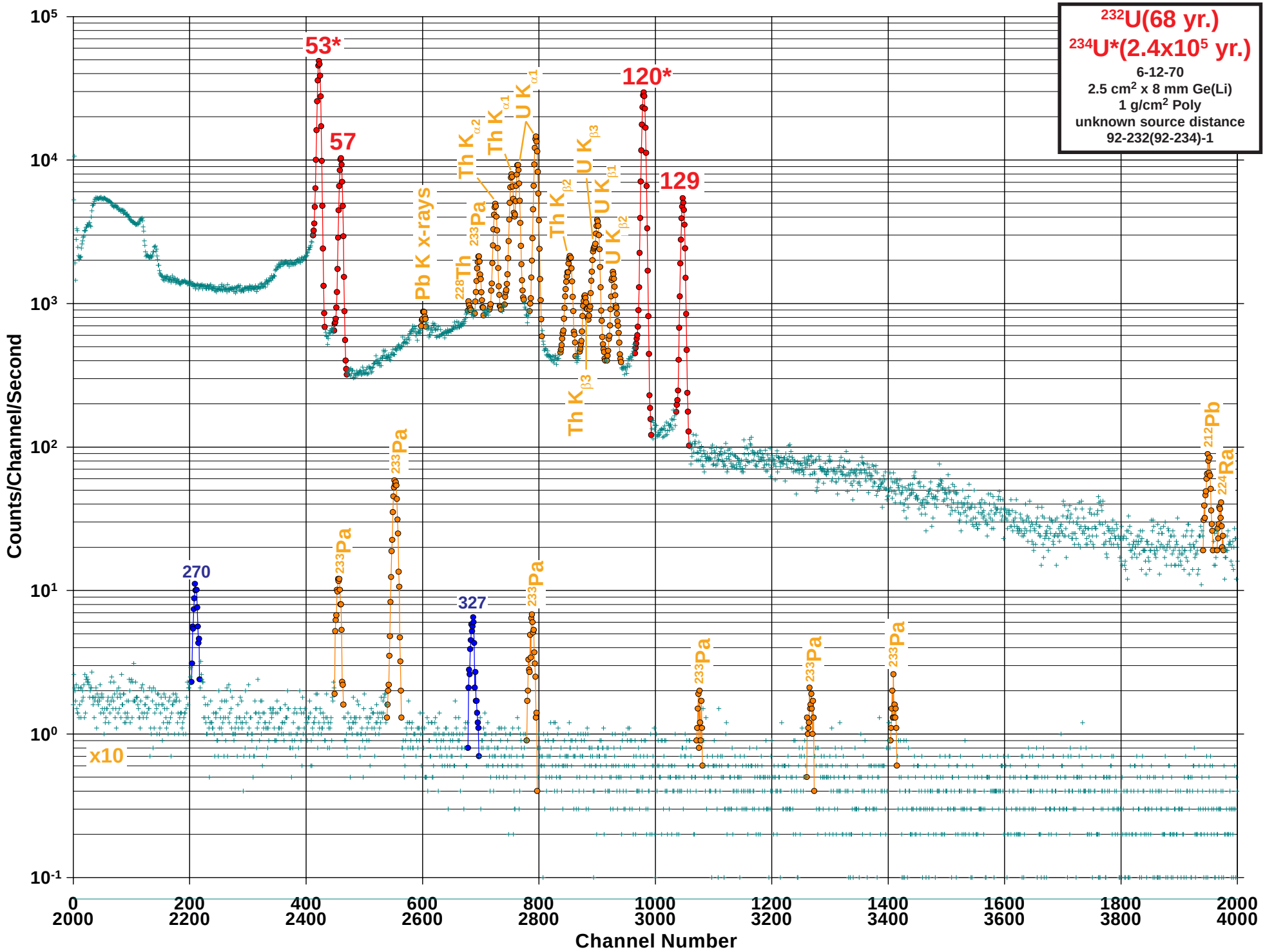
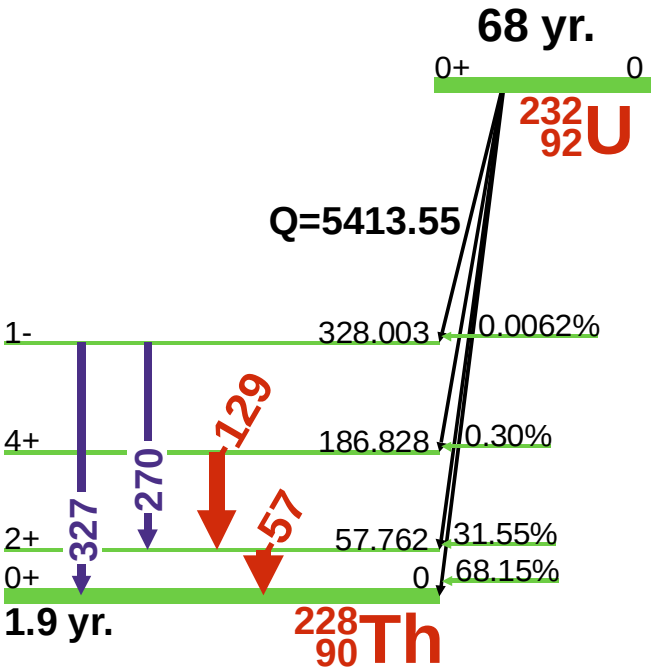
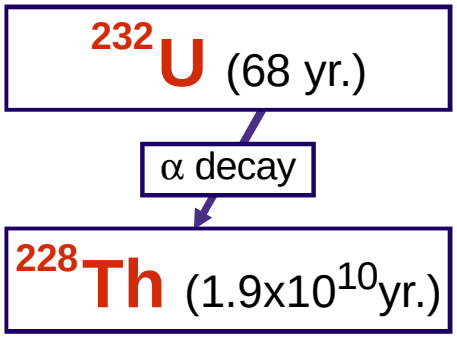

232U(68 yr.)
234U*(2.4x10^5 yr.)
6-12-70
2.5 cm2 x 8 mm Ge(Li)
1 g/cm2 Poly
unknown source distance
92-232(92-234)-1
53*
57
120*
129
Pb K x-rays
228Th
233Pa
Th Kα2
Th Kα1
U Kα1
Th Kβ2
Th Kβ3
U Kβ3
U Kβ1
U Kβ2
212Pb
224Ra
270
327
x10
Counts/Channel/Second
Channel Number

^{232}U(68 yr.) Decay Scheme

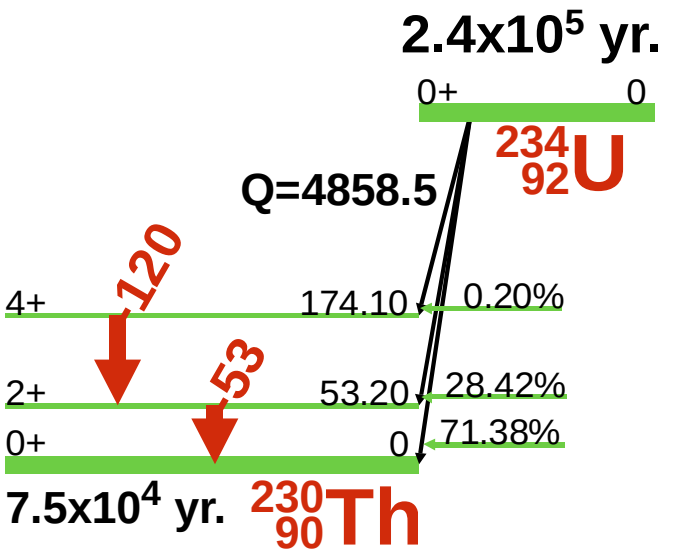


^{232}U Decay Chain

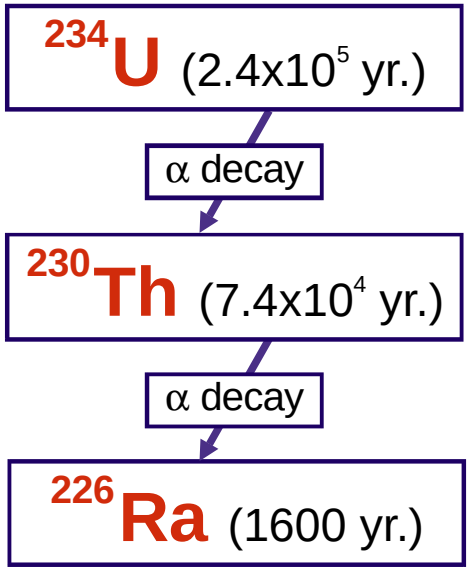


See ^{228}Th for Chain completion

^{234}U(2.4x10^5 yr.) Decay Scheme



^{234}U Decay Chain



See ^{226}Ra for Chain completion

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{232}U - ^{234}U* Half Life: 68.9(4) yr. - 2.457x10^5(3) yr.*
Detector: 2.5 cm^2 x 8 mm Ge (Li) Method of Production: U (m.s.)

	E_γ (keV)	σE_γ	I_γ (rel)	I_γ (%)	σI_γ	S
*	53.2	0.02	100	0.123	0.002	1
	57.78	0.05	100.	0.1999	0.0018	1
*	120.9	0.02	34.2	0.0342	0.0005	1
	129.08	0.05	39.0	0.0682	0.0004	1
	141.0	0.5				4
	191.00	0.20				4
	209.5	0.5				4
	270.20	0.20	18.0	0.0032		2
	327.90	0.20		0.0028	0.0001	2
	332.3	0.3				4
	338.10	0.20				4
*	454.95	0.05				4
	478.0	1.0				4
*	503.5	0.2				4
	503.6	0.3				4
*	508.2	0.05				4
	547.0	1.0				4
*	581.7	0.2				4
*	624.4	0.1				4
*	634.9	0.2				4
*	677.6	0.1				4
	773.4	0.5				4
	817.0	1.0				4
	831.0					4

E_γ, σE_γ, I_γ, σI_γ - 1998 ENSDF Data