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LPENS Particle physics phenomenology and cosmology

Vendredi 7 Juin 2024, 14 :00
LPENS, E239 - LPENS - 24 rue Lhomond 75005 PARIS
Domaines : hep-ph

Titre : *Inflation models with the Higgs and baryogenesis*

Orateur : **Yann Cado (LPTHE, Sorbonne)**

Résumé : *Although the* Λ*CDM model is the most complete model of modern cosmology to date, it still lacks a compelling description of the baryonic matter origin and of the cosmological inflationary period. In this talk, I will present the implications of the inflaton coupling to the Chern-Simons density in various scenarios, focusing on the role played by the Higgs sector in the baryogenesis and preheating capabilities.*
