

Abstract Submitted
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The NPDGamma Experiment: A Measurement of the h_{π}^1 Coupling in the Hadronic Weak Interaction JASON FRY, University of Virginia, NPDGAMMA COLLABORATION — The NPDGamma Experiment was performed to measure the parity violating (PV) asymmetry in the angular distribution of gammas from polarized neutrons captured on protons at the Spallation Neutron Source in ORNL. This PV asymmetry A_{γ} is proportional to the $\Delta I = 1$ long range weak meson coupling h_{π}^1 between nucleons in the hadronic weak interaction (HWI). Liquid para-hydrogen and aluminum production data concluded in April 2014. We will present an outline of the experiment and discuss the details of the parallel analyses methods and cuts of production data.

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