

1 Half-life, Q-value and Decay mode

$T_{1/2}$:	32.3	(4)	$\times 10^{-3}$	s
Q_{β^-}	:	737	(6)		keV
Q_{α}	:	7201.3	(12)		keV
α	:	99.9933	(24)		%
β^-	:	0.0067	(24)		%

2 α Emissions

	Energy keV	Probability $\times 100$
$\alpha_{0,4}$	6037 (3)	0.002
$\alpha_{0,3}$	6322.0 (16)	0.0049 (4)
$\alpha_{0,2}$	6484.7 (16)	0.0167 (8)
$\alpha_{0,1}$	6813.8 (16)	0.0384 (15)
$\alpha_{0,0}$	7066.9 (16)	99.932 (3)

3 Electron Emissions

		Energy keV		Electrons per 100 disint.
e_{AL}	(Bi)	5.3 - 16.4		0.0077 (4)
e_{AK}	(Bi)			0.00044 (3)
	KLL	57.491 - 63.419	}	
	KLX	70.025 - 77.105	}	
	KXY	82.53 - 90.52	}	
$ec_{1,0 K}$	(Bi)	167.35	(4)	0.0125 (6)

4 Photon Emissions

4.1 X-Ray Emissions

		Energy keV		Photons per 100 disint.	
XL	(Bi)	9.421 — 15.708		0.00497 (23)	
$XK\alpha_2$	(Bi)	74.8157		0.00351 (20)	} $K\alpha$
$XK\alpha_1$	(Bi)	77.1088		0.0059 (4)	}
$XK\beta_3$	(Bi)	86.835	}		
$XK\beta_1$	(Bi)	87.344	}	0.00201 (11)	$K\beta'_1$
$XK\beta'_5$	(Bi)	87.862	}		
$XK\beta_2$	(Bi)	89.732	}		
$XK\beta_4$	(Bi)	90.074	}	0.00062 (4)	$K\beta'_2$
$XKO_{2,3}$	(Bi)	90.421	}		

4.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ $\times 100$	Multipolarity	α_T	P_γ $\times 100$
$\gamma_{1,0}(\text{Bi})$	257.88 (4)	0.0446 (13)	M1+29%E2	0.555 (26)	0.0287 (7)
$\gamma_{2,1}(\text{Bi})$	335.33 (10)	0.0062 (3)			0.0062 (3)
$\gamma_{4,2}(\text{Bi})$	455	0.002			0.002
$\gamma_{2,0}(\text{Bi})$	593.1 (1)	0.0115 (5)			0.0115 (5)
$\gamma_{3,0}(\text{Bi})$	758.9 (1)	0.0049 (4)			0.0049 (4)

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