

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

$T_{1/2}$	:	4.774	(12)	min
$Q_{\beta^-}$	:	1418	(5)	keV
$\beta^-$	:	100		%

### 2 $\beta^-$ Transitions

	Energy keV	Probability $\times 100$	Nature	$\log ft$
$\beta_{0,2}^-$	520 (5)	0.271 (10)	1st forbidden non-unique	6.15
$\beta_{0,1}^-$	848 (5)	<0.00008	1st forbidden unique	>10.8
$\beta_{0,0}^-$	1418 (5)	99.729 (10)	1st forbidden non-unique	5.11

### 3 Electron Emissions

		Energy keV	Electrons per 100 disint.	Energy keV
e <sub>AL</sub>	(Pb)	5.33 - 15.82	0.00333 (6)	
e <sub>AK</sub>	(Pb)		0.000202 (23)	
	KLL	56.028 - 61.669	}	
	KLX	68.181 - 74.969	}	
	KXY	80.3 - 88.0	}	
$\beta_{0,2}^-$	max:	520 (5)	0.271 (10)	avg: 155.0 (17)
$\beta_{0,1}^-$	max:	848 (5)	<0.00008	avg: 273.2 (18)
$\beta_{0,0}^-$	max:	1418 (5)	99.729 (10)	avg: 492.5 (21)

### 4 Photon Emissions

#### 4.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.	
XL	(Pb)	9.186 — 15.2169	0.00201 (6)	
XK $\alpha_2$	(Pb)	72.8049	0.00154 (6)	} K $\alpha$
XK $\alpha_1$	(Pb)	74.97	0.00258 (10)	}
XK $\beta_3$	(Pb)	84.451	}	
XK $\beta_1$	(Pb)	84.937	}	K $\beta'_1$
XK $\beta''_5$	(Pb)	85.47	}	
XK $\beta_2$	(Pb)	87.238	}	
XK $\beta_4$	(Pb)	87.58	}	K $\beta'_2$
XKO <sub>2,3</sub>	(Pb)	87.911	}	

## 4.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ $\times 100$	Multipolarity	$\alpha_T$	$P_\gamma$ $\times 100$
$\gamma_{2,1}(\text{Pb})$	328.10 (12)	0.00189 (19)	[M1]	0.334 (5)	0.00142 (14)
$\gamma_{1,0}(\text{Pb})$	569.698 (2)	0.00189 (19)	E2	0.0216 (3)	0.00185 (19)
$\gamma_{2,0}(\text{Pb})$	897.77 (12)	0.269 (9)	M1+0.8%E2	0.0233 (4)	0.263 (9)

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