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Hanohano: Future deep ocean geo-neutrino measurement
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Neutrinos from the decay chains of Uranium and Thorium from within the Earth's mantle constitute a vital signature of the origin of most of the heat thought to be driving all of geodynamics. The only means conceived as yet to study the magnitude and geographical distribution of the flux of mantle geo-neutrinos is from a large and mobile deep ocean detector. This study cannot be done from crustal locations due to the overwhelming flux of neutrinos from local rocks. We present a description of the Hanohano Project, aimed at opening this new discipline.

キーワード: neutrino, uranium, thorium, geoneutrino, tomography
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