

New Results from RENO

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RENO (Reactor Experiment for Neutrino Oscillation) is the first reactor neutrino experiment which began data-taking using both near and far detectors in 2011. The last unknown neutrino mixing angle θ_{13} in the PMNS matrix was successfully measured in 2012 by RENO using 220 days of data from 6 reactors in Yonggwang, Korea. In 2015 RENO made the first measurement of $|\Delta m_{ee}^2|$ and obtained a more precise measurement of θ_{13} based on the energy dependent antineutrino disappearance using 500 days of data. Roughly 2000 days of data have been accumulated. In this talk we present new results with more statistics and reduced systematic errors.

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