XIII Mexican School of Particles and Fields



Contribution ID : 28

Type : not specified

Unification of inflation and dark matter

Monday, 6 October 2008 19:30 (0:45)

Abstract content

We review the conditions for a single field to be responsible for inflation and dark matter in the Universe, and the observational constraints that should be accomplished for that purpose. As an example, we take a minimally coupled scalar field endowed with a quadratic potential; we shall show that this model seems to require a second period of inflation in order to satisfy the observational constraints on dark matter.

Summary

Primary author(s): Dr. UREÑA, Luis (IFUG)
Presenter(s): Dr. LUIS, Ureña (IFUG)
Session Classification: Cosmology