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## **XENON: New Results and Prospects**

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The XENON dark matter project aims at finding direct evidence for the scattering of weakly interacting massive dark matter particles (WIMPs) with nuclei in an ultra-low background liquid xenon detector. The XENON100 detector, located at LNGS in Italy, collected dark matter data between 2008 and 2014, producing some of the best limits in the field. In this talk, we present new results from the last science run of the detector, including tests on previously claimed observations of annual modulation. The next generation detector, XENON1T, is presently being commissioned at LNGS and the first data taking of the experiment is expected to start by the end 2015. We will summarize the current status and physics reach of the experiment.

### **Oral or Poster Presentation**

Oral

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**Session Classification:** AstroParticle, Cosmology, Dark Matter Searches, and CMB

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