

Recent Results from RENO

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The Reactor Experiment for Neutrino Oscillation (RENO) has been taking data from August, 2011 using the two identical near and far detectors at Hanbit Nuclear Power Plant in Korea. The neutrino mixing angle θ_{13} and the squared mass difference Δm_{ee}^2 have been successfully measured by observing the energy dependent disappearance of reactor antineutrinos tagged by neutron capture by gadolinium. In this talk, improved results of θ_{13} and Δm_{ee}^2 measurements and the first measured value of θ_{13} using neutron capture on hydrogen will be presented. We also briefly report results on the evolution of reactor antineutrino flux and a search for light sterile neutrino mixing.

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