

DE MADRID AL COSMOS

Higher derivative actions and inflation in string theory

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Fecha:

Lunes 11 de enero
16:00 h.

Lugar:

Sala de Seminarios FT-I
Facultad de CC. Físicas, UCM

Abstract: In this talk I will explore some aspects of higher derivative (>2) supergravity actions. I will review how the vacua and scalar potential of the bosonic sector of type IIB string compactifications can get modified in the presence of such corrections and will use them to build a viable inflationary model, where the inflaton is a geometric modulus, parametrising the size of the compactification space.

Ciclo de seminarios organizado conjuntamente por los grupos

- *Teorías Efectivas en Física Moderna* (UCM)
- *Gravitación y Cosmología* (IEM-CSIC)