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Latest Results from the Daya Bay Reactor Neutrino Experiment

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Utilizing six powerful nuclear reactors as antineutrino sources and eight identically designed underground detectors for a near-far relative measurement, the Daya Bay Reactor Neutrino Experiment has achieved unprecedented precision in measuring the neutrino mixing angle ⊠13 and the neutrino mass squared difference |Δm2 |. With the largest sample of reactor antineutrino ee interactions ever collected to date, Daya Bay has also performed a number of other measurements in neutrino physics, such as the determination of total reactor antineutrino flux and spectrum, the extraction of individual antineutrino flux and spectra of the two dominant isotopes (235U and 239Pu), as well as a search for sterile neutrino mixing, among others. In this talk, I will present the latest results from Daya Bay.

Collaboration name

Daya Bay collaboration

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