Contribution ID: **56** Type: **not specified**

Overview and Status of the LUX-ZEPLIN Experiment

Wednesday, 16 June 2021 17:40 (20 minutes)

The LUX-ZEPLIN (LZ) detector consists of a dual-phase xenon time projection chamber designed to directly detect Weakly Interacting Massive Particles (WIMPs) with unprecedented sensitivity, down to a WIMP-nucleon spin-independent cross section of 1.4 x 10^-48 cm^2 for a 40 GeV/c^2 mass in 1000 live days. The experiment is currently in its commissioning phase, with science running expected to begin later this year. This talk will give an overview of the project, and report on its current status.

Speaker

Amy Cottle

Primary author: COTTLE, Amy (University of Oxford)

Presenter: COTTLE, Amy (University of Oxford)

Session Classification: Session 11