1 Half-life, Q-value and Decay mode

$T_{1/2}$	:	19.8	(1)	min
Q_{β^-}	:	3270	(11)	keV
Q_α	:	5621	(3)	keV
$Q_{\alpha*}$	:	11105	(11)	keV
β^-	:	99.979	(13)	%
α	:	0.021	(13)	%

2 β^- Transitions

	Energy keV	Probability × 100	Nature	log ft
$\beta^-_{0,80}$	86 (11)	0.0011 (5)		6.8
$\beta^-_{0,79}$	99 (11)	0.00014 (9)	1st forbidden	7.8
$\beta^-_{0,77}$	110 (11)	0.00079 (12)		7.2
$\beta^-_{0,76}$	121 (11)	0.00019		8
$\beta^-_{0,75}$	127 (11)	0.00118 (9)		7.3
$\beta^-_{0,73}$	176 (11)	0.00037 (4)		8.2
$\beta^-_{0,72}$	188 (11)	0.0052 (7)		7.1
$\beta^-_{0,70}$	204 (11)	0.00141 (23)	1st forbidden	7.8
$\beta^-_{0,69}$	216 (11)	0.030 (5)		6.6
$\beta^-_{0,65}$	256 (11)	0.0252 (24)		6.9
$\beta^-_{0,62}$	270 (11)	0.0160 (16)		7.1
$\beta^-_{0,61}$	284 (11)	0.032 (5)		6.9
$\beta^-_{0,60}$	291 (11)	0.0165 (6)		7.2
$\beta^-_{0,58}$	309 (11)	0.00036 (14)	1st forbidden	9
$\beta^-_{0,57}$	329 (11)	0.041 (7)		7
$\beta^-_{0,56}$	336 (11)	0.00216 (32)		8.3
$\beta^-_{0,55}$	341 (11)	0.0025 (9)		8.3
$\beta^-_{0,54}$	348 (11)	0.0220 (9)		7.3
$\beta^-_{0,53}$	353 (11)	0.0014 (9)	1st forbidden	8.6
$\beta^-_{0,52}$	373 (11)	0.0046 (5)	1st forbidden	8.1
$\beta^-_{0,51}$	376 (11)	0.022 (3)		7.5
$\beta^-_{0,50}$	390 (11)	0.0115 (16)		7.8
$\beta^-_{0,49}$	400 (11)	0.0087 (4)	1st forbidden	7.9
$\beta^-_{0,48}$	409 (11)	0.0146 (20)		7.6
$\beta^-_{0,47}$	443 (11)	0.00218 (17)		8.7
$\beta^-_{0,44}$	484 (11)	0.0248 (31)		7.8
$\beta^-_{0,43}$	500 (11)	0.038 (5)		7.6
$\beta^-_{0,42}$	541 (11)	0.525 (16)		6.6
$\beta^-_{0,41}$	551 (11)	0.247 (8)		6.9
$\beta^-_{0,39}$	571 (11)	0.026 (4)		8
$\beta^-_{0,40}$	573 (11)	0.0471 (23)	1st forbidden	7.7
$\beta^-_{0,38}$	575 (11)	0.231 (15)	1st forbidden	7
$\beta^-_{0,37}$	608 (11)	0.098 (9)		7.5
$\beta^-_{0,36}$	639 (11)	0.0223 (21)		8.2
$\beta^-_{0,35}$	665 (11)	0.058 (4)		7.7
$\beta^-_{0,34}$	710 (11)	0.00018 (9)	1st forbidden	10.5
$\beta^-_{0,32}$	727 (11)	0.044 (7)	1st forbidden	8.1

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	Energy keV	Probability × 100	Nature	log ft
$\beta^-_{0,31}$	764 (11)	0.092 (9)	1st forbidden	7.9
$\beta^-_{0,30}$	765 (11)	0.169 (10)	1st forbidden	7.6
$\beta^-_{0,29}$	788 (11)	1.227 (27)		6.8
$\beta^-_{0,28}$	822 (11)	2.76 (6)	Allowed	6.5
$\beta^-_{0,27}$	847 (11)	0.0620 (49)		8.1
$\beta^-_{0,26}$	909 (11)	0.0030 (8)		9.6
$\beta^-_{0,25}$	922 (11)	0.0014 (9)		9.9
$\beta^-_{0,24}$	977 (11)	0.558 (8)	1st forbidden	7.4
$\beta^-_{0,23}$	1004 (11)	0.187 (12)	1st forbidden	8
$\beta^-_{0,21}$	1068 (11)	5.642 (43)	1st forbidden	6.6
$\beta^-_{0,20}$	1077 (11)	0.851 (10)	1st forbidden	7.4
$\beta^-_{0,19}$	1124 (11)	0.433 (22)	1st forbidden	7.8
$\beta^-_{0,18}$	1151 (11)	4.339 (18)	1st forbidden	6.8
$\beta^-_{0,17}$	1182 (11)	0.114 (6)		8.4
$\beta^-_{0,16}$	1253 (11)	2.449 (10)	1st forbidden	7.2
$\beta^-_{0,15}$	1261 (11)	1.430 (9)	1st forbidden	7.4
$\beta^-_{0,14}$	1275 (11)	1.171 (18)		7.5
$\beta^-_{0,13}$	1382 (11)	1.584 (10)	1st forbidden	7.5
$\beta^-_{0,12}$	1423 (11)	8.147 (28)	1st forbidden	6.9
$\beta^-_{0,11}$	1506 (11)	17.10 (8)	1st forbidden	6.6
$\beta^-_{0,10}$	1529 (11)	0.116 (16)	1st forbidden	8.8
$\beta^-_{0,9}$	1540 (11)	17.494 (36)	1st forbidden	6.7
$\beta^-_{0,8}$	1557 (11)	0.170 (16)		8.7
$\beta^-_{0,7}$	1609 (11)	0.65 (6)	1st forbidden	8.2
$\beta^-_{0,6}$	1727 (11)	3.12 (4)	1st forbidden	7.6
$\beta^-_{0,5}$	1857 (11)	0.396 (46)	1st forbidden	8.6
$\beta^-_{0,4}$	1894 (11)	7.45 (5)	1st forbidden	7.4
$\beta^-_{0,1}$	2661 (11)	0.62 (20)	1st forbidden	9
$\beta^-_{0,0}$	3270 (11)	19.67 (20)	1st forbidden	7.9

3 α Emissions

	Energy keV	Probability × 100
$\alpha_{0,5}$	4941 (3)	0.000052 (3)
$\alpha_{0,4}$	5023 (3)	0.000045 (3)
$\alpha_{0,3}$	5184 (3)	0.00013 (1)
$\alpha_{0,2}$	5273 (9)	0.00125 (7)
$\alpha_{0,1}$	5452 (3)	0.0116 (7)
$\alpha_{0,0}$	5516 (3)	0.0082 (5)
$^*\alpha_{1,0}$	8287 (6)	0.00012
$^*\alpha_{6,1}$	8430 (6)	0.00006
$^*\alpha_{2,0}$	8950 (6)	0.00002
$^*\alpha_{4,0}$	9080 (6)	0.0022
$^*\alpha_{6,0}$	9320 (6)	0.00005
$^*\alpha_{7,0}$	9378 (8)	0.00002

	Energy keV	Probability × 100
$^{*}\alpha_{10,0}$	9500 (6)	0.0001
$^{*}\alpha_{14,0}$	9670 (8)	0.00004
$^{*}\alpha_{17,0}$	9802 (6)	0.00012
$^{*}\alpha_{21,0}$	9907 (6)	0.00007
$^{*}\alpha_{24,0}$	10082 (6)	0.00014
$^{*}\alpha_{26,0}$	10150 (8)	0.00002
$^{*}\alpha_{32,0}$	10332 (6)	0.00008
$^{*}\alpha_{38,0}$	10505 (10)	0.00002

* Long-range α.

4 Electron Emissions

		Energy keV	Electrons per 100 disint.	Energy keV
e_{AL}	(Po)	5.43 - 16.86	0.934 (16)	
e_{AK}	(Po)		0.053 (7)	
	KLL	58.97 - 65.20	}	
	KLX	71.93 - 76.60	}	
	KXY	84.72 - 93.04	}	
$ec_{18,9\ K}$	(Po)	295.84 (5)	0.0800 (16)	
$ec_{18,9\ L}$	(Po)	372.01 - 375.13	0.01391 (26)	
$ec_{1,0\ K}$	(Po)	516.216 (7)	0.676 (10)	
$ec_{1,0\ L}$	(Po)	592.388 - 595.510	0.1892 (28)	
$ec_{1,0\ M}$	(Po)	605.164 - 606.640	0.0469 (7)	
$ec_{1,0\ N}$	(Po)	608.329 - 609.138	0.01201 (19)	
$ec_{4,1\ K}$	(Po)	675.259 (14)	0.060 (9)	
$ec_{5,1\ K}$	(Po)	713.07 (2)	0.01094 (17)	
$ec_{4,1\ L}$	(Po)	751.431 - 754.550	0.0127 (15)	
$ec_{6,1\ K}$	(Po)	840.959 (16)	0.0595 (25)	
$ec_{6,1\ L}$	(Po)	917.131 - 920.250	0.01014 (40)	
$ec_{9,1\ K}$	(Po)	1027.195 (15)	0.1858 (29)	
$ec_{9,1\ L}$	(Po)	1103.367 - 1106.490	0.03131 (45)	
$ec_{12,1\ K}$	(Po)	1145.015 (12)	0.0573 (8)	
$ec_{11,0\ K}$	(Po)	1671.398 (14)	0.0608 (9)	
$ec_{11,0\ L}$	(Po)	1747.57 - 1750.69	0.01012 (16)	
$\beta^{-}_{0,80}$	max:	86 (11)	0.0011 (5)	avg: 23 (3)
$\beta^{-}_{0,79}$	max:	97 (11)	0.00014 (9)	avg: 26 (3)
$\beta^{-}_{0,77}$	max:	110 (11)	0.00079 (12)	avg: 29 (3)
$\beta^{-}_{0,76}$	max:	121 (11)	0.00019	avg: 32 (3)
$\beta^{-}_{0,75}$	max:	127 (11)	0.00118 (9)	avg: 34 (3)
$\beta^{-}_{0,73}$	max:	176 (11)	0.00037 (4)	avg: 48 (3)
$\beta^{-}_{0,72}$	max:	188 (11)	0.0052 (7)	avg: 51 (3)
$\beta^{-}_{0,70}$	max:	202 (11)	0.00141 (23)	avg: 55 (3)
$\beta^{-}_{0,69}$	max:	216 (11)	0.030 (5)	avg: 59 (3)

		Energy keV		Electrons per 100 disint.		Energy keV
$\beta^-_{0,65}$	max:	256	(11)	0.0252 (24)	avg:	71 (3)
$\beta^-_{0,62}$	max:	270	(11)	0.0160 (16)	avg:	75 (3)
$\beta^-_{0,61}$	max:	284	(11)	0.032 (5)	avg:	80 (3)
$\beta^-_{0,60}$	max:	291	(11)	0.0165 (6)	avg:	82 (3)
$\beta^-_{0,58}$	max:	307	(11)	0.00036 (14)	avg:	87 (3)
$\beta^-_{0,57}$	max:	329	(11)	0.041 (7)	avg:	93 (3)
$\beta^-_{0,56}$	max:	336	(11)	0.00216 (32)	avg:	95 (3)
$\beta^-_{0,55}$	max:	341	(11)	0.0025 (9)	avg:	97 (3)
$\beta^-_{0,54}$	max:	348	(11)	0.0220 (9)	avg:	99 (3)
$\beta^-_{0,53}$	max:	350	(11)	0.0014 (9)	avg:	100 (3)
$\beta^-_{0,52}$	max:	373	(11)	0.0046 (5)	avg:	107 (3)
$\beta^-_{0,51}$	max:	376	(11)	0.022 (3)	avg:	108 (3)
$\beta^-_{0,50}$	max:	390	(11)	0.0115 (16)	avg:	113 (3)
$\beta^-_{0,49}$	max:	400	(11)	0.0087 (4)	avg:	116 (3)
$\beta^-_{0,48}$	max:	409	(11)	0.0146 (20)	avg:	119 (4)
$\beta^-_{0,47}$	max:	443	(11)	0.00218 (17)	avg:	130 (4)
$\beta^-_{0,44}$	max:	484	(11)	0.0248 (31)	avg:	143 (4)
$\beta^-_{0,43}$	max:	500	(11)	0.038 (5)	avg:	149 (4)
$\beta^-_{0,42}$	max:	541	(11)	0.525 (16)	avg:	162 (4)
$\beta^-_{0,41}$	max:	551	(11)	0.247 (8)	avg:	166 (4)
$\beta^-_{0,40}$	max:	571	(11)	0.0471 (23)	avg:	172 (4)
$\beta^-_{0,39}$	max:	571	(11)	0.026 (4)	avg:	173 (4)
$\beta^-_{0,38}$	max:	575	(11)	0.231 (15)	avg:	174 (4)
$\beta^-_{0,37}$	max:	608	(11)	0.098 (9)	avg:	185 (4)
$\beta^-_{0,36}$	max:	639	(11)	0.0223 (21)	avg:	196 (4)
$\beta^-_{0,35}$	max:	665	(11)	0.058 (4)	avg:	205 (4)
$\beta^-_{0,34}$	max:	708	(11)	0.00018 (9)	avg:	220 (4)
$\beta^-_{0,32}$	max:	725	(11)	0.044 (7)	avg:	226 (4)
$\beta^-_{0,31}$	max:	762	(11)	0.092 (9)	avg:	240 (4)
$\beta^-_{0,30}$	max:	765	(11)	0.169 (10)	avg:	241 (4)
$\beta^-_{0,29}$	max:	788	(11)	1.227 (27)	avg:	249 (3)
$\beta^-_{0,28}$	max:	822	(11)	2.76 (6)	avg:	262 (4)
$\beta^-_{0,27}$	max:	847	(11)	0.0620 (49)	avg:	271 (4)
$\beta^-_{0,26}$	max:	909	(11)	0.0030 (8)	avg:	294 (4)
$\beta^-_{0,25}$	max:	922	(11)	0.0014 (9)	avg:	298 (4)
$\beta^-_{0,24}$	max:	977	(11)	0.558 (8)	avg:	319 (4)
$\beta^-_{0,23}$	max:	1004	(11)	0.187 (12)	avg:	329 (4)
$\beta^-_{0,21}$	max:	1066	(11)	5.642 (43)	avg:	353 (4)
$\beta^-_{0,20}$	max:	1077	(11)	0.851 (10)	avg:	357 (4)
$\beta^-_{0,19}$	max:	1122	(11)	0.433 (22)	avg:	375 (4)
$\beta^-_{0,18}$	max:	1151	(11)	4.339 (18)	avg:	386 (4)
$\beta^-_{0,17}$	max:	1182	(11)	0.114 (6)	avg:	398 (4)
$\beta^-_{0,16}$	max:	1253	(11)	2.449 (10)	avg:	425 (4)
$\beta^-_{0,15}$	max:	1259	(11)	1.430 (9)	avg:	428 (4)
$\beta^-_{0,14}$	max:	1275	(11)	1.171 (18)	avg:	434 (4)
$\beta^-_{0,13}$	max:	1380	(11)	1.584 (10)	avg:	476 (4)
$\beta^-_{0,12}$	max:	1423	(11)	8.147 (28)	avg:	493 (4)

		Energy keV		Electrons per 100 disint.		Energy keV
$\beta^-_{0,11}$	max:	1506	(11)	17.10 (8)	avg:	526 (4)
$\beta^-_{0,10}$	max:	1527	(11)	0.116 (16)	avg:	535 (4)
$\beta^-_{0,9}$	max:	1540	(11)	17.494 (36)	avg:	540 (4)
$\beta^-_{0,8}$	max:	1557	(11)	0.170 (16)	avg:	547 (4)
$\beta^-_{0,7}$	max:	1609	(11)	0.65 (6)	avg:	568 (4)
$\beta^-_{0,6}$	max:	1727	(11)	3.12 (4)	avg:	616 (5)
$\beta^-_{0,5}$	max:	1855	(11)	0.396 (46)	avg:	669 (5)
$\beta^-_{0,4}$	max:	1892	(11)	7.45 (5)	avg:	685 (5)
$\beta^-_{0,1}$	max:	2661	(11)	0.62 (20)	avg:	1008 (5)
$\beta^-_{0,0}$	max:	3270	(11)	19.67 (20)	avg:	1270 (5)

5 Photon Emissions

5.1 X-Ray Emissions

		Energy keV		Photons per 100 disint.	
XL	(Po)	9.66 — 16.21		0.627 (15)	
$XK\alpha_2$	(Po)	76.864		0.426 (13)	} Kα
$XK\alpha_1$	(Po)	79.293		0.710 (22)	}
$XK\beta_3$	(Po)	89.256	}		
$XK\beta_1$	(Po)	89.807	}	0.244 (9)	$K\beta'_1$
$XK\beta''_5$	(Po)	90.363	}		
$XK\beta_2$	(Po)	92.263	}		
$XK\beta_4$	(Po)	92.618	}	0.0760 (29)	$K\beta'_2$
$XKO_{2,3}$	(Po)	92.983	}		

5.2 Gamma Transitions and Emissions

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{1,0}$(Tl)	62.5 (10)	0.0116 (7)	(M1)		0.0116 (7)
$\gamma_{2,1}$(Tl)	191.1 (18)	0.00125 (7)			0.00125 (7)
$\gamma_{11,6}$(Po)	221 (1)	0.106 (31)	[M1,E2]	0.8 (5)	0.059 (6)
$\gamma_{-1,0}$(Po)	230 (1)	0.0031 (11)		0.0585 (11)	0.0029 (10)
$\gamma_{16,11}$(Po)	252.80 (6)	0.0212 (33)	[M1]	0.809 (12)	0.0117 (18)
$\gamma_{6,3}$(Po)	268.8 (2)	0.0168 (19)	[E1]	0.0405 (6)	0.0161 (18)
$\gamma_{29,22}$(Po)	273.80 (5)	0.120 (8)			0.120 (8)
$\gamma_{42,28}$(Po)	280.95 (5)	0.062 (6)			0.062 (6)
$\gamma_{-1,1}$(Po)	304.2 (2)	0.033 (6)		0.30 (19)	0.0255 (23)
$\gamma_{14,7}$(Po)	333.350 (42)	0.0646 (41)	[E1]	0.0247 (4)	0.063 (4)
$\gamma_{-1,2}$(Po)	334.78 (8)	0.033 (5)			0.033 (5)
$\gamma_{11,5}$(Po)	348.92 (6)	0.164 (43)	[M1]	0.335 (5)	0.123 (32)

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{11,4}$(Po)	386.77 (5)	0.343 (30)	[M1,E2]	0.16 (10)	0.296 (5)
$\gamma_{18,9}$(Po)	388.88 (5)	0.493 (6)	(M1)	0.250 (4)	0.394 (5)
$\gamma_{29,17}$(Po)	394.05 (8)	0.0127 (18)			0.0127 (18)
$\gamma_{35,22}$(Po)	396.01 (8)	0.0259 (18)			0.0259 (18)
$\gamma_{2,1}$(Po)	405.74 (3)	0.180 (7)	[E2]	0.0541 (8)	0.171 (7)
$\gamma_{28,14}$(Po)	452.92 (10)	0.034 (5)	[M1,E2]	0.10 (7)	0.031 (4)
$\gamma_{9,3}$(Po)	454.770 (12)	0.292 (5)	[E1]	0.01251 (18)	0.288 (5)
$\gamma_{21,10}$(Po)	461.0 (2)	0.067 (9)	[M1]	0.1581 (23)	0.058 (8)
$\gamma_{12,4}$(Po)	469.76 (7)	0.145 (18)	[M1,E2]	0.09 (6)	0.133 (15)
$\gamma_{21,9}$(Po)	474.41 (5)	0.100 (9)	[M1,E2]	0.09 (6)	0.092 (6)
$\gamma_{38,22}$(Po)	485.92 (11)	0.021 (4)			0.021 (4)
$\gamma_{29,14}$(Po)	487.95 (13)	0.028 (9)	[E1]	0.01080 (16)	0.028 (9)
$\gamma_{39,21}$(Po)	494.2 (4)	0.011 (3)			0.011 (3)
$\gamma_{31,15}$(Po)	496.90 (18)	0.0068 (18)			0.0068 (18)
$\gamma_{23,11}$(Po)	501.96 (15)	0.0181 (22)			0.0181 (22)
$\gamma_{42,22}$(Po)	519.90 (5)	0.0166 (17)			0.0166 (17)
$\gamma_{42,21}$(Po)	524.6 (2)	0.0169 (17)			0.0169 (17)
$\gamma_{6,2}$(Po)	528 (1)	0.0112 (13)	[E2]	0.0282 (5)	0.0109 (13)
$\gamma_{23,9}$(Po)	536.77 (4)	0.061 (8)			0.061 (8)
$\gamma_{21,7}$(Po)	543.0 (2)	0.093 (23)	[M1,E2]	0.06 (4)	0.088 (21)
$\gamma_{22,7}$(Po)	547.6 (3)	0.034 (3)			0.034 (3)
$\gamma_{62,28}$(Po)	551.9 (8)	0.0055 (14)			0.0055 (14)
$\gamma_{12,3}$(Po)	572.76 (7)	0.072 (8)	[E1]	0.00779 (11)	0.071 (8)
$\gamma_{15,5}$(Po)	595.23 (7)	0.0183 (17)	[M1,E2]	0.05 (3)	0.0174 (15)
$\gamma_{41,18}$(Po)	600.0 (5)	0.008 (4)			0.008 (4)
$\gamma_{1,0}$(Po)	609.312 (7)	46.42 (19)	E2	0.0204 (3)	45.49 (19)
$\gamma_{13,3}$(Po)	615.73 (10)	0.055 (7)	[E1]	0.00674 (10)	0.055 (7)
$\gamma_{14,4}$(Po)	617.0 (2)	0.027 (5)	[E1]	0.00672 (10)	0.027 (5)
$\gamma_{51,23}$(Po)	626.4 (6)	0.0041 (14)			0.0041 (14)
$\gamma_{-1,3}$(Po)	630.79 (7)	0.0166 (14)			0.0166 (14)
$\gamma_{15,4}$(Po)	633.14 (10)	0.057 (3)	[M1,E2]	0.044 (25)	0.055 (3)
$\gamma_{29,12}$(Po)	634.72 (21)	0.0067 (24)	[M1,E2]	0.043 (25)	0.0064 (23)
$\gamma_{16,4}$(Po)	639.67 (10)	0.035 (5)	[E2]	0.0183 (3)	0.034 (5)
$\gamma_{20,6}$(Po)	649.18 (7)	0.056 (7)	[M1,E2]	0.041 (24)	0.054 (7)
$\gamma_{27,11}$(Po)	658.7 (2)	0.017 (4)			0.017 (4)
$\gamma_{21,6}$(Po)	661.1 (2)	0.056 (4)	[M1,E2]	0.039 (22)	0.054 (4)
$\gamma_{3,1}$(Po)	665.453 (22)	1.539 (7)	E1	0.00579 (9)	1.530 (7)
$\gamma_{38,16}$(Po)	677.41 (15)	0.0055 (23)			0.0055 (23)
$\gamma_{28,11}$(Po)	683.22 (6)	0.084 (6)	[E1]	0.00551 (8)	0.084 (6)
$\gamma_{39,15}$(Po)	687.6 (3)	0.0066 (14)			0.0066 (14)
$\gamma_{27,9}$(Po)	693.3 (5)	0.0059 (15)			0.0059 (15)
$\gamma_{8,2}$(Po)	697.90 (25)	0.069 (4)	[M1,E2]	0.034 (19)	0.067 (4)
$\gamma_{38,14}$(Po)	699.82 (18)	0.016 (5)			0.016 (5)
$\gamma_{18,5}$(Po)	703.11 (4)	0.504 (12)	[M1]	0.0519 (8)	0.479 (11)
$\gamma_{28,10}$(Po)	704.9 (3)	0.051 (10)	[E1]	0.00519 (8)	0.051 (10)
$\gamma_{41,15}$(Po)	708.8 (3)	0.0119 (20)			0.0119 (20)
$\gamma_{17,4}$(Po)	710.67 (10)	0.076 (4)			0.076 (4)
$\gamma_{14,3}$(Po)	719.86 (3)	0.399 (10)	E2	0.01424 (20)	0.393 (10)

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{23,6}$(Po)	722.98 (12)	0.037 (7)			0.037 (7)
$\gamma_{42,14}$(Po)	733.80 (15)	0.038 (3)			0.038 (3)
$\gamma_{18,4}$(Po)	740.73 (18)	0.0440 (23)	[M1,E2]	0.029 (16)	0.0428 (21)
$\gamma_{29,9}$(Po)	752.84 (3)	0.130 (8)	[M1,E2]	0.028 (16)	0.126 (8)
$\gamma_{4,1}$(Po)	768.356 (10)	4.969 (19)	M1+E2	0.0157 (21)	4.892 (16)
$\gamma_{28,7}$(Po)	786.1 (4)	0.31 (5)	[E1]	0.00422 (6)	0.31 (5)
$\gamma_{21,5}$(Po)	788.6 (5)	0.016 (5)	[M1]	0.0385 (6)	0.015 (5)
$\gamma_{5,1}$(Po)	806.174 (18)	1.276 (6)	E2	0.01127 (16)	1.262 (6)
$\gamma_{20,4}$(Po)	815.0 (1)	0.0399 (31)	[M1,E2]	0.023 (13)	0.039 (3)
$\gamma_{29,7}$(Po)	821.18 (3)	0.172 (10)	M1	0.0346 (5)	0.166 (10)
$\gamma_{21,4}$(Po)	826.3 (2)	0.133 (11)	M1	0.0341 (5)	0.129 (11)
$\gamma_{12,2}$(Po)	832.39 (11)	0.0354 (20)	[E2]	0.01057 (15)	0.035 (2)
$\gamma_{38,12}$(Po)	847.16 (11)	0.016 (6)			0.016 (6)
$\gamma_{19,3}$(Po)	873.07 (19)	0.019 (3)			0.019 (3)
$\gamma_{24,5}$(Po)	878.03 (12)	0.0120 (28)	[M1,E2]	0.019 (10)	0.0118 (27)
$\gamma_{28,6}$(Po)	904.29 (10)	0.066 (8)	[E1]	0.00326 (5)	0.066 (8)
$\gamma_{24,4}$(Po)	915.74 (15)	0.023 (5)	[M1,E2]	0.017 (9)	0.023 (5)
$\gamma_{20,3}$(Po)	917.8 (3)	0.005 (3)	[E1]	0.00317 (5)	0.005 (3)
$\gamma_{38,11}$(Po)	930.2 (2)	0.043 (8)			0.043 (8)
$\gamma_{6,1}$(Po)	934.061 (12)	3.173 (11)	M1+E2	0.0234 (10)	3.10 (1)
$\gamma_{29,6}$(Po)	939.6 (5)	0.016 (4)	[M1,E2]	0.016 (8)	0.016 (4)
$\gamma_{35,7}$(Po)	943.34 (12)	0.017 (3)			0.017 (3)
$\gamma_{37,8}$(Po)	949.8 (5)	0.0055 (23)			0.0055 (23)
$\gamma_{38,10}$(Po)	952.2 (8)	0.0059 (23)			0.0059 (23)
$\gamma_{30,6}$(Po)	961.61 (17)	0.0101 (14)			0.0101 (14)
$\gamma_{42,11}$(Po)	964.08 (3)	0.363 (12)			0.363 (12)
$\gamma_{41,10}$(Po)	976.18 (12)	0.0151 (21)			0.0151 (21)
$\gamma_{23,3}$(Po)	991.49 (19)	0.011 (3)	[M1,E2]	0.014 (7)	0.011 (3)
$\gamma_{48,12}$(Po)	1013.8 (2)	0.0087 (19)			0.0087 (19)
$\gamma_{44,11}$(Po)	1021.0 (5)	0.016 (3)			0.016 (3)
$\gamma_{28,5}$(Po)	1032.37 (8)	0.061 (4)	[E1]	0.00257 (4)	0.061 (4)
$\gamma_{39,7}$(Po)	1038.0 (3)	0.0086 (15)			0.0086 (15)
$\gamma_{27,4}$(Po)	1045.6 (2)	0.023 (3)			0.023 (3)
$\gamma_{7,1}$(Po)	1051.96 (3)	0.328 (8)	[M1,E2]	0.012 (6)	0.324 (8)
$\gamma_{42,7}$(Po)	1067.2 (3)	0.024 (7)			0.024 (7)
$\gamma_{28,4}$(Po)	1069.96 (8)	0.272 (10)	[E1]	0.00241 (4)	0.271 (10)
$\gamma_{8,1}$(Po)	1103.64 (19)	0.107 (15)	[M1,E2]	0.011 (5)	0.106 (15)
$\gamma_{29,4}$(Po)	1104.79 (19)	0.074 (14)	[M1,E2]	0.011 (5)	0.073 (14)
$\gamma_{37,6}$(Po)	1118.9 (5)	0.010 (4)			0.010 (4)
$\gamma_{9,1}$(Po)	1120.287 (10)	15.14 (3)	M1+E2	0.01522 (23)	14.91 (3)
$\gamma_{31,4}$(Po)	1130.29 (19)	0.036 (3)			0.036 (3)
$\gamma_{10,1}$(Po)	1133.66 (3)	0.255 (8)	[E2]	0.00578 (8)	0.254 (8)
$\gamma_{11,1}$(Po)	1155.19 (2)	1.657 (7)	M1+E2	0.0135 (4)	1.635 (7)
$\gamma_{32,4}$(Po)	1167.3 (2)	0.0123 (17)			0.0123 (17)
$\gamma_{28,3}$(Po)	1172.98 (10)	0.055 (7)	[E2]	0.00542 (8)	0.055 (7)
$\gamma_{29,3}$(Po)	1207.68 (3)	0.455 (12)	[E1]	0.00196 (3)	0.454 (12)
$\gamma_{-1,4}$(Po)	1226.7 (3)	0.018 (8)			0.018 (8)
$\gamma_{30,3}$(Po)	1230.6 (4)	0.007 (5)			0.007 (5)

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{12,1}$(Po)	1238.111 (12)	5.901 (14)	M1+E2	0.01200 (17)	5.831 (14)
$\gamma_{13,1}$(Po)	1280.96 (2)	1.451 (6)	M1	0.01101 (16)	1.435 (6)
$\gamma_{37,4}$(Po)	1284 (1)	0.013 (6)			0.013 (6)
$\gamma_{41,5}$(Po)	1303.76 (8)	0.105 (5)			0.105 (5)
$\gamma_{38,4}$(Po)	1316.96 (15)	0.077 (7)			0.077 (7)
$\gamma_{35,3}$(Po)	1330.0 (2)	0.0120 (14)			0.0120 (14)
$\gamma_{41,4}$(Po)	1341.49 (16)	0.0214 (27)			0.0214 (27)
$\gamma_{42,4}$(Po)	1351 (1)	0.0042 (11)			0.0042 (11)
$\gamma_{65,7}$(Po)	1353.4 (8)	0.0036 (9)			0.0036 (9)
$\gamma_{4,0}$(Po)	1377.669 (12)	3.984 (11)	E2	0.00404 (6)	3.968 (11)
$\gamma_{14,1}$(Po)	1385.31 (3)	0.796 (5)	[E1]	0.001631 (23)	0.795 (5)
$\gamma_{43,4}$(Po)	1392.5 (4)	0.0087 (19)			0.0087 (19)
$\gamma_{15,1}$(Po)	1401.50 (4)	1.337 (7)	(M1+E2)	0.0053 (9)	1.330 (7)
$\gamma_{16,1}$(Po)	1407.98 (4)	2.398 (8)	(E2)	0.00389 (6)	2.389 (8)
$\gamma_{38,3}$(Po)	1419.7 (3)	0.0055 (10)			0.0055 (10)
$\gamma_{65,6}$(Po)	1470.9 (3)	0.0094 (13)			0.0094 (13)
$\gamma_{17,1}$(Po)	1479.15 (14)	0.051 (4)			0.051 (4)
$\gamma_{18,1}$(Po)	1509.228 (15)	2.144 (10)	M1+E2	0.00732 (11)	2.128 (10)
$\gamma_{51,4}$(Po)	1515.5 (3)	0.0072 (21)			0.0072 (21)
$\gamma_{19,1}$(Po)	1538.50 (6)	0.401 (22)			0.401 (22)
$\gamma_{6,0}$(Po)	1543.32 (6)	0.303 (13)	[E2]	0.00333 (5)	0.302 (13)
$\gamma_{20,1}$(Po)	1583.22 (4)	0.712 (5)	M1+E2	0.00642 (18)	0.707 (5)
$\gamma_{21,1}$(Po)	1594.73 (8)	0.276 (15)	[M1]	0.00644 (9)	0.274 (15)
$\gamma_{22,1}$(Po)	1599.31 (6)	0.322 (15)			0.322 (15)
$\gamma_{65,4}$(Po)	1636.3 (2)	0.0111 (16)			0.0111 (16)
$\gamma_{23,1}$(Po)	1657.00 (19)	0.047 (5)			0.047 (5)
$\gamma_{7,0}$(Po)	1661.28 (6)	1.051 (9)	E2	0.00296 (5)	1.048 (9)
$\gamma_{57,3}$(Po)	1665.8 (2)	0.015 (6)			0.015 (6)
$\gamma_{24,1}$(Po)	1683.99 (4)	0.217 (3)			0.217 (3)
$\gamma_{61,3}$(Po)	1711.0 (8)	0.023 (5)			0.023 (5)
$\gamma_{9,0}$(Po)	1729.595 (15)	2.852 (10)	E2	0.00278 (4)	2.844 (10)
$\gamma_{26,1}$(Po)	1751.4 (8)	0.0009 (5)			0.0009 (5)
$\gamma_{11,0}$(Po)	1764.494 (14)	15.39 (5)	M1	0.00511 (8)	15.31 (5)
$\gamma_{27,1}$(Po)	1813.73 (14)	0.0108 (9)			0.0108 (9)
$\gamma_{28,1}$(Po)	1838.36 (5)	0.343 (10)			0.343 (10)
$\gamma_{12,0}$(Po)	1847.420 (25)	2.025 (12)			2.025 (12)
$\gamma_{29,1}$(Po)	1873.16 (6)	0.212 (8)			0.212 (8)
$\gamma_{13,0}$(Po)	1890.30 (15)	0.078 (4)			0.078 (4)
$\gamma_{30,1}$(Po)	1895.92 (14)	0.146 (8)			0.146 (8)
$\gamma_{31,1}$(Po)	1898.7 (4)	0.049 (8)			0.049 (8)
$\gamma_{32,1}$(Po)	1935.5 (2)	0.032 (7)			0.032 (7)
$\gamma_{35,1}$(Po)	1994.6 (6)	0.0024 (5)			0.0024 (5)
$\gamma_{15,0}$(Po)	2010.78 (12)	0.0434 (17)			0.0434 (17)
$\gamma_{36,1}$(Po)	2021.6 (2)	0.0214 (21)			0.0214 (21)
$\gamma_{37,1}$(Po)	2052.94 (12)	0.069 (4)			0.069 (4)
$\gamma_{38,1}$(Po)	2085.1 (2)	0.0082 (5)			0.0082 (5)
$\gamma_{40,1}$(Po)	2089.7 (2)	0.0443 (22)			0.0443 (22)
$\gamma_{41,1}$(Po)	2109.92 (12)	0.084 (3)			0.084 (3)

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{18,0}$(Po)	2118.55 (3)	1.162 (5)	M1	0.00356 (5)	1.158 (5)
$\gamma_{19,0}$(Po)	2147.9 (2)	0.0134 (13)			0.0134 (13)
$\gamma_{43,1}$(Po)	2160.4 (3)	0.007 (5)			0.007 (5)
$\gamma_{44,1}$(Po)	2176.5 (2)	0.0033 (6)			0.0033 (6)
$\gamma_{20,0}$(Po)	2192.58 (16)	0.038 (3)			0.038 (3)
$\gamma_{21,0}$(Po)	2204.21 (4)	4.929 (23)	M1	0.00333 (5)	4.913 (23)
$\gamma_{48,1}$(Po)	2251.6 (2)	0.0055 (5)			0.0055 (5)
$\gamma_{49,1}$(Po)	2260.3 (2)	0.0087 (4)			0.0087 (4)
$\gamma_{23,0}$(Po)	2266.51 (13)	0.0165 (8)			0.0165 (8)
$\gamma_{50,1}$(Po)	2270.9 (4)	0.0014 (3)			0.0014 (3)
$\gamma_{51,1}$(Po)	2284.3 (2)	0.0050 (4)			0.0050 (4)
$\gamma_{52,1}$(Po)	2287.65 (23)	0.0046 (5)			0.0046 (5)
$\gamma_{24,0}$(Po)	2293.40 (12)	0.306 (4)			0.306 (4)
$\gamma_{53,1}$(Po)	2310.2 (3)	0.0014 (9)			0.0014 (9)
$\gamma_{54,1}$(Po)	2312.4 (2)	0.0086 (8)			0.0086 (8)
$\gamma_{55,1}$(Po)	2319.3 (3)	0.0014 (9)			0.0014 (9)
$\gamma_{56,1}$(Po)	2325.0 (3)	0.0017 (3)			0.0017 (3)
$\gamma_{57,1}$(Po)	2331.3 (2)	0.026 (4)			0.026 (4)
$\gamma_{25,0}$(Po)	2348.0 (13)	0.0014 (9)			0.0014 (9)
$\gamma_{58,1}$(Po)	2353.5 (7)	0.00036 (14)			0.00036 (14)
$\gamma_{26,0}$(Po)	2361.00 (19)	0.0021 (6)			0.0021 (6)
$\gamma_{60,1}$(Po)	2369.0 (4)	0.0028 (4)			0.0028 (4)
$\gamma_{61,1}$(Po)	2376.9 (2)	0.0086 (8)			0.0086 (8)
$\gamma_{62,1}$(Po)	2390.8 (2)	0.00156 (14)			0.00156 (14)
$\gamma_{65,1}$(Po)	2405.1 (5)	0.0011 (7)			0.0011 (7)
$\gamma_{27,0}$(Po)	2423.27 (13)	0.0048 (6)			0.0048 (6)
$\gamma_{69,1}$(Po)	2444.7 (8)	0.008 (4)			0.008 (4)
$\gamma_{28,0}$(Po)	2447.86 (10)	1.550 (7)	E1	0.001424 (20)	1.548 (7)
$\gamma_{70,1}$(Po)	2459.0 (8)	0.00141 (23)			0.00141 (23)
$\gamma_{29,0}$(Po)	2482.8 (4)	0.00096 (18)			0.00096 (18)
$\gamma_{30,0}$(Po)	2505.4 (2)	0.0056 (6)			0.0056 (6)
$\gamma_{77,1}$(Po)	2550.7 (7)	0.00032 (9)			0.00032 (9)
$\gamma_{34,0}$(Po)	2562.0 (6)	0.00018 (9)			0.00018 (9)
$\gamma_{79,1}$(Po)	2564.0 (6)	0.00014 (9)			0.00014 (9)
$\gamma_{35,0}$(Po)	2604.5 (5)	0.00036 (9)			0.00036 (9)
$\gamma_{36,0}$(Po)	2630.9 (3)	0.00086 (23)			0.00086 (23)
$\gamma_{37,0}$(Po)	2662.4 (10)	0.000200 (41)			0.000200 (41)
$\gamma_{38,0}$(Po)	2694.7 (2)	0.033 (3)			0.033 (3)
$\gamma_{40,0}$(Po)	2699.4 (3)	0.00282 (23)			0.00282 (23)
$\gamma_{41,0}$(Po)	2719.3 (2)	0.00170 (17)			0.00170 (17)
$\gamma_{43,0}$(Po)	2769.9 (2)	0.0225 (8)			0.0225 (8)
$\gamma_{44,0}$(Po)	2785.9 (2)	0.0055 (5)			0.0055 (5)
$\gamma_{47,0}$(Po)	2826.98 (20)	0.00218 (17)			0.00218 (17)
$\gamma_{48,0}$(Po)	2861.08 (40)	0.00041 (13)			0.00041 (13)
$\gamma_{50,0}$(Po)	2880.3 (2)	0.0101 (16)			0.0101 (16)
$\gamma_{51,0}$(Po)	2893.5 (2)	0.0057 (5)			0.0057 (5)
$\gamma_{54,0}$(Po)	2921.9 (2)	0.0134 (5)			0.0134 (5)
$\gamma_{55,0}$(Po)	2928.6 (3)	0.00109 (9)			0.00109 (9)

	Energy keV	$P_{\gamma+ce}$ × 100	Multipolarity	α_T	P_γ × 100
$\gamma_{56,0}$(Po)	2934.6 (3)	0.00046 (12)			0.00046 (12)
$\gamma_{60,0}$(Po)	2978.9 (2)	0.0137 (4)			0.0137 (4)
$\gamma_{62,0}$(Po)	2999.98 (20)	0.0089 (7)			0.0089 (7)
$\gamma_{69,0}$(Po)	3053.88 (20)	0.022 (3)			0.022 (3)
$\gamma_{72,0}$(Po)	3081.7 (3)	0.0052 (7)			0.0052 (7)
$\gamma_{73,0}$(Po)	3093.98 (40)	0.00037 (4)			0.00037 (4)
$\gamma_{75,0}$(Po)	3142.58 (40)	0.00118 (9)			0.00118 (9)
$\gamma_{76,0}$(Po)	3149.0 (5)	0.00019			0.00019
$\gamma_{77,0}$(Po)	3160.6 (6)	0.00047 (8)			0.00047 (8)
$\gamma_{80,0}$(Po)	3183.57 (40)	0.0011 (5)			0.0011 (5)

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