

## dark matter searches with PandaX experiment

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PandaX experiment uses xenon as target to detect weak and rare physics signals, including dark matter and neutrinos. We are running a new generation detector with 4-ton xenon in the sensitive volume, PandaX-4T. The commissioning run data has pushed the constraints on WIMP-nucleon scattering cross section to a new level. In this talk, I will give an overview of PandaX-4T latest results on dark matter physics, with some novel channels to explore the physics capability of xenon detector. I will also briefly discuss the future prospects of PandaX.

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