Contribution ID: **94** Type: **Talk (in-person)**

Inflation models embedded in Lee-Wick theories

Thursday 8 September 2022 10:00 (30 minutes)

Cosmological models supported by Lee-Wick theories have the interesting feature of a cosmological bounce that solves the singularity problem. Besides, non-canonical fields, which are present in these theories, may be invoked to provide scenarios of dark energy or inflation. In inflation, some desirable features are present, such that the slow-roll conditions and the tensor- to-scalar relationship are more easily satisfied compared to canonical inflationary models. We present here work in progress concerning an inflationary model that includes higher derivatives in the scalar field. We explore the effect of these higher derivatives on its effective potential and its decay process, in the framework of warm inflation.

Author: PICCINELLI BOCCHI, Gabriella (Universidad Nacional Autónoma de México)

Presenter: PICCINELLI BOCCHI, Gabriella (Universidad Nacional Autónoma de México)