



1 Decay Scheme

Sr-90 disintegrates by beta minus emission to the ground state of Y-90 ($T_{1/2} = 2,6684$ (13) d).

Le strontium 90 se désintègre par émission bêta moins vers le niveau fondamental d'yttrium 90 ($T_{1/2} = 2,6684$ (13) d).

2 Nuclear Data

$T_{1/2}({}^{90}\text{Sr})$:	28,80	(7)	a
$T_{1/2}({}^{90}\text{Y})$:	2,6684	(13)	d
$Q^{-}({}^{90}\text{Sr})$:	545,9	(14)	keV

2.1 β^{-} Transitions

	Energy keV	Probability $\times 100$	Nature	lg ft
$\beta_{0,0}^{-}$	545,9 (14)	100	Unique 1st Forbidden	9,3

3 Atomic Data

3.1 Y

ω_K	:	0,716	(4)
$\bar{\omega}_L$:	0,0289	(7)
n_{KL}	:	1,081	(4)

4 Electron Emissions

	Energy keV	Electrons per 100 disint.
$\beta_{0,0}^-$	max: 545,9 (14)	100
$\beta_{0,0}^-$	avg: 196 (1)	

5 Main Production Modes

{ Fission products
Possible impurities : Sr – 89

6 References

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