

1 Half-life, Q-value and Decay mode

$T_{1/2}$:	10.64	(1)	h
Q_{β^-}	:	569.9	(19)	keV
β^-	:	100		%

2 β^- Transitions

	Energy keV	Probability $\times 100$	Nature	log ft
$\beta_{0,3}^-$	154.6 (19)	4.99 (21)	1st forbidden	5.35
$\beta_{0,2}^-$	331.3 (19)	81.7 (11)	1st forbidden	5.18
$\beta_{0,0}^-$	569.9 (19)	13.3 (11)	1st forbidden	6.74

3 Electron Emissions

		Energy keV	Electrons per 100 disint.	Energy keV
e _{AL}	(Bi)	5.35 - 10.66	21.4 (7)	
e _{AK}	(Bi)		1.29 (15)	
	KLL	57.49 - 63.42	}	
	KLX	70.03 - 77.11	}	
	KXY	82.53 - 90.52	}	
ec _{1,0} K	(Bi)	24.657 (5)	3.45 (16)	
ec _{1,0} L	(Bi)	98.80 - 101.76	0.61 (3)	
ec _{1,0} M+	(Bi)	111.18 - 115.18	0.19 (1)	
ec _{2,0} K	(Bi)	148.106 (2)	30.9 (10)	
ec _{2,0} L	(Bi)	222.24 - 225.21	5.37 (17)	
ec _{2,0} M+	(Bi)	234.63 - 238.63	1.73 (5)	
ec _{3,1} K	(Bi)	209.563 (12)	1.21 (20)	
ec _{3,1} L	(Bi)	283.70 - 286.67	0.21 (4)	
ec _{3,1} M+	(Bi)	296.090 - 300.086	0.066 (11)	
$\beta_{0,3}^-$	max:	154.6 (19)	4.99 (21)	avg: 41.1 (5)
$\beta_{0,2}^-$	max:	331.3 (19)	81.7 (11)	avg: 93.5 (6)
$\beta_{0,0}^-$	max:	569.9 (19)	13.3 (11)	avg: 171.7 (7)

4 Photon Emissions

4.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.	
XL	(Bi)	9.42 — 15.709	13.8 (6)	
XK α_2	(Bi)	74.8157	10.07 (18)	} K α

		Energy keV		Photons per 100 disint.	
XK α_1	(Bi)	77.1088		16.9 (3)	}
XK β_3	(Bi)	86.835	}		
XK β_1	(Bi)	87.344	}	5.77 (13)	K β'_1
XK β'_5	(Bi)	87.862	}		
XK β_2	(Bi)	89.732	}		
XK β_4	(Bi)	90.074	}	1.77 (5)	K β'_2
XKO $_{2,3}$	(Bi)	90.421	}		

4.2 Gamma Transitions and Emissions

	Energy keV	P $_{\gamma+ce}$ $\times 100$	Multipolarity	α_T	P $_{\gamma}$ $\times 100$
$\gamma_{1,0}$ (Bi)	115.183 (5)	4.87 (19)	[M1]	6.8 (1)	0.624 (23)
$\gamma_{2,1}$ (Bi)	123.449 (5)	0.198 (19)	[E2]	2.80 (4)	0.052 (5)
$\gamma_{3,2}$ (Bi)	176.640 (11)	0.157 (15)	[M1]	2.02 (3)	0.052 (5)
$\gamma_{2,0}$ (Bi)	238.632 (2)	81.6 (11)	[M1]	0.872 (13)	43.6 (5)
$\gamma_{3,1}$ (Bi)	300.089 (12)	4.66 (21)	[M1]	0.464 (7)	3.18 (14)
$\gamma_{3,0}$ (Bi)	415.272 (11)	0.17 (3)	[M1]	0.192 (3)	0.144 (22)

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