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Status of the LZ dark matter search

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LUX-ZEPLIN (LZ) is a WIMP dark matter search under construction at the 4850' level of the Sanford Underground Research Facility in Lead, South Dakota. The centerpiece of the experiment is a two-phase TPC containing seven active tonnes of liquefied xenon. Rejection of backgrounds is enhanced by a set of veto detectors, including a liquid scintillator Outer Detector. LZ has been designed to explore much of the parameter space available for WIMP models, with excellent sensitivity for WIMP masses between a few GeV and a few TeV. This talk will review the current status of the experiment, and the plans for integration and commissioning in 2018 and 2019. First data is expected in 2020.

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