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Recent results from the PandaX-4T experiment

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The PandaX-4T experiment, located at the China Jinping Underground Laboratory, is a dual-phase xenon direct dark matter detection experiment utilizing 4 tons of liquid xenon as the target material in its sensitive volume. As of now, the total data exposure in PandaX-4T is approximately 1.6 ton-years, starting from 2020. Using the data, we have searched for multiple dark matter candidates and studied neutrino physics. In this talk, I will provide an overview of the PandaX-4T detector and discuss the recent physics progress from the experiment.

Primary author: CUI, Xiangyi (Shanghai Jiao Tong University)

Presenter: CUI, Xiangyi (Shanghai Jiao Tong University)

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