

Abstract Submitted
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**Measurement of the Background Gamma Spectrum at the SNS
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TION — The NPDGamma experiment is running at the Fundamental Neutron
Physics Beamline (FP13) of the Spallation Neutron Source (SNS). It will measure
the parity violating weak contribution to the long range part of the hadronic inter-
action in the reaction $n + p \rightarrow d + \text{gamma}$. We have measured the background
gamma-ray spectrum in the FP13 experimental area using a high purity germanium
detector. Various sources of background are discussed, including the supermirror
polarizer, and materials in the target and detector array, and their projected effect
on the NPDGamma experiment.

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