

Abstract Submitted
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The LUX Experiment PATRICK PHELPS, Case Western Reserve University, LUX COLLABORATION — LUX, the Large Underground Xenon experiment, is a 300 kg xenon TPC, designed to directly detect elastic scattering of Weakly Interacting Massive Particles (WIMPs), located in the Davis Cavern at the Sanford Underground Research Facility in South Dakota. LUX has just successfully completed its surface run program and has begun underground deployment to begin its science run in late 2012. In this talk I will review the LUX detector, summarize the currently completed surface commissioning phase, and discuss deployment status and science goals for underground operations.

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