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Supersymmetry in the adjoint representation of the conformal superalgebra

Tuesday 10 January 2023 14:50 (20 minutes)

We present a model based on an implementation of supersymmetry where matter fields are in the adjoint representation. We will discuss some of the details of the construction. We present a GUT model based on the conformal superalgebra. We present exact black-hole solutions, gravitating spinor solutions and non-trivial gauge configurations. We discuss the issue of anomalies in the context of GUT models.

Presenter: ALVAREZ, Pedro

Session Classification: Parallel session A

Track Classification: Beyond The Standard Model Physics