

Abstract Submitted  
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**Searching for Theta13 at Daya Bay: Overview, Sensitivity, and Schedule** LISA WHITEHEAD, Brookhaven National Laboratory, DAYA BAY COLLABORATION — The evidence for neutrino oscillations has been well established by solar, atmospheric, reactor, and accelerator experiments. However, one of the three mixing angles,  $\theta_{13}$ , has not been measured. The goal of the Daya Bay reactor neutrino experiment is to measure  $\theta_{13}$ , with a sensitivity in  $\sin^2(2\theta_{13})$  of 0.01 at the 90% confidence level. The Daya Bay experiment will search for the disappearance of reactor antineutrinos from the Daya Bay nuclear power complex located in Shenzhen, China by measuring the antineutrino rate and energy spectrum with identical detectors located at different baselines. An overview of the experiment and the sensitivity prediction will be presented.

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