

The search for light dark matter with DAMIC-M

Wednesday, May 15, 2024 5:20 PM (20 minutes)

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 a kg-scale silicon target mass and sub-electron energy resolution, the detector will surpass the exposure and threshold of previous experiments. Thus, DAMIC-M will have world-leading sensitivity to a variety of “hidden sector” candidates. In this talk, we will report on science results from a prototype detector and the status of the detector construction.

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Session Classification: Dark Matter

Track Classification: Dark Matter