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## **Kaixuan Ni (UCSD): Analyzing the XENON1T Dark Matter Search Data**

*Friday, 23 February 2018 08:00 (15 minutes)*

XENON1T is the largest running liquid xenon detector for searching dark matter at Gran Sasso underground laboratory. The detector has been running in a stable condition for about one year and is delivering record-breaking exposure for dark matter direct detection. In this talk, I will present the details on the data reconstruction, selection, calibration and background analyses, leading towards the most sensitive dark matter search results up-to-date.

**Presenter:** NI, Kaixuan

**Session Classification:** Session 12