

Abstract Submitted
for the TSF11 Meeting of
The American Physical Society

LUX Dark Matter Search Experiment¹ RACHEL MANNINO, Texas A&M University, LUX COLLABORATION — The Large Underground Xenon (LUX) dark matter search experiment is a two-phase xenon time-projection chamber (TPC) which is positioned to be the most sensitive dark matter detector once it is deployed underground in the fall 2012. I will discuss the design, construction, and current status of the detector as it is being commissioned on the surface and readied for a science run.

¹Texas A&M DOE grant: DE-FG02-95ER40917

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Date submitted: 12 Sep 2011

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