

Recent Results from the PandaX-II Dark Matter Experiments

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The particle physics nature of the dark matter is one of the top unknowns in physics. The Particle and Astrophysical Xenon (PandaX) project is a series of xenon-based experiments in the China Jin-Ping Underground Laboratory (CJPL). The first and second stage experiments (PandaX-I and II) both utilize dual-phase xenon time-projection chamber to carry out direct search for the dark matter particles. PandaX-II, a half-ton scale experiment, is currently under operation. In this talk, after a brief introduction, I shall focus on the recent progress on PandaX-II and present preliminary results from its latest physics run.

Summary

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