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SuperCDMS and CUTE at SNOLAB

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The Super Cryogenic Dark Matter Search (SuperCDMS) experiment is preparing for its next phase to be deployed at SNOLAB. Cryogenic detectors with their excellent resolution and potentially very low energy threshold are particularly suited to search for dark matter particles with masses below about $10 \text{ GeV}/c^2$. After a reminder of the basic ideas behind the SuperCDMS detector technology, this presentation will focus on the status and plans for SuperCDMS at SNOLAB. These include a Cryogenic Underground detector Test facility (CUTE) which is presently under construction, and will allow us to test a number of detector properties that cannot be investigated in the presence of environmental background at the rates found in the existing SuperCDMS detector test facilities above ground.

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