

An Introduction to Using Neutrinos for Understanding Geodynamics

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Neutrinos from radioactive decays deep in the earth reveal the location of the heating that drives most geodynamics. We will present a sketch of the physics and of the neutrino production, largely from U and Th decay, the neutrino propagation and detection. Only two experiments so far have detected these "geoneutrinos" coming out of the earth, but there are long term plans to study the distribution of the sources. We will discuss current plans and these prospects.

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