

## The DAMIC Experiment at SNOLAB

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Millimeter-thick charge-coupled devices (CCDs) are outstanding particle detectors. Although initially developed for near-infrared astronomy, the low pixel noise also makes them the most sensitive detectors to signals from ionizing radiation. By virtue of their very low energy threshold ( $<100$  eV of ionizing energy) and their unique capabilities for background characterization based on their high spatial resolution, CCDs are poised to become the leading technology in the search for a wide variety of dark matter candidates with masses in the range  $1 \text{ eV}/c^2 - 10 \text{ GeV}/c^2$ . I will present the status of the DAMIC100 experiment, an ongoing direct dark matter search consisting of an array of 16 Mpixel CCDs hosted in the SNOLAB underground laboratory. I will also discuss the recent progress toward DAMIC-1K, a lower-radioactivity 1-kg CCD dark matter detector with an ionization threshold of 2 electrons.

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