

Recoiling Against the Dark Universe: CDMS Dark Matter Search

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Dark Matter accounts for most of the matter in the universe, but its signature remains elusive. Weakly Interactive Massive Particle (WIMP) is the most favored candidate, based on astro and particle physics motivations. CDMS experiment, operating in an underground mine in northern Minnesota, attempts to directly detect the extraordinarily rare signature of a WIMP scattering off cryogenically cooled Ge and Si detectors. Exciting new technologies will dramatically improve the search sensitivity and will be complementary to LHC searches for the Supersymmetric WIMPs.