

Abstract Submitted
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The Cryogenic Dark Matter Search II: Current Run Status ANGELA REISSETTER, University of Minnesota, CRYOGENIC DARK MATTER SEARCH COLLABORATION — The CDMSII experiment has proven the merits of using germanium crystals and tungsten transition-edge sensors in searching for dark matter WIMPs, obtaining the world's most sensitive upper limits on the WIMP-nucleon cross-section of $1.6 \times 10^{-43} \text{ cm}^2$ from its exposure of twelve detectors (1.5 kg Ge) in 2004. These ZIP (Z(depth)-sensitive Ionization and Phonon) detectors use phonon and ionization measurements to discriminate between electron-recoil backgrounds and nuclear-recoil signal. Currently in the Soudan Underground Laboratory, twenty-nine detectors (4.5 kg Ge) have been commissioned and are taking data. This talk will focus on the current run, including operational improvements, calibrations, and overall data quality and detector performance.

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