

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

$T_{1/2}$	:	162.3	(12)	$\times 10^{-6}$	s
$Q_\alpha$	:	7833.46	(6)		keV
$\alpha$	:	100			%

## 2 $\alpha$ Emissions

	Energy keV	Probability $\times 100$
$\alpha_{0,2}$	6610.1 (10)	0.000058 (2)
$\alpha_{0,1}$	6902.6 (3)	0.0105 (7)
$\alpha_{0,0}$	7686.82 (6)	99.9895 (7)

## 3 Photon Emissions

### 3.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.	
XL	(Pb)	9.19 — 15.22	0.0000347 (13)	
XK $\alpha_2$	(Pb)	72.8049	0.0000246 (15)	} K $\alpha$
XK $\alpha_1$	(Pb)	74.97	0.0000414 (25)	
XK $\beta_3$	(Pb)	84.451	} 0.0000141 (9)	} K $\beta'_1$
XK $\beta_1$	(Pb)	84.937		
XK $\beta'_5$	(Pb)	85.47		
XK $\beta_2$	(Pb)	87.238	} 0.00000427 (27)	} K $\beta'_2$
XK $\beta_4$	(Pb)	87.58		
XKO $_{2,3}$	(Pb)	87.911		

### 3.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ $\times 100$	Multipolarity	$\alpha_T$	$P_\gamma$ $\times 100$
$\gamma_{2,1}$ (Pb)	298 (1)	0.000058 (20)	E2	0.1180 (21)	0.000052 (18)
$\gamma_{1,0}$ (Pb)	799.7 (1)	0.0105 (7)	E2	0.01042 (15)	0.0104 (6)

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