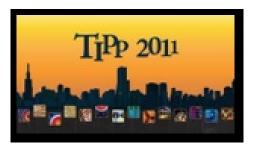
TIPP 2011 - 2nd International Conference on Technology and Instrumentation in Particle Physics



Contribution ID: 163

Type: Oral Presentation

Cryogenic Dark Matter Search Experiment: Status and Plans

Monday 13 June 2011 14:40 (30 minutes)

The Cryogenic Dark Matter Search (CDMS) experiment is designed to search for Dark Matter in the form of Weakly Interacting Massive Particles (WIMPs). CDMS deploys semiconductor detectors, based on Ge or Si substrates with ionization and phonon sensors, which provide very effective event-by-event rejection of the dominant electromagnetic backgrounds. The detectors are operated at cryogenic temperatures (50 mK) deep underground at the Soudan Underground Laboratory. I will summarize the latest results obtained by the CDMS II experiment at Soudan. I will also discuss the plans to increase the sensitivity and the total detector mass in the future runs of the SuperCDMS and GEODM experiments.

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Track Classification: Dark Matter Detectors