

LZ & XLZD Low-E ER Sensitivity Projections

Wednesday 27 August 2025 18:00 (2 hours)

LUX-ZEPLIN(LZ) and its next generation XENON-LZ-DARWIN(XLZD) are designed to search for dark matter using two-phase liquid xenon time projection chambers. LZ has been processing its WS2024 upper-limits for dark matter candidates, like axion-like particles(ALPs). Meanwhile, XLZD has been projecting sensitivity for several signal's models, including weakly interacting massive particles(WIMPs), solar axion, neutrinos, and ALPs. In this poster, I will show LZ most up-to-date upper-limits and XLZD projected sensitivities for signal models of low-energy electron-recoil(ER) group.

Collaboration you are representing

Author: ZHANG, Huan

Presenter: ZHANG, Huan

Session Classification: Poster session

Track Classification: Dark Matter and Its Detection