

Abstract Submitted
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An overview of the Neutron Induced Fission Fragment Tracking Experiment (NIFFTE) including first detector performance results RICH BAKER, Cal Poly State University, NIFFTE COLLABORATION — NIFFTE is an exciting new project to make high precision measurements of nuclear fission cross sections using a time projection chamber (TPC). These measurements are expected to enable significant advances in nuclear reactor design and advanced fuel cycle efforts. In my talk, I will give an overview of the physics goals of the experiment and explain how we plan to achieve these goals with the NIFFTE TPC. I will also discuss the current status of the project and present some first detector performance results from data taken this summer and fall.

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