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Type: **Talk in a parallel session**

Structure formation in shift-symmetric Galileon models

Tuesday, 9 July 2024 17:00 (18 minutes)

In this talk I will present the evolution of perturbations in a sub-class of Horndeski models characterised by shift symmetry, considering a very general parametrisation of the background. I will show how the free background parameters affect the evolution of the perturbations and present results on the halo mass function and how we can use it to distinguish these models from the standard Λ CDM cosmology.

Primary author: PACE, Francesco (University of Torino)

Presenter: PACE, Francesco (University of Torino)

Session Classification: Theories of gravity: alternatives to the cosmological and particle standard models

Track Classification: Alternative Theories (AT): Theories of gravity: alternatives to the cosmological and particle standard models