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

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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 within the Λ CDM model, and then I will present the constraints of the EFTofLSS applied to BOSS and eBOSS data on some alternative cosmological models.

Orateur: SIMON, Théo (Montpellier Universe and Particles Laboratory - CNRS)