

Overview of Neutrino Geoscience

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Radiogenic heating is a key component of the energy balance and thermal evolution of the Earth. Geo-neutrino observations from Japan and Italy are now measuring the radiogenic power of our planet. Although the error on the present measurement is too large to significantly constrain geological models, the potential of geo-neutrino observations is clearly demonstrated. This contribution traces the development of neutrino geosciences and discusses the prospects for geo-neutrino observations to inform geology.

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