

1 Half-life, Q-value and Decay mode

$T_{1/2}$:	6561	(7)	y
Q_α	:	5255.75	(15)	keV
α	:	100		%
SF	:	5.7	(1)	$\times 10^{-6}$ %

2 α Emissions

	Energy keV	Probability $\times 100$
$\alpha_{0,10}$	4217.6 (2)	<0.0000001
$\alpha_{0,9}$	4223.8 (4)	<0.00000013
$\alpha_{0,8}$	4226.1 (3)	<0.00000017
$\alpha_{0,7}$	4264.3 (3)	0.00000065 (8)
$\alpha_{0,6}$	4436.4 (2)	0.00000013 (7)
$\alpha_{0,5}$	4492.0 (2)	0.0000193 (4)
$\alpha_{0,4}$	4654.5 (2)	0.000047 (5)
$\alpha_{0,3}$	4863.5 (2)	0.001082 (18)
$\alpha_{0,2}$	5021.1 (2)	0.0863 (18)
$\alpha_{0,1}$	5123.6 (2)	27.16 (19)
$\alpha_{0,0}$	5168.13 (15)	72.74 (18)

3 Electron Emissions

		Energy keV	Electrons per 100 disint.
eAL	(U)	5.01 - 21.60	10.3 (8)
eAK	(U)		0.0000027 (4)
	KLL	71.78 - 80.95	}
	KLX	88.15 - 98.43	}
	KXY	104.51 - 115.59	}
ec _{1,0} L	(U)	23.486 - 28.076	19.8 (6)
ec _{1,0} M	(U)	39.696 - 41.690	5.48 (15)
ec _{1,0} N	(U)	43.803 - 44.865	1.483 (40)
ec _{2,1} L	(U)	82.475 - 87.067	0.0571 (10)
ec _{2,1} M	(U)	98.687 - 100.680	0.01585 (33)

4 Photon Emissions

4.1 X-Ray Emissions

		Energy keV	Photons per 100 disint.	
XL	(U)	11.619 — 20.714	10.34 (15)	
XK α_2	(U)	94.666	0.0000260 (6)	} K α
XK α_1	(U)	98.44	0.0000416 (9)	
XK β_3	(U)	110.421	}	} K β'_1
XK β_1	(U)	111.298	}	
XK β'_5	(U)	111.964	}	
XK β_2	(U)	114.407	}	} K β'_2
XK β_4	(U)	115.012	}	
XKO $_{2,3}$	(U)	115.377	}	

4.2 Gamma Transitions and Emissions

	Energy keV	P $_{\gamma+ce}$ $\times 100$	Multipolarity	α_T	P $_{\gamma}$ $\times 100$
$\gamma_{1,0}(U)$	45.244 (2)	27.3 (8)	E2	589 (12)	0.0462 (9)
$\gamma_{2,1}(U)$	104.233 (5)	0.0856 (14)	E2	10.99 (22)	0.00714 (7)
$\gamma_{3,2}(U)$	160.308 (3)	0.001116 (17)	E2	1.76 (4)	0.0004045 (22)
$\gamma_{4,3}(U)$	212.46 (5)	0.0000464 (48)	E2	0.599 (12)	0.000029 (3)
$\gamma_{5,2}(U)$	538.1 (1)	0.000000168 (14)	E3	0.143 (3)	0.000000147 (12)
$\gamma_{5,1}(U)$	642.34 (5)	0.00001449 (43)	E1+(M2+E3)	0.15 (2)	0.0000126 (3)
$\gamma_{5,0}(U)$	687.56 (10)	0.00000466 (14)	E1	0.31 (2)	0.00000356 (9)
$\gamma_{6,1}(U)$	698.94	<0.000000025			<0.000000025
$\gamma_{9,2}(U)$	810.8	<0.000000043			<0.000000043
$\gamma_{7,1}(U)$	874.0 (2)	0.00000059 (6)	(E2)	0.0144 (3)	0.00000058 (6)
$\gamma_{8,1}(U)$	912.4 (3)	<0.00000007	(M1)	0.050 (1)	<0.00000007
$\gamma_{9,1}(U)$	915.1 (3)	<0.000000063	(M1+E0)		<0.000000063
$\gamma_{7,0}(U)$	918.9 (3)	0.00000006	(E0)		
$\gamma_{10,1}(U)$	921.2 (2)	<0.000000022	E1	0.00432 (9)	<0.000000022
$\gamma_{8,0}(U)$	958.0 (2)	<0.0000001			<0.0000001
$\gamma_{9,0}(U)$	960.3	<0.00000005			<0.00000005
$\gamma_{10,0}(U)$	966.9 (2)	<0.0000000502	E1	0.00397 (8)	<0.00000005

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