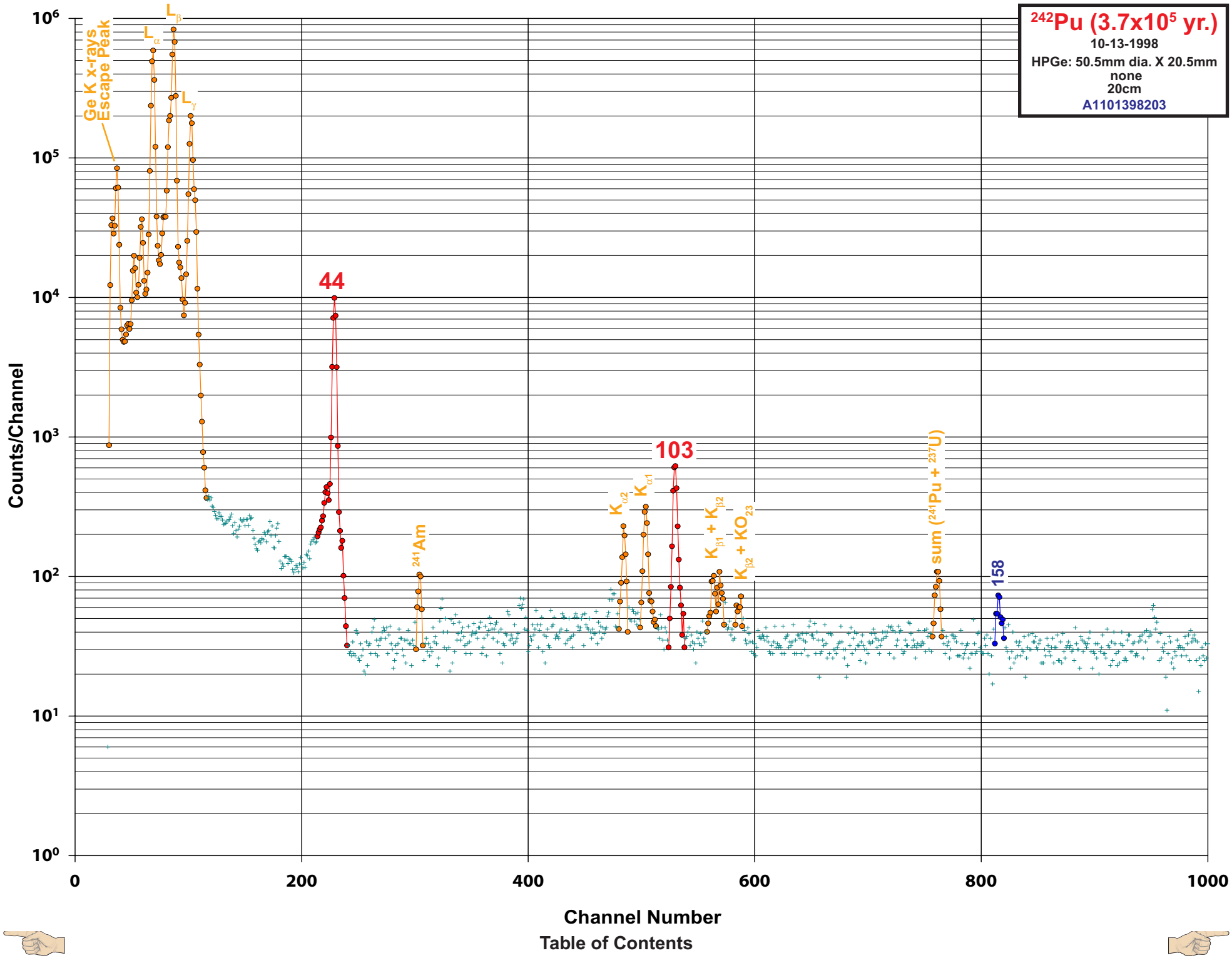

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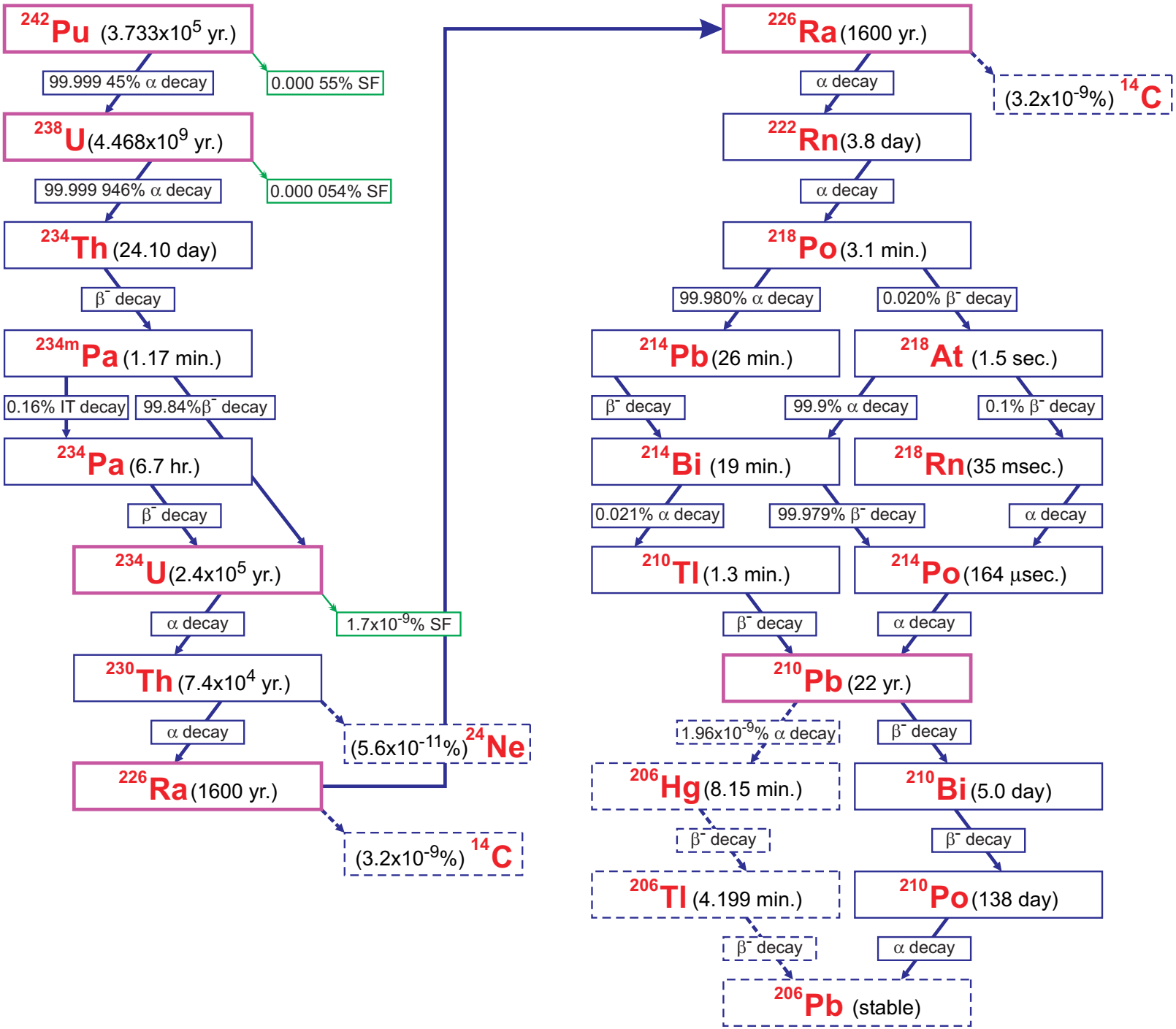
^{242}Pu Decay Chain



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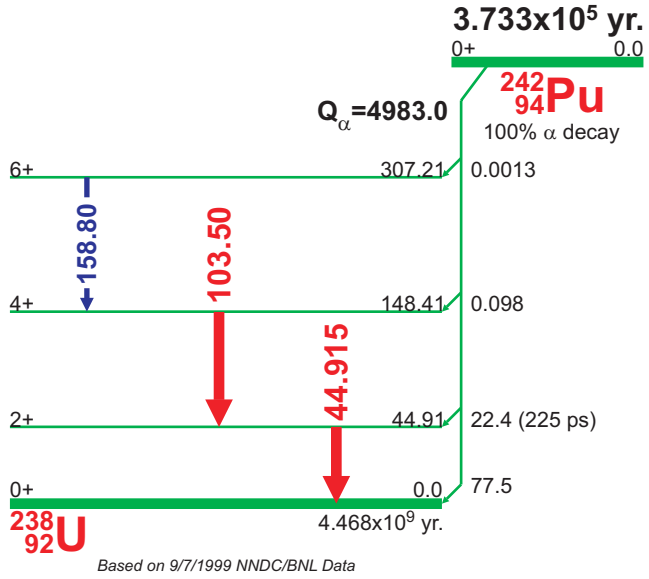
^{242}Pu (3.7x10^5 yr.) Decay Scheme



Based on 9/7/1999 NNDC/BNL Data

GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: ^{242}Pu Half Life: 3.733x10^5(12) yr.

E_γ (keV)	σ E_γ	① I_γ	② σI_γ	Level	
44.915	**0.013**	**0.036**		**44.91**	α
103.50	**0.04**	**0.007 8**	**0.000 8**	**148.41**	α
158.80	0.08	0.000 45	0.000 15	307.21	α

E_γ, σE_γ, I_γ, σI_γ, Levels from ENSDF Database as of September 7, 1999

① These Iγ are per 100 Decays of ^{242}Pu.

② For total uncertainty add systematic component of 13.9% in quadrature, based on the normalization factor 0.00036(5)

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