

## **CUTE - a low-background cryogenic facility for kg-scale experiment**

*Wednesday 12 May 2021 11:00 (20 minutes)*

The Cryogenic Underground Test facility (CUTE) –developed as a test facility for devices that require low temperatures ( $\sim 10$  mK) and low backgrounds –is operational at SNOLAB since 2019. Particular care was also taken in providing a low-noise and low-vibration environment for the experimental setup. This presentation discusses the features and performance of the facility, the current operation for testing SuperCDMS detectors and the plans for a first dark matter search with these detectors, as well as possible future uses for the testing of other cryogenic devices (e.g. particle detectors or Q-bits) or small scale rare event searches.

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**Session Classification:** SNOLAB Future Capabilities