



Contribution ID: 100

Type: Talk

## Status and plans for the DAMIC experiment at SNOLAB and Modane

*Friday, July 27, 2018 9:50 AM (20 minutes)*

The DAMIC (Dark Matter in CCDs) experiment employs the active silicon of low-noise charge-coupled devices (CCDs) as a target to search for a variety of dark matter candidates with masses below 10 GeV. An array of seven 675- $\mu\text{m}$  thick CCDs with a target mass of  $\sim 40$  grams has been collecting data at SNOLAB since early 2017. The collaboration has engaged in an extensive campaign of characterization efforts to understand the response of these CCDs to low-energy nuclear recoils and their unique capabilities, including the use of high spatial resolution for both the rejection and study of backgrounds. This talk will discuss the devices and the current status of the DAMIC at SNOLAB experiment, as well as plans for the next-generation experiment, which will deploy 1 kg of improved CCDs to the Modane Underground Laboratory.

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**Session Classification:** 5.1 Plenary

**Track Classification:** Direct Detection