Contribution ID: **106** Type: **Talk**

Jianglai Liu (Shanghai Jiao Tong U.): PandaX status and prospects

Friday 23 February 2018 08:15 (15 minutes)

The Particle and Astrophysical Xenon (PandaX) is a series of xenon-based ultra-low background experiments in the China Jinping underground Laboratory, aiming to search for Weakly-interacting massive particles (WIMPs) and to study neutrino properties. PandaX-II, with a 580-kg liquid xenon TPC currently under operation, is one of the leading WIMP direct detection experiment. In this talk, I shall present an overview of the project, discuss recent results from PandaX-II, and give an outlook into the future.

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Session Classification: Session 12