

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

$T_{1/2}$	:	2.6470	(26)	y
$Q_\alpha$	:	6216.87	(4)	keV
$\alpha$	:	96.914	(3)	%
$SF$	:	3.086	(8)	%

## 2 $\alpha$ Emissions

	Energy keV	Probability $\times 100$
$\alpha_{0,3}$	5826.3	0.0019
$\alpha_{0,2}$	5976.6	0.23 (4)
$\alpha_{0,1}$	6075.64 (11)	15.1 (3)
$\alpha_{0,0}$	6118.1 (1)	81.7 (3)

## 3 Electron Emissions

		Energy keV	Electrons per 100 disint.
$e_{AL}$	(Cm)	6.3 - 24.5	5.02 (13)
$e_{AK}$	(Cm)		0.0000025 (4)
	KLL	78.858 - 89.973	}
	KLX	97.226 - 109.267	}
	KXY	115.57 - 128.23	}
$ec_{1,0} L$	(Cm)	18.9 - 24.4	10.93 (33)
$ec_{1,0} M$	(Cm)	37.1 - 39.4	3.08 (9)
$ec_{1,0} N$	(Cm)	41.7 - 42.9	0.856 (26)
$ec_{2,1} L$	(Cm)	75.7 - 81.2	0.159 (27)
$ec_{2,1} M$	(Cm)	93.9 - 96.2	0.045 (8)
$ec_{2,1} N$	(Cm)	98.5 - 99.7	0.0125 (21)

## 4 Photon Emissions

### 4.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.
XL	(Cm)	12.634 — 23.319	6.07 (14)
$XK\alpha_2$	(Cm)	104.59	0.0000257 (7) } $K\alpha$
$XK\alpha_1$	(Cm)	109.271	0.0000402 (11) }
$XK\beta_3$	(Cm)	122.304	}
$XK\beta_1$	(Cm)	123.403	}
$XK\beta_5''$	(Cm)	124.124	}
			0.0000151 (5) } $K\beta_1'$

		Energy keV	Photons per 100 disint.
XK $\beta_2$	(Cm)	126.889	} 0.00000530 (19) K $\beta'_2$
XK $\beta_4$	(Cm)	127.352	
XKO $_{2,3}$	(Cm)	127.97	

## 4.2 Gamma Transitions and Emissions

	Energy keV	P $_{\gamma+ce}$ $\times 100$	Multipolarity	$\alpha_T$	P $_{\gamma}$ $\times 100$
$\gamma_{1,0}$ (Cm)	43.399 (25)	15.2 (3)	E2	1000 (15)	0.0152 (4)
$\gamma_{2,1}$ (Cm)	100.2 (4)	0.232 (39)	E2	18.5 (5)	0.0119 (20)
$\gamma_{3,2}$ (Cm)	154.5 (6)	0.00192	E2	2.76 (6)	0.00051

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