



1 Decay Scheme

Ni-63 decays by beta minus emission to the Cu-63 fundamental level.

Le nickel 63 se désintègre par émission bêta moins vers le niveau fondamental de cuivre 63.

2 Nuclear Data

$$T_{1/2}({}^{63}\text{Ni}) : 98,7 \quad (24) \quad \text{a}$$

$$Q^{-}({}^{63}\text{Ni}) : 66,980 \quad (15) \quad \text{keV}$$

2.1 β^{-} Transitions

	Energy keV	Probability × 100	Nature	lg <i>ft</i>
$\beta_{0,0}^{-}$	66,980 (15)	100	Allowed	6,7

3 Electron Emissions

	Energy keV	Electrons per 100 disint.
$\beta_{0,0}^{-}$	max: 66,980 (15)	100
$\beta_{0,0}^{-}$	avg: 17,434 (4)	

4 Main Production Modes

$$\left\{ \begin{array}{l} \text{Ni} - 62(n,\gamma)\text{Ni} - 63 \quad \sigma : 14,2 \text{ (3) barns} \\ \text{Possible impurities : Ni} - 57, \text{Ni} - 59, \text{Ni} - 65, \text{Ni} - 66 \end{array} \right.$$

5 References

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