

## 1 Half-life, Q-value and Decay mode

$T_{1/2}$	:	3.73	(3)	$\times 10^5$	y
$Q_\alpha$	:	4984.5	(10)		keV
$\alpha$	:	100			%
$SF$	:	5.5		$\times 10^{-4}$	%

## 2 $\alpha$ Emissions

	Energy keV	Probability $\times 100$
$\alpha_{0,3}$	4600.1 (10)	0.00084 (6)
$\alpha_{0,2}$	4756.2 (10)	0.0304 (13)
$\alpha_{0,1}$	4858.2 (10)	23.44 (17)
$\alpha_{0,0}$	4902.3 (10)	76.53 (17)

## 3 Electron Emissions

		Energy keV	Electrons per 100 disint.
e <sub>AL</sub>	(U)	5.9 - 21.6	8.40 (19)
e <sub>AK</sub>	(U)		0.00000188 (29)
	KLL	71.78 - 80.95	}
	KLX	88.15 - 98.43	}
	KXY	104.51 - 115.59	}
ec <sub>1,0</sub> L	(U)	23.157 - 27.747	17.1 (5)
ec <sub>1,0</sub> M	(U)	39.367 - 41.360	4.72 (14)
ec <sub>1,0</sub> N	(U)	43.474 - 44.536	1.28 (4)
ec <sub>2,1</sub> L	(U)	81.74 - 86.33	0.0209 (11)

## 4 Photon Emissions

### 4.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.
XL	(U)	11.62 — 21.73	8.71 (21)
XK $\alpha_2$	(U)	94.666	0.0000180 (13) } K $\alpha$
XK $\alpha_1$	(U)	98.44	0.0000288 (21) }
XK $\beta_3$	(U)	110.421	}
XK $\beta_1$	(U)	111.298	}
XK $\beta'_5$	(U)	111.964	}
XK $\beta_2$	(U)	114.407	}
XK $\beta_4$	(U)	115.012	}
XK $\beta'_2$	(U)	115.377	0.00000355 (27) } K $\beta'_2$
XK $\beta_{2,3}$	(U)		}

## 4.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ $\times 100$	Multipolarity	$\alpha_T$	$P_\gamma$ $\times 100$
$\gamma_{1,0}(U)$	44.915 (13)	23.5 (7)	E2	610 (12)	0.0384 (8)
$\gamma_{2,1}(U)$	103.50 (4)	0.0313 (16)	E2	11.36 (23)	0.00253 (12)
$\gamma_{3,2}(U)$	158.80 (8)	0.00084 (6)	E2	1.83 (4)	0.000298 (20)

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