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Updated results on reactor antineutrino oscillation amplitude and frequency for 2900 days at RENO

The RENO experiment has precisely measured the amplitude and frequency of reactor antineutrino oscillaion at Hanbit Nuclear Power Plant since Aug. 2011. The previously measured values based on ~2200 days of data were reported for publication in 2018. Since then, an additional ~700 day data has been analyzed with improved methods to obtain an updated result. The additional data were taken during a period of rather minimal thermal power by the reactors, corresponding to only one or two reactors in operation. In that period, we have measured relatively low fluxes of reactor antineutrinos. In this presentation, we report updated measurement of reactor antineutrino oscillation obtained from the 2900 day data and variation of their measured rates.

Mini-abstract

RENO reported updated measurement of reactor antineutrino oscillation obtained from the 2900 day

Experiment/Collaboration

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