

Abstract Submitted  
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**Preliminary results from the DAMIC-100 Dark Matter Experiment** KARTHIK RAMANATHAN, Univ of Chicago, DAMIC COLLABORATION — The DAMIC (Dark Matter in CCDs) experiment utilizes high resistivity, scientific grade CCDs to search for particle Dark Matter. With a demonstrated combination of low electronic noise of  $1.6 e^-$ , an ionization response threshold of  $35 eV_{ee}$ , and high spatial resolution of particle interactions, the experiment is uniquely sensitive to low-mass Dark Matter candidates with masses below  $10 \text{ GeV } c^{-2}$ . We present here results from a dark matter search using the first few months of science run data of the current iteration of the experiment, DAMIC-100 - now operational at SNOLAB, and place preliminary WIMP-nucleon cross section limits.

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