



Contribution ID: 233

Type: **not specified**

High-Scale Supersymmetry, Inflation, and Leptogenesis

Tuesday 24 August 2021 11:35 (20 minutes)

In this talk, I discuss cosmological models that account for both inflation and the generation of net baryon asymmetry in the context of high-scale supersymmetry. Two different classes of inflationary models can be distinguished in which the gravitino mass is above or below the inflationary scale. When supersymmetry is broken at some high scale, the inflationary potential may be perturbed, which places restrictions on the model of inflation and supersymmetry breaking scale. Finally, I present the mass spectra of the inflationary sector and examine both thermal and non-thermal leptogenesis in high-scale supersymmetry.

Primary author: VERNER, Sarunas (University of Minnesota)

Presenter: VERNER, Sarunas (University of Minnesota)

Session Classification: Split SUSY and High-Scale SUSY

Track Classification: Split SUSY and High-Scale SUSY