

Abstract Submitted
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An update on the NPDGamma experiment DAVID BLYTH, Arizona State University, NPDGAMMA COLLABORATION — The NPDGamma experiment recently finished collecting roughly two-hundred fifty beam days of data measuring parity violation in the $np \rightarrow d\gamma$ reaction at the ORNL Spallation Neutron Source. The parity-violating directional asymmetry in the emission of prompt gammas from the capture of polarized cold neutrons on a liquid hydrogen target provides a measurement of the NN hadronic weak interaction that is unambiguously related to benchmark DDH model parameters (primarily h_{π}^1) and PV EFT couplings. An overview of the experiment and data selection/reduction challenges will be presented along with an initial low-statistics result. Projected uncertainties in the final result will be discussed taking into account the entirety of beam time at the FNPB dedicated to both hydrogen and background capture measurements.

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