

The SuperCDMS Experiment

Thursday, 14 June 2012 15:15 (15 minutes)

I will talk about the new SuperCDMS experiment. Using 10 kg of ultra cold (50 mK) Germanium detectors, this experiment will look for Dark Matter in the Soudan Underground Laboratory. Apart from being a traditional Dark Matter search, we also explore a novel low threshold search for light Dark Matter. We call this new search, CDMSlite. I will go over the motivation, detector physics and science of the SuperCDMS and CDMSlite experiments.

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