

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

$T_{1/2}$	:	16.01	(2)	h
$Q_{\beta^-}$	:	664.5	(4)	keV
$Q_{EC}$	:	751.3	(7)	keV
$\beta^-$	:	83.1	(3)	%
$EC$	:	16.9	(3)	%

### 2 Electron Capture Transitions

	Energy keV	Probability $\times 100$	Nature	$\log ft$	$P_K$	$P_L$	$P_{M+}$
$\epsilon_{0,1}$	706.8 (7)	10.6 (5)	1st forbidden non-unique	7.26	0.7261 (23)	0.2016 (15)	0.0532 (10)
$\epsilon_{0,0}$	751.3 (7)	6.3 (6)	1st forbidden non-unique	7.55	0.7303 (22)	0.1987 (15)	0.0522 (10)

### 3 $\beta^-$ Transitions

	Energy keV	Probability $\times 100$	Nature	$\log ft$
$\beta_{0,1}^-$	622.4 (4)	45.8 (23)	1st forbidden non-unique	6.84
$\beta_{0,0}^-$	664.5 (4)	37.3 (23)	1st forbidden non-unique	7.03

### 4 Electron Emissions

		Energy keV	Electrons per 100 disint.	Energy keV
eAL	(Pu)	6.09 - 13.83	9.9 (5)	
eAK	(Pu)		0.36 (4)	
	KLL	75.263 - 85.357	}	
	KLX	92.607 - 103.729	}	
	KXY	109.93 - 121.78	}	
eAL	(Cm)	6.19 - 14.46	15.4 (10)	
ec <sub>1,0</sub> L	(Cm)	17.60 - 23.16	33.1 (18)	
ec <sub>1,0</sub> M+	(Cm)	35.79 - 42.11	12.7 (7)	
ec <sub>1,0</sub> T	(Cm)	17.60 - 42.11	45.8 (23)	
ec <sub>1,0</sub> L	(Pu)	21.44 - 26.48	7.7 (4)	
ec <sub>1,0</sub> M+	(Pu)	38.61 - 44.53	2.9 (2)	
ec <sub>1,0</sub> T	(Pu)	21.44 - 44.53	10.6 (5)	
$\beta_{0,1}^-$	max:	622.4 (4)	45.8 (23)	avg: 185.92 (14)
$\beta_{0,0}^-$	max:	664.5 (4)	37.3 (23)	avg: 200.17 (14)

## 5 Photon Emissions

### 5.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.	
XL	(Pu)	12.124 — 22.153	10.8 (5)	
XK $\alpha_2$	(Pu)	99.525	3.55 (17)	} K $\alpha$
XK $\alpha_1$	(Pu)	103.734	5.6 (3)	}
XK $\beta_3$	(Pu)	116.244	}	
XK $\beta_1$	(Pu)	117.228	}	K $\beta'_1$
XK $\beta''_5$	(Pu)	117.918	}	
XK $\beta_2$	(Pu)	120.54	}	
XK $\beta_4$	(Pu)	120.969	}	K $\beta'_2$
XKO $_{2,3}$	(Pu)	121.543	}	
XL	(Cm)	12.633 — 23.527	18.0 (11)	

### 5.2 Gamma Transitions and Emissions

	Energy keV	P $_{\gamma+ce}$ $\times 100$	Multipolarity	$\alpha_T$	P $_{\gamma}$ $\times 100$
$\gamma_{1,0}$ (Cm)	42.13 (5)	45.8 (23)	E2	1155 (17)	0.040 (2)
$\gamma_{1,0}$ (Pu)	44.54 (2)	10.6 (5)	E2	748 (11)	0.014 (1)

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