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Analysis of Systematic Sources of False Parity Violating Proton Asymmetry in the 3He(n,p)T Reaction JONATHAN SERPICO, IVAN NOVIKOV, Western Kentucky Univ — The 3He(n,p)T experiment in one of four experiments needed to provide information on hadronic weak interaction. The experiment is an ongoing effort at the SNS ORNL. The objective of the experiment is to measure parity violating (PV) spin-dependent proton asymmetry. We have conducted an analysis of systematic sources of PV asymmetry due to neutron energy variations in the beam. The neutron energy dependence of various observables was calculated in the framework of nuclear resonance reaction theory.

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