Contribution ID: **52** Type: **not specified**

Moduli stabilisation and inflation in a Type IIB/F-theory framework

Tuesday, 25 June 2019 14:30 (15 minutes)

The problem of moduli stabilisation and inflation are discussed in type IIB/F-theory. Considering a configuration of three intersecting D7 branes with fluxes, it is shown that higher loop effects induce logarithmic corrections to the Kaehler potential which can stabilise the Kaehler moduli. When a new Fayet-Iliopoulos term is included, it is also possible to generate the required number of e-foldings and satisfy the conditions for slow-roll inflation.

Presenter: LEONTARIS, Georgios (University of Ioannina (GR))

Session Classification: Parallel Session