

Abstract Submitted
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Progress and Expectations for the NIFFTE Fission TPC BRANDON SEILHAN, Lawrence Livermore National Laboratory, NIFFTE COLLABORATION — The Neutron Induced Fission Fragment Tracking Experiment (NIFFTE) aims to improve current neutron-induced fission cross-section measurements through the use of a purpose-built Time Projection Chamber (TPC). Recent improvements to the fission TPC, including a sixfold increase in instrumented area and the capability to determine neutron time-of-flight, improve the ability of the fission TPC to precisely measure fission cross-sections. The current status including updates on the measurement of the cross section ratio for U-238 to U-235 and Pu-239 to U-235 will be discussed.

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