

Cold Dark Matter Searches with the CDMS-II Experiment

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The CDMS-II collaboration operates an experiment at the Soudan Mine, Minnesota to directly detect cold dark matter in the form of Weakly Interacting Massive Particles. The detectors are Ge (and Si) crystals of mass 250 g (100 g) cooled to 30 mK. The athermal phonon readout utilizes superconducting Al films connected to tungsten transition edge sensors. The latest CDMS-II results will be presented, and our future WIMP-search plans will be discussed.

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