warburton (private communication).

^e $E_\gamma = 808.7 \pm 1.0 \text{ keV}$ (1966AL10).

^f $E_\gamma = 1248 \pm 3 \text{ keV}$ (1966AL10).

^g The ground state branch via pair emission is $< 1.1 \times 10^{-4}$ (1978AL19).