

Recent results from the LUX-ZEPLIN (LZ) dark matter experiment

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LUX-ZEPLIN (LZ) is a dark matter direct detection experiment operating over a kilometre underground at the Sanford Underground Research Facility in Lead, South Dakota, USA. At its core, the LZ detector consists of a dual-phase xenon time projection chamber, with an active volume containing 7 tonnes. This talk will cover the recent world-leading results from the primary LZ search for weakly interacting massive particles (WIMPs), as well as reporting on the current status of the experiment and searches for other new physical phenomena.

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