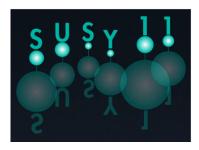
Supersymmetry 2011 (SUSY11)



Contribution ID: 422 Type: not specified

Electroweak constraints on non-minimal UED and split UED

Tuesday, 30 August 2011 15:00 (25 minutes)

Models with Universal Extra Dimensions provide one of the simplest extra dimensional extensions of the Standard Model which incorporates a dark matter candidate and can provide a rich LHC phenomenology which strongly resembles SUSY signals. The minimal UED Kaluza Klein Spectrum can be modified in two ways: by operators which are localized at the orbifold fixed points (non-minimal UED) or by five-dimensional fermion mass terms (split UED). We show that and how both these options strongly modify the electroweak precision constraints on UED.

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Session Classification: Parallel Session 6