

1 Half-life, Q-value and Decay mode

$T_{1/2}$:	24.10	(3)	d
Q_{β^-}	:	272	(10)	keV
β^-	:	100		%

2 β^- Transitions

	Energy keV	Probability $\times 100$	Nature	$\log ft$
$\beta_{0,7}^-$	85 (10)	1.6 (6)	Allowed	7
$\beta_{0,6}^-$	95 (10)	0.016 (5)	1st forbidden	9.1
$\beta_{0,5}^-$	105 (10)	6.5 (7)	Allowed	6.7
$\beta_{0,4}^-$	106 (10)	14.1 (12)	1st forbidden	6.3
$\beta_{0,2}^-$	198 (10)	77.8 (15)	1st forbidden	6.4

3 Electron Emissions

	Energy keV	Electrons per 100 disint.	Energy keV
eAL	(Pa) 5.9 - 21.6	7.7 (6)	
eAK	(Pa)	0.0014 (9)	
	KLL 70.081 - 78.822	}	
	KLX 85.989 - 95.858	}	
	KXY 101.87 - 112.59	}	
ec _{3,2} L	(Pa) 8.4 - 12.8	3.95 (45)	
ec _{7,5} M	(Pa) 14.65 - 16.57	0.63 (28)	
ec _{7,5} N	(Pa) 18.63 - 19.65	0.17 (8)	
ec _{3,2} M	(Pa) 24.1 - 26.1	1.08 (12)	
ec _{3,2} N	(Pa) 28.1 - 29.1	0.292 (34)	
ec _{4,3} L	(Pa) 41.78 - 46.15	0.31 (8)	
ec _{5,3} L	(Pa) 42.2 - 46.6	1.144 (31)	
ec _{1,0} L	(Pa) 52.82 - 57.19	0.106 (12)	
ec _{4,3} M	(Pa) 57.52 - 59.44	0.079 (20)	
ec _{5,3} M	(Pa) 57.9 - 59.9	0.281 (7)	
ec _{4,3} N	(Pa) 61.50 - 62.53	0.021 (5)	
ec _{5,3} N	(Pa) 61.9 - 62.9	0.0739 (19)	
ec _{1,0} M	(Pa) 68.56 - 70.48	0.0258 (29)	
ec _{4,2} L	(Pa) 71.27 - 75.65	8.7 (8)	
ec _{5,2} L	(Pa) 71.7 - 76.1	0.239 (21)	
ec _{4,2} M	(Pa) 87.02 - 88.94	2.09 (18)	
ec _{5,2} M	(Pa) 87.4 - 89.4	0.058 (5)	
ec _{4,2} N	(Pa) 91.00 - 92.02	0.56 (5)	
ec _{5,2} N	(Pa) 91.4 - 92.4	0.0154 (14)	
ec _{7,2} L	(Pa) 91.70 - 96.08	0.0143 (15)	
$\beta_{0,7}^-$	max: 85 (10)	1.6 (6)	avg: 22 (3)

		Energy keV		Electrons per 100 disint.	Energy keV
$\beta_{0,6}^-$	max:	95	(10)	0.016 (5)	avg: 25 (3)
$\beta_{0,5}^-$	max:	105	(10)	6.5 (7)	avg: 27 (3)
$\beta_{0,4}^-$	max:	106	(10)	14.1 (12)	avg: 28 (3)
$\beta_{0,2}^-$	max:	198	(10)	77.8 (15)	avg: 53 (3)

4 Photon Emissions

4.1 X-Ray Emissions

		Energy keV		Photons per 100 disint.	
XL	(Pa)	11.3676 — 20.1126		7.1 (3)	
XK α_2	(Pa)	92.288		0.013 (9)	} K α
XK α_1	(Pa)	95.869		0.021 (13)	}
XK β_3	(Pa)	107.595	}		
XK β_1	(Pa)	108.422	}	0.007 (5)	K β'_1
XK β_5''	(Pa)	109.072	}		
XK β_2	(Pa)	111.405	}		
XK β_4	(Pa)	111.87	}	0.0025 (16)	K β'_2
XKO $_{2,3}$	(Pa)	112.38	}		

4.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ $\times 100$	Multipolarity	α_T	P_γ $\times 100$
$\gamma_{7,5}$ (Pa)	20.01 (2)	1.2 (6)	M1+E2	240 (70)	0.0051 (21)
$\gamma_{3,2}$ (Pa)	29.50 (2)	5.4 (6)	E2	4390 (70)	0.00123 (14)
$\gamma_{4,3}$ (Pa)	62.88 (2)	0.43 (11)	M1+E2	25 (5)	0.0164 (28)
$\gamma_{5,3}$ (Pa)	63.30 (2)	5.27 (11)	E1	0.405 (6)	3.75 (8)
$\gamma_{1,0}$ (Pa)	73.92 (2)	0.154 (17)	M1+E2	10.6 (4)	0.0133 (14)
$\gamma_{7,3}$ (Pa)	83.31 (5)	0.073 (6)	E1	0.196 (3)	0.061 (5)
$\gamma_{4,2}$ (Pa)	92.38 (1)	13.7 (12)	M1	5.27 (8)	2.18 (19)
$\gamma_{5,2}$ (Pa)	92.80 (2)	2.47 (22)	E1	0.1472 (21)	2.15 (19)
$\gamma_{6,2}$ (Pa)	103.35 (10)	0.0154 (48)	M1	3.81 (6)	0.0032 (10)
$\gamma_{7,2}$ (Pa)	112.81 (5)	0.264 (40)	E1	0.23 (14)	0.215 (22)

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