



OAW

Austrian Academy
of Sciences

INVITATION

HEPHY-SMI seminar on
fundamental interactions and symmetries

SEZEN SEKMEN

CERN

SUSY through the eyes of LHC

ABSTRACT:

The LHC has yet seen no sign of new physics. Our current task is to understand the impact of this absence on the candidate new physics models. Supersymmetry stands out as a very well-motivated new physics model, but it is a generic idea that has diverse realizations. Still, most of this diversity can be addressed by a sufficiently generic 19-dimensional parameterization of the MSSM, called the phenomenological MSSM (pMSSM) which captures a wide range of the supersymmetry phenomenology. In this talk, I will introduce the pMSSM, and describe the global Bayesian analysis we did that allowed us to draw generic conclusions on how the current data constrain the MSSM. Such an analysis also provides us input for designing the next phase of the LHC SUSY searches.

DATE:

Wednesday, 03.04.2013 - 11:00 s.t.

VENUE:

Institute for High Energy Physics
1050 Wien, Nikolsdorfer Gasse 18
Library, 1st Floor

<http://www.smi.oeaw.ac.at/groups/hephysmiseminar/>



Stefan-Meyer-Institut
für subatomare Physik



HEPHY
Institut für Hochenergiephysik

