

1 Half-life, Q-value and Decay mode

$T_{1/2}$:	1.781	(4)	$\times 10^{-3}$	s
Q_α	:	7526.3	(8)		keV
Q_{β^-}	:	715	(7)		keV
α	:	99.99977	(2)		%
β^-	:	2.3	(2)	$\times 10^{-4}$	%

2 α Emissions

	Energy keV	Probability $\times 100$
$\alpha_{0,7}$	6509 (3)	0.0003
$\alpha_{0,6}$	6586 (3)	0.0020 (6)
$\alpha_{0,5}$	6667 (3)	0.0008 (3)
$\alpha_{0,4}$	6755 (3)	0.0008 (3)
$\alpha_{0,3}$	6799 (3)	0.0016 (5)
$\alpha_{0,2}$	6813 (3)	0.0004 (2)
$\alpha_{0,1}$	6955.4 (8)	0.06 (2)
$\alpha_{0,0}$	7386.1 (8)	99.934 (20)

3 Electron Emissions

	Energy keV	Electrons per 100 disint.
e_{AL}	(Pb) 5.33 - 15.82	0.00115 (14)
e_{AK}	(Pb)	0.000059 (21)
	KLL 56.028 - 61.669	}
	KLX 68.181 - 74.969	}
	KXY 80.3 - 88.0	}

4 Photon Emissions

4.1 X-Ray Emissions

	Energy keV	Photons per 100 disint.
XL	(Pb) 9.186 — 15.2169	0.00071 (12)
XK α_2	(Pb) 72.8049	0.00045 (15) } K α
XK α_1	(Pb) 74.97	0.00075 (25) }
XK β_3	(Pb) 84.451	}
XK β_1	(Pb) 84.937	}
XK β_5''	(Pb) 85.47	}
		0.00026 (9) K β_1'

		Energy keV		Photons per 100 disint.	
XK β_2	(Pb)	87.238	}	0.000078 (26)	K β'_2
XK β_4	(Pb)	87.58	}		
XKO $_{2,3}$	(Pb)	87.911	}		

4.2 Gamma Transitions and Emissions

	Energy keV	P $_{\gamma+ce}$ $\times 100$	Multipolarity	α_T	P $_{\gamma}$ $\times 100$
$\gamma_{1,0}$ (Pb)	438.9 (2)	0.06 (2)	E2	0.0405 (6)	0.058 (19)

5 References

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