

Recent Results from WIMP-search analysis of CDMS-II data

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The Cryogenic Dark Matter Search experiment (CDMS-II), operated at Soudan Underground Laboratory, employs an array of germanium and silicon low-temperature particle detectors to identify nuclear recoils from elastic scattering of Weakly Interacting Massive Particles (WIMPs). These detectors record the phonon and ionization depositions of each particle impact, data which are used to discriminate WIMP candidates from electromagnetic background. CDMS-II has been operating with its full complement of detectors since October 2006, and has already published a world-leading limit on WIMP interactions from the first portion of this data set. I will present the current results of this search, including the status of our newest blind analysis of data acquired from July 2007 through September 2008.

Primary author: Mr AHMED, Zeeshan (Caltech)

Co-author: CDMS COLLABORATION, – (–)

Presenter: Mr AHMED, Zeeshan (Caltech)

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