



1 Decay Scheme

C-14 disintegrates 100 % by beta-minus transition to the ground state of the stable nuclide N-14.
Le carbone 14 se désintègre exclusivement par émission bêta moins vers le niveau fondamental d'azote 14.

2 Nuclear Data

$$T_{1/2}(^{14}\text{C}) : 5700 \quad (30) \quad \text{a}$$

$$Q^-(^{14}\text{C}) : 156,476 \quad (4) \quad \text{keV}$$

2.1 β^- Transitions

	Energy keV	Probability $\times 100$	Nature	lg <i>ft</i>
$\beta_{0,0}^-$	156,476 (4)	100	Allowed	9,04

3 Electron Emissions

	Energy keV	Electrons per 100 disint.
$\beta_{0,0}^-$	max: 156,476 (4)	100
$\beta_{0,0}^-$	avg: 49,16 (1)	

4 Main Production Modes

$$\left\{ \begin{array}{l} \text{N} - 14(\text{n,p})\text{C} - 14 \\ \text{Possible impurities : none} \end{array} \right.$$

5 References

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(Mean beta energy)

