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Daya Bay Reactor Antineutrino Experiment (presented by Jiajie Ling)

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The neutrino mixing angle θ13 is the gateway to study CP violation and determines the trend of future neutrino experiments. The Daya Bay Reactor Antineutrino Experiment is designed to measure θ13 with a sensitivity of sin^2(2θ13) < 0.01 at 90% C.L, utilizing multiple identical detectors placed underground at different baselines to minimize systematic errors and suppress cosmogenic backgrounds. The experiment published the latest result of sin^2(2θ13) = 0.089 +- 0.010(stat.) +- 0.005(syst.) from six antineutrino detectors collected data. An overview and result will be presented in this talk.

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