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# First Results from the XENON1T Dark Matter Experiment

*Thursday 6 July 2017 09:30 (15 minutes)*

XENON1T is a dual-phase time-projection chamber, designed to detect dark matter particle interactions within a 2-ton liquid-xenon target with unprecedented sensitivity. The detector, located at the Laboratori Nazionale del Gran Sasso, has been fully operational since May 2016, including regular calibrations, background studies, and a continuously improving xenon purity. The ongoing acquisition of science data began in November 2016. A summary of the status, detector performance, and new results from the first science run of the XENON1T experiment will be presented.

## Experimental Collaboration

XENON

**Author:**   Dr GALLOWAY, Michelle (Universität Zürich)

**Presenter:**   Dr GALLOWAY, Michelle (Universität Zürich)

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