



Contribution ID: 4

Type: **not specified**

Phenomenological implications of dilaton susy breaking in the NMSSM

Monday 7 April 2014 10:35 (20 minutes)

Summary

We studied the low energy consequences in the NMSSM when supersymmetry is broken by the dilaton field. This is quite a general setup of string scenarios and can yield to the phenomenology we know from the LHC, i.e. the Higgs mass, dark matter and masses for the sparticles consistent with the present bounds.

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Session Classification: Theoretical Particle Physics