

Abstract Submitted  
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**CDMS WIMP detector Fabrication Optimization** ANDREW JASTRAM, Texas A&M University, CDMS COLLABORATION — Less than 20% of the matter content in the Universe is made up of what we know as ordinary matter, the rest is dominated by Dark Matter. The major candidate constituent of Dark Matter is the Weakly Interacting Massive Particle (WIMP). The Cryogenic Dark Matter Search (CDMS) experiment uses photo-lithographically patterned Ge detectors with Transition Edge Sensors (TES) that are operated at 50mK temperature, to look for possible recoil with the slow moving WIMPs in our galaxy. This talk will present recent advances in the detector technology with a new dedicated nano-fabrication facility set up at Texas A&M University.

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