



Contribution ID: 392

Type: **Parallel Sessions**

SUSY fits: Implications of LHC data on Constrained SUSY Models

Thursday 5 July 2012 14:30 (15 minutes)

We present the latest results of the MasterCode collaboration on global SUSY fits.

Currently available experimental data are used to determine the preferred SUSY and Higgs boson mass scales. The data comprise a combination of high-energy SUSY searches, low-energy precision measurements and astrophysical data. We include all relevant LHC searches for SUSY, electroweak precision observables such as the W boson mass and the anomalous magnetic moment of the muon, B physics observables such as $\text{BR}(b \rightarrow s \gamma)$, as well as the cold dark matter density in the Universe.

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Session Classification: TR2 - Plenary 3 - Beyond the Standard Model - SUSY

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