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Cosmological reconstruction of gravity

Monday, 5 July 2021 16:30 (20 minutes)

We use the CMB, BAO, SN and galaxy weak lensing data to jointly reconstruct the effective dark energy density and the two phenomenological functions (mu and Sigma) describing possible modified gravity effects in the evolution of large scale structure. I will focus on the dependence of such reconstructions on the underlying assumptions (priors) and their implications for dark energy and modified gravity theories.

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Session Classification: Dark Energy and the Accelerating Universe

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