

Abstract Submitted
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FADC DAQ/Analysis ZAFAR AHMED, Syracuse University, JEFFERSON LAB HALL A PARITY COLLABORATION — This talk presents an introduction to the Flash ADC Data Acquisition(FADC DAQ) system for Moller polarimetry in Hall A of Thomas Jefferson National Accelerator Facility. The Moller polarimeter measures the beam polarization to high precision to meet the specification of the PREx(Lead radius experiment), which plans to measure the neutron radius in lead with a 1% error. The FADC DAQ is part of the upgrade of Moller polarimetry to reduce the systematic error for PREx. The first half of this talk is about hardware setup and the second half covers the results of the analysis.

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