

Status and prospects of CDEX

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The China Dark Matter Experiment (CDEX) pursues direct searches of light dark matter particles and neutrinoless double beta decay at the China Jinping Underground Laboratory (CJPL), which is the deepest operating laboratory for astroparticle research.

The CDEX employs germanium semi-conductor detector which has low energy threshold and excellent energy resolution. We report the latest novel physics results from CDEX-1 and CDEX-10 and describe the physics goals, progress and key technologies of the ongoing CDEX-50m and CDEX-300u programs, which are aimed at the dark matter search and neutrinoless double beta decay, respectively.

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