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Neutrino physics with the PandaX-4T detector

Saturday, 9 July 2022 12:45 (10 minutes)

PandaX-4T is a large-scale multi-purpose experiment currently taking data at China Jin Ping underground Laboratory. Besides dark matter direct detection, the detector can be used to detect double beta decay of Xe-136 and neutrinos from the Sun with 4T of natural xenon in the active volume. In this talk, we will present the status of PandaX-4T's current data taking, analysis effort to extend the region of interest beyond the traditional dark matter search, as well as the expected physics reach in neutrino physics.

In-person participation

No

Primary author: HAN, Ke (Shanghai Jiao Tong University)**Presenter:** HAN, Ke (Shanghai Jiao Tong University)**Session Classification:** Neutrino Physics**Track Classification:** Neutrino Physics