

The Daya Bay Reactor Neutrino Experiment: Prospects

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The neutrino mixing angle θ_{13} is the gateway for studying CP violation in the lepton sector and determines the trend of future neutrino experiments. The Daya Bay Reactor Neutrino Experiment is designed to measure $\sin^2 2\theta_{13}$ to better than 0.01 at 90%~C.L. This will be the most precise measurement of θ_{13} for the foreseeable future. In addition, the configuration of detectors at Daya Bay is well suited for addressing a broad range of topics, from cosmogenic backgrounds to supernovae. This poster will summarize the scientific goals and prospects of Daya Bay.

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