

SuperCDMS

Tuesday 10 May 2022 14:00 (30 minutes)

The Super Cryogenic Dark Matter Search (SuperCDMS) experiment uses cryogenic semiconductor detectors instrumented with superconducting transition edge sensors to search for interactions caused by low-mass dark matter particles. In this talk I will describe the detection principle, experimental setup, and calibration and energy reconstruction techniques used by SuperCDMS that allow it to have excellent sensitivity to light dark matter.

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