

1 Half-life, Q-value and Decay mode

$T_{1/2}$:	22.23	(12)	y
Q_{β^-}	:	63.5	(5)	keV
Q_{α}	:	3792	(20)	keV
β^-	:	100		%
α	:	1.9	(4)	$\times 10^{-6}$ %

2 β^- Transitions

	Energy keV	Probability $\times 100$	Nature	log ft
$\beta_{0,1}^-$	17.0 (5)	80.2 (13)	1st forbidden	5.5
$\beta_{0,0}^-$	63.5 (5)	19.8 (13)	1st forbidden	7.8

3 α Emissions

	Energy keV	Probability $\times 100$
$\alpha_{0,0}$	3720 (20)	0.0000019 (4)

4 Electron Emissions

	Energy keV	Electrons per 100 disint.	Energy keV
eAL	(Bi) 5.3 - 10.7	36.0 (9)	
eAK	(Bi)		
ec _{1,0} L	(Bi) 30.152 - 33.120	58 (1)	
ec _{1,0} M	(Bi) 42.540 - 43.959	13.65 (25)	
ec _{1,0} N	(Bi) 45.601 - 46.382	3.50 (6)	
$\beta_{0,1}^-$	max: 17.0 (5)	80.2 (13)	avg: 4.3 (1)
$\beta_{0,0}^-$	max: 63.5 (5)	19.8 (13)	avg: 16.3 (1)

5 Photon Emissions**5.1 X-Ray Emissions**

	Energy keV	Photons per 100 disint.
XL (Bi)	9.4207 — 15.7084	22.0 (5)

5.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ $\times 100$	Multipolarity	α_T	P_γ $\times 100$
$\gamma_{1,0}(\text{Bi})$	46.539 (1)	80.2 (13)	M1	17.86 (25)	4.252 (40)

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