



Contribution ID: 30

Type: **not specified**

Constraining cosmological models with the effective field theory of large-scale structures

Thursday 4 May 2023 14:20 (20 minutes)

In this talk, I will present the paradigm of the effective field theory of large-scale structures (EFTofLSS) and how it can be used to constrain cosmological models. First I will discuss the consistency of this theory and its predictive power, and then I will present the constraints of the EFTofLSS applied to BOSS and eBOSS data on the Λ CDM model as well as on some alternative models that allow to resolve the cosmological tensions.

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Session Classification: Late Universe