

Abstract Submitted
for the DNP08 Meeting of
The American Physical Society

The PMT testing system for the Daya Bay Experiment WENQIN XU, UCLA, DAYA BAY COLLABORATION — The Daya Bay Experiment is a neutrino-oscillation experiment designed to measure the mixing angle θ_{13} . The goal of this experiment is a measurement of $\sin^2 2\theta_{13}$ to a precision of 0.01 or better. There are 2304 8" Photomultiplier tubes (PMT) for detecting the inverse-beta decay signals from the antineutrinos and for tagging the cosmic muon events. To insure that the PMTs satisfy the requirements of the experiment, a comprehensive PMT testing system has been designed and developed in UCLA. The design considerations, implementation and performance of the system will be discussed.

Wenqin Xu
UCLA

Date submitted: 29 Jun 2008

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