

1 Half-life, Q-value and Decay mode

$T_{1/2}$:	22.5	(4)	h
Q_{β^-}	:	537	(8)	keV
Q_{EC}	:	993	(13)	keV
EC	:	53	(1)	%
β^-	:	47	(1)	%

2 Electron Capture Transitions

	Energy keV	Probability $\times 100$	Nature	$\log ft$	P_K	P_L	P_{M+}
$\epsilon_{0,4}$	306 (13)	1.64 (9)	1st forbidden	7.3	0.621 (10)	0.274 (7)	0.105 (3)
$\epsilon_{0,1}$	948 (13)	8.3 (30)	allowed	7.8	0.751 (1)	0.184 (1)	0.0652 (1)
$\epsilon_{0,0}$	993 (13)	43.1 (32)	allowed	7.1	0.753 (1)	0.182 (1)	0.0646 (1)

3 β^- Transitions

	Energy keV	Probability $\times 100$	Nature	$\log ft$
$\beta_{0,1}^-$	492 (8)	11 (4)	Allowed	7.2
$\beta_{0,0}^-$	537 (8)	36 (4)	Allowed	6.8

4 Electron Emissions

	Energy keV	Electrons per 100 disint.	Energy keV
eAL	(U) 6.4 - 21.6	21.7 (15)	
eAK	(U)	1.03 (17)	
	KLL 71.776 - 80.954	}	
	KLX 88.153 - 98.429	}	
	KXY 104.51 - 115.59	}	
eAL	(Pu) 6.19 - 22.99	3.8 (14)	
ec _{1,0} L	(Pu) 21.53 - 26.57	8 (3)	
ec _{1,0} M	(Pu) 38.70 - 40.86	2.2 (8)	
ec _{1,0} L	(U) 23.484 - 28.074	6.9 (22)	
ec _{1,0} M	(U) 39.694 - 41.690	1.9 (6)	
ec _{4,1} K	(U) 526.75 (9)	0.121 (13)	
ec _{4,1} L	(U) 620.59 - 625.18	0.034 (4)	
ec _{4,0} K	(U) 572.00 (5)	0.064 (6)	
ec _{4,0} L	(U) 665.8 - 670.4	0.0199 (23)	
$\beta_{0,1}^-$	max: 492 (8)	11 (4)	avg: 143 (3)
$\beta_{0,0}^-$	max: 537 (8)	36 (4)	avg: 158 (3)

5 Photon Emissions

5.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.	
XL	(U)	11.618 — 20.714	21.3 (18)	
XK α_2	(U)	94.666	9.9 (10)	} K α
XK α_1	(U)	98.44	15.8 (15)	
XK β_3	(U)	110.421	} 5.7 (6)	K β'_1
XK β_1	(U)	111.298		
XK β'_5	(U)	111.964		
XK β_2	(U)	114.407	} 1.95 (15)	K β'_2
XK β_4	(U)	115.012		
XK $\alpha_{2,3}$	(U)	115.377		
XL	(Pu)	12.124 — 21.984	4.2 (16)	

5.2 Gamma Transitions and Emissions

	Energy keV	P $_{\gamma+ce}$ $\times 100$	Multipolarity	α_T	P $_{\gamma}$ $\times 100$
$\gamma_{1,0}$ (Pu)	44.63 (10)	11.2 (37)	E2	743 (15)	0.015 (5)
$\gamma_{1,0}$ (U)	45.242 (3)	9.6 (30)	E2	589 (12)	0.016 (5)
$\gamma_{2,1}$ (U)	104.234 (6)	0.0143 (17)	E2	11.0 (2)	0.00119 (14)
$\gamma_{4,2}$ (U)	538.11 (10)	0.0143 (17)	E3	0.143 (3)	0.0125 (15)
$\gamma_{4,1}$ (U)	642.35 (9)	1.24 (8)	E1+(M2+E3)	0.15 (2)	1.08 (6)
$\gamma_{4,0}$ (U)	687.60 (5)	0.383 (28)	E1	0.31 (2)	0.292 (21)

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