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SuperCDMS in 10 Minutes

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Dark matter is a hypothetical form of matter that, if it exists, may account for more than a quarter of the energy density of our universe. Despite the variety of astrophysical evidence pointing to its existence, the direct interaction of dark matter in a terrestrial detector is yet to be observed. The Super Cryogenic Dark Matter Search (SuperCDMS) experiment tries to observe a dark matter signal in silicon and germanium detectors operated around 50 milliKelvin. In this talk, I will discuss the technology, the current status, and the projected sensitivity of the next generation SuperCDMS experiment.

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