

Abstract Submitted
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The Daya Bay Experiment III: Design, Construction, and Calibration of the Active Water Shield KA VANG TSANG, Lawrence Berkeley National Laboratory, DAYA BAY COLLABORATION — The Daya Bay Experiment aims to measure the neutrino mixing angle θ_{13} precisely. In order to achieve the sensitivity of 0.01 in $\sin^2(2\theta_{13})$, muon has to be identified with the design efficiency of 99.5%. This talk will give an overview on the Daya Bay muon system: Water Cherenkov Detector, and Resistive Plate Chambers (RPCs), its construction and calibration. Performance on real data will be discussed.

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