



Contribution ID: 721

Type: talk

Prospects for SUSY discovery after the LHC Run 1

Thursday, July 23, 2015 2:30 PM (12 minutes)

We present the prospects for SUSY searches after Run 1 of the LHC, based on a global fit in the phenomenological MSSM with 10 parameters (pMSSM10). Particular care has been taken regarding the implementation of the most important limits obtained from the SUSY searches at Run 1 of the LHC. The information from the observed Higgs signal, limits from Higgs searches, as well as constraints from electroweak precision data, flavour physics, cosmological data and direct searches for dark matter are also taken into account. The best-fit region indicates good prospects for SUSY searches at the upcoming Run 2 of the LHC and at a future e^+e^- colliders.

The talk will be based on arXiv:1504.03260 and updates thereof.

This talk is submitted on behalf of the MasterCode collaboration. It is not clear yet who will actually give the talk.

Primary author: WEIGLEIN, Georg (Deutsches Elektronen-Synchrotron (DE))

Presenter: BAGNASCHI, Emanuele Angelo (DESY Hamburg)

Session Classification: Higgs and New Physics

Track Classification: Higgs and New Physics