

Searching for Solar Boron-8 Neutrinos via Coherent Elastic Neutrino-Nucleus Scattering with PandaX-4T Experiment

The PandaX-4T experiment employs a liquid xenon detector to probe rare signals from both dark matter and neutrinos. Based on the dataset from science runs, we perform search for the coherent elastic neutrino-nucleus scattering (CEvNS) signals induced by solar neutrinos from Boron-8 decays. In this talk, I will present the analysis strategy and latest progress of CEvNS searches using PandaX-4T data.

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