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Recent Results from the Daya Bay Reactor Neutrino Experiment

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The Daya Bay Reactor Neutrino Experiment is designed to precisely determine the mixing parameter theta13 via the relative measurements of antineutrino events by the eight identically designed antineutrino detectors at various baselines. The observation of non-zero theta13 is critical for the search of CP violation in neutrino physics. In this talk, I will present the latest results of the precise measurement of the parameters theta13 and |Dmˆ2_ee|, an independent measurement of theta13 via the neutron capture on hydrogen, the absolute measurement of
the rate and energy spectrum of reactor neutrinos, and a search for sterile neutrino in the mass splitting range of 0.001 eVˆ2 < |Dmˆ2_41| < 0.3 eVˆ2.

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