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XLZD status

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The XENON-LUX-ZEPLIN-DARWIN (XLZD) project represents the next step in the global effort to directly detect dark matter and explore neutrino physics using 60-80 tonnes liquid xenon time projection chamber. Building on the success of current-generation experiments such as XENONnT and LZ, the XLZD collaboration is designing a detector with unprecedented sensitivity to WIMP-nucleon interactions and neutrinoless double beta decay. In this talk, I will present the scientific goals, design concept of XLZD, and also discuss the current status of R&D efforts.

Collaboration you are representing

XLZD

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