



Contribution ID : 948

Type : **Oral presentation**

Transplanckian masses in inflation

Thursday, 3 July 2014 12:00 (18)

We postulate that the need of transplanckian masses that single field inflation seems to need to accommodate experimental data can be due to the fact that we “force” our scalar field to be minimally coupled to gravity. Although it is true that the field itself is a “dummy” variable and one is always free to make a field redefinition to the Einstein frame (where the field is minimally coupled) such a redefinition may not be innocent. It may be hiding for example non minimal couplings to gravity or modified gravity scenarios.

Summary

Primary author(s) : Prof. BARENBOIM, Gabriela (University of Valencia and IFIC)

Co-author(s) : VIVES, Oscar (IFIC)

Presenter(s) : Prof. BARENBOIM, Gabriela (University of Valencia and IFIC)

Session Classification : Astroparticle Physics and Cosmology

Track Classification : Astroparticle Physics and Cosmology