

Computation in PandaX-4T

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PandaX-4T is a 4-tonne scale liquid xenon experiment located in CJPL. It aims to search for elusive dark matter particles, Majorana neutrinos and astrophysical neutrinos. PandaX-4T has completed the detector construction and the subsequent commissioning run in 2021, and more physics data are being collected and analyzed now. To fulfill the requirements for multiple physics topics, a series of computation technologies have been explored and realized throughout the entire process of the PandaX-4T experiment. In this talk, I will present the details of data acquisition, processing, slow control, data analysis, simulation, and related support tools in PandaX-4T.

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