1 Half-life, Q-value and Decay mode

$T_{1/2}$	:	3.98	(3)	s
Q_α	:	6946.1	(3)	keV
α	:	100		%

2 α Emissions

	Energy keV	Probability × 100
$\alpha_{0,14}$	5745 (1)	0.00009 (5)
$\alpha_{0,13}$	5765.1 (5)	0.00094 (19)
$\alpha_{0,12}$	5906.2 (10)	0.00009 (5)
$\alpha_{0,11}$	5944.4 (4)	0.0021 (3)
$\alpha_{0,10}$	5958.1 (7)	0.0003 (1)
$\alpha_{0,9}$	5999.2 (4)	0.0032 (5)
$\alpha_{0,8}$	6099.9 (5)	0.00123 (12)
$\alpha_{0,7}$	6124.1 (6)	0.00064 (12)
$\alpha_{0,6}$	6154.9 (3)	0.0184 (22)
$\alpha_{0,5}$	6222.0 (3)	0.0043 (10)
$\alpha_{0,4}$	6311.1 (3)	0.048 (3)
$\alpha_{0,3}$	6424.8 (3)	7.85 (24)
$\alpha_{0,2}$	6531.0 (3)	0.098 (5)
$\alpha_{0,1}$	6553.0 (3)	12.6 (3)
$\alpha_{0,0}$	6819.2 (3)	79.4 (10)

3 Electron Emissions

		Energy keV	Electrons per 100 disint.
e_{AL}	(Po)	5.434 - 10.934	1.50 (5)
e_{AK}	(Po)		0.067 (9)
	KLL	58.978 - 65.205	}
	KLX	71.902 - 79.289	}
	KXY	84.8 - 93.1	}
$ec_{1,0\ K}$	(Po)	178.13 (1)	1.23 (2)
$ec_{1,0\ L}$	(Po)	254.30 - 257.43	0.74 (2)
$ec_{1,0\ M}$	(Po)	267.08 - 268.55	0.19 (1)
$ec_{3,0\ K}$	(Po)	308.71 (1)	0.234 (8)
$ec_{3,0\ L}$	(Po)	384.88 - 388.00	0.102 (3)
$ec_{3,0\ M}$	(Po)	397.66 - 399.13	0.026 (1)

4 Photon Emissions

4.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.	
XL	(Po)	9.658 — 16.213	1.01 (5)	
$XK\alpha_2$	(Po)	76.864	0.540 (24)	} Kα
$XK\alpha_1$	(Po)	79.293	0.90 (4)	}
$XK\beta_3$	(Po)	89.256	}	
$XK\beta_1$	(Po)	89.807	} 0.309 (15)	$K\beta_1'$
$XK\beta_5''$	(Po)	90.363	}	
$XK\beta_2$	(Po)	92.263	}	
$XK\beta_4$	(Po)	92.618	} 0.096 (5)	$K\beta_2'$
$XKO_{2,3}$	(Po)	92.983	}	

4.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{3,1}$(Po)	130.58 (1)	0.72 (6)	M1+26.5%E2	4.44 (13)	0.133 (11)
$\gamma_{4,2}$(Po)	224.04 (7)	0.0019 (3)	(E2)	0.319 (5)	0.0014 (2)
$\gamma_{1,0}$(Po)	271.228 (10)	13.30 (26)	M1+94%E2	0.201 (7)	11.07 (22)
$\gamma_{2,0}$(Po)	293.56 (4)	0.101 (4)	M1+50%E2	0.34 (5)	0.075 (3)
$\gamma_{12,5}$(Po)	322 (1)	0.00009 (5)			0.00009 (5)
$\gamma_{8,3}$(Po)	330.9 (4)	0.00100 (11)			0.00100 (11)
$\gamma_{11,4}$(Po)	373.5 (3)	0.00025 (3)			0.00025 (3)
$\gamma_{6,2}$(Po)	383.1 (1)	0.00044 (7)			0.00044 (7)
$\gamma_{3,0}$(Po)	401.81 (1)	7.12 (23)	E2	0.0555 (8)	6.75 (22)
$\gamma_{6,1}$(Po)	405.4 (1)	0.00025 (4)			0.00025 (4)
$\gamma_{7,1}$(Po)	436.9 (5)	0.00031 (6)			0.00031 (6)
$\gamma_{8,1}$(Po)	461.5 (4)	0.00017 (3)			0.00017 (3)
$\gamma_{11,3}$(Po)	489.3 (3)	0.00064 (9)			0.00064 (9)
$\gamma_{4,0}$(Po)	517.60 (6)	0.046 (4)	M1+50%E2	0.073 (10)	0.043 (3)
$\gamma_{13,4}$(Po)	556.1 (4)	0.00006 (4)	M1+50%E2	0.061 (8)	0.00006 (4)
$\gamma_{9,1}$(Po)	564.1 (2)	0.0015 (3)			0.0015 (3)
$\gamma_{14,4}$(Po)	576.6 (10)	0.00009 (5)			0.00009 (5)
$\gamma_{5,0}$(Po)	608.30 (7)	0.0044 (10)	(M1+E2)		0.0044 (10)
$\gamma_{11,1}$(Po)	619.9 (3)	0.00033 (11)			0.00033 (11)
$\gamma_{-1,1}$(Po)	665.5 (10)	0.00009 (5)			0.00009 (5)
$\gamma_{13,3}$(Po)	671.9 (4)	0.00022 (11)	M1+E2		0.00022 (11)
$\gamma_{6,0}$(Po)	676.66 (7)	0.018 (2)			0.018 (2)
$\gamma_{7,0}$(Po)	708.1 (5)	0.00033 (11)			0.00033 (11)
$\gamma_{8,0}$(Po)	732.7 (4)	0.00007 (4)			0.00007 (4)
$\gamma_{13,1}$(Po)	802.5 (4)	0.00033 (11)	M1+E2		0.00033 (11)
$\gamma_{9,0}$(Po)	835.32 (22)	0.0017 (3)			0.0017 (3)
$\gamma_{10,0}$(Po)	877.2 (6)	0.00033 (11)			0.00033 (11)

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{11,0}$(Po)	891.1 (3)	0.0009 (2)			0.0009 (2)
$\gamma_{13,0}$(Po)	1073.7 (4)	0.00033 (11)	E2	0.00641 (9)	0.00033 (11)

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