



1 Decay Scheme

Le phosphore 33 se désintègre par émission bêta moins vers le niveau fondamental de soufre 33.
P-33 decays by beta minus emission to the S-33 fundamental level.

2 Nuclear Data

$$T_{1/2}({}^{33}\text{P}) : 25,383 \quad (40) \quad \text{d}$$

$$Q^{-}({}^{33}\text{P}) : 248,5 \quad (11) \quad \text{keV}$$

2.1 β^{-} Transitions

	Energy keV	Probability $\times 100$	Nature	lg <i>ft</i>
$\beta_{0,0}^{-}$	248,5 (11)	100	Allowed	5

3 Atomic Data

3.1

$$\omega_K : 0,0642 \quad (16)$$

$$n_{KL} : 1,856 \quad (7)$$

4 Electron Emissions

	Energy keV	Electrons per 100 disint.
$\beta_{0,0}^{-}$	max: 248,5 (11)	100
$\beta_{0,0}^{-}$	avg: 76,4 (5)	

5 Main Production Modes

S – ³³(n,p)P – 33

P – ³²(n,γ)P – 33

S – ³⁴(γ,n)P – 33

6 References

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