

Abstract Submitted  
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**Status and WIMP Sensitivity of the Current CDMS Run** JEFFREY FILIPPINI, University of California, Berkeley, CDMS COLLABORATION — The Cryogenic Dark Matter Search (CDMS) uses low-temperature detectors to search for interactions of weakly interacting massive particles (WIMPs). The CDMS II experiment is currently acquiring data with its full complement of 30 semiconductor detectors at Soudan Underground Laboratory, promising an order of magnitude increase in experimental reach. To do so the experiment must discriminate against background particle interactions with extremely high accuracy. This talk will describe the status and projected sensitivity of CDMS II's current run, focusing on the discrimination techniques that suppress backgrounds during long detector exposures. This talk will be the second of a sequence of four from CDMS.

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