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DAMIC results and its current status

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DAMIC (Dark Matter in CCDs) is a dark matter search experiment running in SNOLAB, Canada. Results of the first run of DAMIC at SNOLAB will be discussed, with particular emphasis on its demonstrated sub-keVr threshold and characterization of the measured radioactive backgrounds. Comparisons to a MCNP-based detector simulation will be presented. These results suggest that a 100 g version of DAMIC at SNOLAB, with its low-threshold, event characterization and in-situ measurement of radioactive backgrounds, is well-suited to probe the low mass WIMP region of the potential CDMS-Si and CoGeNT signals.

Summary

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Primary author: Ms ZHOU, Jing (The University of Chicago)

Co-author: Mr CHAVARRIA, Alvaro (Kavli Institute of Cosmological Physics)

Presenter: Ms ZHOU, Jing (The University of Chicago)

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