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DAMIC experiment for low mass dark matter in CCDs

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The DAMIC (Dark Matter In CCDs) experiment is an experiment using silicon sensors, with low-noise readout to detect dark matter. DAMIC is operated in SNOLab, and is currently being upgraded with 100 grams of thicker, lower noise CCDs, as well as improved shielding for DAMIC 100 which will be operational in 2016. I will discuss preliminary DAMIC 2014 results, expected DAMIC 100 results, and the potential for DAMIC-1 kg to reach close to the neutrino floor for masses below 10 GeV.

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