

Soft susy breaking in moduli stabilised IIB string compactifications

Friday, 28 August 2015 09:00 (30 minutes)

Abstract:

A phenomenological analysis is performed regarding the soft susy breaking scenarios obtained by moduli stabilised compactifications of IIB string theory in which soft terms can be computed explicitly. Sequestered and unsequestered scenarios are discussed. In particular late cosmological decay of moduli fields put strong phenomenological constraints on susy dark matter scenarios that are contrasted with current and future experimental constraints.

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Session Classification: Plenary

Track Classification: Plenary Talks