

Abstract Submitted
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FINeSSE, Δ s measurement through neutrino scattering TEPPEI KATORI, Indiana University Cyclotron Facility, FINESSE COLLABORATION — FINeSSE, Fine-grained Intense Neutrino Scintillator Scattering Experiment, is an experiment to measure Δ s (nucleon spin component carried by strange quarks). Δ s is measured through neutrino-nucleon Neutral Current Elastic (NCE) scattering. A novel non-segmented liquid scintillator tracking detector can track low energy and large angled protons which is necessary for the extraction of Δ s. A Δ s measurement using neutrino beam is not only clean and robust theoretically, but also yields the smallest experimental error. An overview of the experiment will be discussed.

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