

# Improved Measurement of Electron-antineutrino Disappearance at Daya Bay

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Many experiments in the last few decades have demonstrated the neutrino's ability to change flavor while traveling through space and time, or oscillate. One of the last remaining unknown parameters describing this oscillation,  $\theta_{13}$ , is crucial in defining the magnitude of CP-violation in the lepton sector and examining the neutrino's role in the universe's matter-antimatter asymmetry. The Daya Bay experiment has measured  $\theta_{13}$  with unprecedented precision by observing disappearance of reactor antineutrinos with identical detectors at multiple reactor distances. This talk will present the most recent results from Daya Bay including more than four full months of three-site physics data.

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