

Measurement of θ_{13} at Daya Bay

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The Daya Bay experiment aims to measure the last unobserved neutrino mixing angle θ_{13} with a sensitivity of $\sin^2(2\theta_{13}) < 0.01$ at 90% C.L. The experiment will measure the flux and energy spectrum of reactor antineutrinos through the inverse beta-decay reaction on protons in eight detectors in three underground sites at different distances from the reactor cores. An overview and the current status of the experiment will be discussed.

Summary

This talk will provide an overview of the goals and techniques of the Daya Bay experiment and a discussion of the current construction status.

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