Contribution ID: 170 Type: Talk

Dark matter direct detection with PandaX experiment

Wednesday 26 March 2025 08:00 (15 minutes)

Located at the China Jinping Underground Laboratory, the PandaX experiment employs xenon as a target to detect rare physics signals, such as dark matter and neutrinos. The PandaX-4T, the latest generation detector featuring a 4-ton xenon target volume, commenced data collection in 2020. One of our objectives is to unravel the nature of dark matter by investigating various potential signatures. In this talk, I will present the most recent results of the dark matter search using the PandaX-4T physics run data, and also give a brief overview of the future prospects of the PandaX experiment.

Presenter: Prof. ZHOU, Ning (Shanghai Jiao Tong University (CN))

Session Classification: SESSION 10: Direct Detection: status of liquid/gas WIMP detectors