

Abstract Submitted
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An Overview of the NPDGamma Experiment ELISE MARTIN,
University of Kentucky, NPDGAMMA COLLABORATION — The NPDGamma
Experiment uses the parity violation in gamma-ray emission from polarized cold
neutron capture on protons to measure the strength of the weak nucleon-nucleon
interaction. In the meson exchange picture, this reaction is dominated by pion ex-
change. Recently, we completed the first successful data production cycle at the
Spallation Neutron Source at ORNL. I will present an overview of the NPDGamma
experiment, including the motivation for the work, the apparatus, methodology,
issues encountered during the measurement, and recent data taken.

Elise Martin
University of Kentucky

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