

# The ionization-signal-only analysis and results in PandaX-4T experiment

*Wednesday, 10 July 2024 15:40 (20 minutes)*

The ionization-signal-only can lower the energy threshold of the liquid xenon time projection chamber. In this talk, we will report the results of light dark matter searching with ionization-signal-only in the PandaX-4T experiment. In addition, we investigated the source of the dominant backgrounds, including cathode and micro-discharging backgrounds, in ionization-signal-only events with PandaX-4T data.

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