

Abstract Submitted
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Overview of the n3He Experiment and Target Chamber MARK MCCREA, University of Manitoba, N3HE COLLABORATION — The n3He Experiment aims to measure the parity-violating asymmetry in the direction of proton emission relative to the initial neutron polarization direction in the reaction $\bar{n} + {}^3\text{He} \rightarrow T + p + 765\text{ keV}$ to a high precision. The size of the asymmetry is estimated to be in the range $-9.5 - 2.5 \times 10^{-8}$, and our goal statistical accuracy is 2×10^{-8} . The experiment ran at the Spallation Neutron Source with data taking completing at the end of 2015. The experiment used a Helium-3 ionization chamber as the combined target and detector. Data analysis is underway and is currently in an advanced stage

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