

# The search for light dark matter with DAMIC-M

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The DAMIC-M (Dark Matter In CCDs at Modane) experiment will use skipper CCDs to search for low mass (sub-GeV) dark matter underground at the Laboratoire Souterrain de Modane (LSM). With about 1kg of silicon target mass and sub-electron energy resolution, the detector will surpass the exposure and threshold (eV-scale) of previous experiments. As such, DAMIC-M will have world-leading sensitivity to a variety of “hidden sector” dark matter candidates. In this talk, we will report on science results from a prototype detector, test performance of CCD modules, and the status of the detector construction at LSM.

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