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## Daya Bay Neutrino Experiment: Goal, Progress and Schedule

*Tuesday, 9 August 2011 17:00 (20 minutes)*

The discovery of neutrino oscillation, as a breakthrough in particle physics, motivated the Daya Bay Neutrino Experiment, which is designed to make a precise measurement of the last unknown neutrino mixing angle  $\theta_{13}$ , with a sensitivity 0.01 for  $\sin^2(2\theta_{13})$ , using reactor anti-neutrino from 17.4GW Daya Bay Nuclear Power Plant located in Shenzhen, China. This talk will introduce the goal of this experiment including an overall introduction of site and baseline selection, detector optimization, current construction progress and schedule for expected data taking.

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