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Full Reach of CDMS-II Ge Data THOMAS HOFER, University of Minnesota, CDMS COLLABORATION — The CDMS-II experiment was a dark matter direct-detection experiment using cryogenic (∼50 mK) Si and Ge detector technologies. The original 2009 publication of results from the 2007-08 Ge data indicated 2 candidate events during a raw exposure of 612 kg-days. Since then, the raw data have been reprocessed with a post-unblinding modification to the pulse reconstruction algorithm, which improves timing for energies near threshold. I will present several analyses utilizing a full reprocessing of the CDMS-II 10 keV threshold Ge data. These include a "standard" CDMS analysis procedure in addition to procedures involving advanced nuclear-recoil / surface event discrimination and a likelihood approach. These analyses yield better expected sensitivities than the 2009 analysis, mostly due to improved analysis efficiencies from the improved charge reconstruction.

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