

## **XENONnT: first WIMP search results**

*Friday 31 March 2023 08:30 (15 minutes)*

The XENONnT experiment searches for signs of dark matter and physics beyond the Standard Model within a 5.9-tonne xenon target instrumented as a two-phase time projection chamber. I will report about the status of the experiment and present its early physics results.

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**Session Classification:** SESSION 10: Direct Detection: status of liquid/gas WIMP detectors (CHAIR: Alvine Kamaha -UCLA)

**Track Classification:** Non-directional direct dark matter detection