

The Cryogenic Underground TEst (CUTE) facility at SNOLAB

Thursday, June 27, 2024 3:00 PM (20 minutes)

The Cryogenic Underground TEst (CUTE) facility at SNOLAB, provides an opportunity for its users to test and operate their devices in a low-background environment at cryogenic temperatures. CUTE uses a dilution refrigerator to reach a base temperature of ~12mK, and can hold a payload of up to 20 kg. The facility has been used to test detectors for SuperCDMS and is transitioning to become a SNOLAB user facility. The main design features of CUTE will be discussed in this talk along with a brief overview of the past, current and future projects at this facility.

Primary author: Dr IYER, Vijay (University of Toronto)

Presenter: Dr IYER, Vijay (University of Toronto)

Session Classification: Project and Experiment Support