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Daya Bay, Double Chooz and RENO combined analysis.

In this work, we obtain the Daya Bay and RENO confidence regions for the neutrino oscillation mixing angle $\sin^2(2\theta_{13})$ and the effective squared mass difference Δm^2_{ee} in the three neutrino mixing model. This through a global statistical analysis from the public experimental data of the three LBL reactor experiments, Daya Bay, Double Chooz and RENO. Our single results are consistent with those published by the collaborations and corroborate that this statistical analysis improves individual results.

Mini-abstract

Confidence regions for Daya Bay, Double Chooz, and RENO by means of a combined analysis.

Experiment/Collaboration

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