

# First Results and Status of the LUX-ZEPLIN (LZ) Experiment

*Thursday, 22 September 2022 11:30 (30 minutes)*

The LUX-ZEPLIN (LZ) direct dark matter detection experiment is currently operating at the Sanford Underground Research Facility (SURF) in Lead, South Dakota. LZ recently set new limits on WIMP-nucleus interactions above  $9 \text{ GeV}/c^2$  with its first science run (SR1). This talk will detail these results, the status and outlook of the project.

**Presenter:** COTTLE, Amy

**Session Classification:** Session 1 (morning)