

Abstract Submitted
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Status of LZ Experiment IBLES OLCINA, University of California, Berkeley, HUGH LIPPINCOTT, University of California, Santa Barbara, LZ COLLABORATION — LUX-ZEPLIN (LZ) is a dark matter experiment under construction at the 4850' level of the Sanford Underground Research Facility in Lead, SD. The experiment utilizes a two-phase time projection chamber (TPC), containing seven active tonnes of liquid xenon, to search for dark matter particles. Auxiliary veto detectors, including a liquid scintillator outer detector, improve rejection of unwanted background events in the central region of the detector. LZ has been designed to improve on current best sensitivities by a factor of 50 or more. The detector is currently being commissioned. This talk will report on the current status of LZ.

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