



Contribution ID: 119

Type: **Parallel Talk**

## SUSY confronts LHC data

*Friday 8 June 2012 14:30 (20 minutes)*

The current searches at the LHC have set strong bounds on the masses of gluinos and the squarks of the first and second generation. At the same time, the hints of a Higgs boson at 125 GeV imply some degree of fine-tuning from radiative corrections to the lightest Higgs mass. Moreover, the rate into photons seems to be enhanced with respect to the SM, while the ZZ channel is reduced (albeit the SM is still compatible at the 2-sigma level).

In this talk I will review how the previous issues can be addressed. If the stop is about a couple-hundred GeV, the SUSY still remains as a natural solution to the hierarchy problem.

I will also show how the MSSM can accommodate a 125 GeV Higgs and also how extensions of the MSSM can alleviate the fine-tuning on the Higgs mass. I will also discuss recent literature, showing how both in the MSSM and its extensions one can find suitable ways to accommodate the measured Higgs rates into photons and Z bosons.

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**Session Classification:** 5E: (Parallel) SUSY

**Track Classification:** Supersymmetry