



SPEAKER: Henning Samtleben

TITLE: Kaluza-Klein spectrometer from exceptional field theory

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PLACE:

ABSTRACT

I review new tools for the computation of Kaluza-Klein mass spectra associated with compactifications around various background geometries relevant for string theory. This includes geometries with little to no remaining symmetries, hardly accessible to standard methods. The new tools build on exceptional field theory, the duality covariant formulation of supergravity. Among the applications I discuss the stability of several non-supersymmetric AdS4 and AdS3 vacua, as well as Kaluza-Klein spectra around type IIB S-fold backgrounds.

Organized by INFN & DFA - DR. DAVIDE CASSANI