

XeSAT2023 - International Workshop on Applications of Noble Gas Xenon to Science and Technology



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Overview of PandaX-4T experiment

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The nature of dark matter has always been pursued in the fields of cosmology and particle physics. PandaX dark matter direct detection experiment established since 2009 has been operated for three phases with 120-kg to 4-ton target liquid xenon. The PandaX-4T experiment, located at China Jinping Underground Laboratory II (CJPL-II), started its data taking since 2020 and have been released the first commissioning result for the dark matter and neutrino analysis. In this talk, I will introduce the PandaX-4T experiment overview, its main technical improvements, operation conditions, and brief physical results.

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Classification de Session: Direct Dark Matter - session 1, Chair Elisabetta Luigia Barberio