



Contribution ID: 22

Type: **not specified**

Phenomenology of light stops

Wednesday 2 October 2013 14:15 (45 minutes)

Naturalness arguments favor the stop squarks to be relatively light. Renormalization group running and left-right mixing reduce the mass of the lighter stop eigenstate. Even in the MSSM one stop can be very light, if the other one is sufficiently heavy. Light stops can reduce the LSP relic density through co-annihilation. The collider phenomenology of light stops can be quite different from that of the other squarks.

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Session Classification: SM Precision Physics & SUSY - Topical Talks 2/3