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CMB constraints on dark matter

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Measurements of the CMB angular spectrum have been critical in establishing the validity of the Λ CDM model on large scales but these observations give very little information about the particle nature of the dark matter. In my talk, I'll show that one can actually constrain the DM microphysics using the measured CMB spectra and the next generation of large-scales surveys (e.g. DESI, LSST).