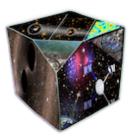
PPC 2018: XII International Conference on Interconnections between Particle Physics and Cosmology



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Cosmology of Fibre Inflation Models

Monday, 20 August 2018 15:00 (30 minutes)

I will describe several features of type IIB Fibre Inflation models like:

(i) how to construct a chiral global embedding into consistent Calabi-Yau orientifold compactifications;

(ii) the presence of an inflaton upper bound from the Kahler cone conditions;

(iii) the details of perturbative reheating and the associated production of dark radiation;

(iv) the generation of primordial black holes during inflation and their contribution to dark matter;

(v) open issues with light axionic spectator fields during inflation.

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Academic position

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Session Classification: Early universe cosmology