Contribution ID: **606** Type: **Plenary talk**

Cosmic inflation and the primordial universe

Monday 28 August 2023 10:00 (30 minutes)

I will provide a review of Cosmic Inflation, currently our most compelling explanation for the initial conditions of the universe. Cosmic inflation predicts the existence of small initial fluctuations in the curvature field distributed according to a Gaussian statistics, and responsible for both the large-scale structure of the universe and the observed anisotropies within the cosmic microwave background. My talk will focus on the recent progress to address the generation of primordial non-Gaussianity during cosmic inflation. If detected by forthcoming cosmological surveys, such deviations could offer invaluable insights into the dynamics and interactions of various fields during inflation.

Submitted on behalf of a Collaboration?

No

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