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Double field inflation of generalized dilaton-axion models with a new Fayet-Iliopoulos (FI) term

Thursday, 5 December 2019 15:00 (3 hours)

In this talk, we are going to talk about inflation dynamics by KKLT-like model modified by a new Fayet-iliopoulos (FI) term. KKLT model, motivated by superstring theory, gives the AdS vacuum, which is phenomenologically forbidden. Although previous studies solved this problem by adding a D3 bar or D7 contribution to uplift the vacuum to zero, it is not flat enough to provide the initial slow-roll environment. In this talk, we show that a new FI term without R gauged symmetry can provide this. We also show the parameters of dS vacuum and inflation dynamics.

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Session Classification: Poster