

Energy	Decay Information	Intensity	Isotope	Half-life
Photons	Daughter x-rays	absolute & .	mother	isotope &
x-rays	DE/SE/XE, CS/RS	equilibrium	daughter/mother	mother/daughter
in keV	(n,γ), (n,n'γ), ..	in %	induced radiation	equilibrium
<b>bold face:</b>	→ isotope main line(s)	excited states	Ge-interaction	stable
86,105	Fr-K <sub>α1</sub>	1,640E+00	Ac-225	10,0 d
99,890	α-decay, low γ-transitions	1,080E+00	Ac-225	10,0 d
99,890	equilibrium	1,080E+00	Ac-225/Np-237	2,144E+06 y
99,670		7,600E-01	Ac-225	10,0 d
99,670	equilibrium	7,600E-01	Ac-225/Np-237	2,144E+06 y
83,231	Fr-K <sub>α2</sub>	1,000E+00	Ac-225	10,0 d
150,050		6,930E-01	Ac-225	10,0 d
187,960		5,300E-01	Ac-225	10,0 d
62,940		4,900E-01	Ac-225	10,0 d
157,250		3,600E-01	Ac-225	10,0 d
73,850		3,090E-01	Ac-225	10,0 d
87,410		2,710E-01	Ac-225	10,0 d
216,890		3,200E-01	Ac-225	10,0 d
111,500		3,130E-01	Ac-225	10,0 d
108,380		2,550E-01	Ac-225	10,0 d
153,920		2,050E-01	Ac-225	10,0 d
195,740		1,480E-01	Ac-225	10,0 d
145,150		1,460E-01	Ac-225	10,0 d
253,460		1,320E-01	Ac-225	10,0 d
224,590		1,120E-01	Ac-225	10,0 d
99,890		1,080E-01	Ac-225	10,0 d
452,230		1,070E-01	Ac-225	10,0 d
100,860		9,600E-02	Ac-225	10,0 d
123,750		8,700E-02	Ac-225	10,0 d
119,850		8,000E-02	Ac-225	10,0 d
64,270		4,700E-02	Ac-225	10,0 d
197,700		3,800E-02	Ac-225	10,0 d
525,940		3,530E-02	Ac-225	10,0 d
480,850		3,400E-02	Ac-225	10,0 d
96,160		3,300E-02	Ac-225	10,0 d
134,850		3,200E-02	Ac-225	10,0 d
279,180		3,050E-02	Ac-225	10,0 d
124,810		2,920E-02	Ac-225	10,0 d
197,500		2,600E-02	Ac-225	10,0 d
515,130		2,140E-02	Ac-225	10,0 d
63,500		2,100E-02	Ac-225	10,0 d
152,640		1,970E-02	Ac-225	10,0 d
133,600		1,960E-02	Ac-225	10,0 d
73,550		1,900E-02	Ac-225	10,0 d
36,690		1,810E-02	Ac-225	10,0 d
517,510		1,590E-02	Ac-225	10,0 d
10,642		1,500E-02	Ac-225	10,0 d
71,710		1,320E-02	Ac-225	10,0 d
78,800		1,230E-02	Ac-225	10,0 d
38,580		1,070E-02	Ac-225	10,0 d
26,000		1,500E-03	Ac-225	10,0 d
37,900	β-decay, absolute, branch: 0,9862	4,900E-02	Ac-227=>Th-227	21,772 y
37,900	low energy γ-transitions, equilibrium	4,900E-02	Ac-227/U-235	7,038E+08 y
28,570	β-decay, equilibrium	4,200E-02	Ac-227=>Th-227	21,772 y
24,330	β-decay, equilibrium	2,800E-02	Ac-227=>Th-227	21,772 y
86,105	Fr-K <sub>α1</sub>	6,000E-03	Ac-225=>Fr-223	21,772 y
99,600	α-decay, branch: 0,0138, equilibrium	5,600E-03	Ac-227=>Fr-223	21,772 y
160,490	α-decay, branch: 0,0138, equilibrium	4,900E-03	Ac-227=>Fr-223	21,772 y
69,280	α-decay, branch: 0,0138, equilibrium	4,300E-03	Ac-227=>Fr-224	21,772 y
83,231	Fr-K <sub>α2</sub>	3,500E-03	Ac-225=>Fr-223	21,772 y