Contribution ID: **2** Type: **Methods & tools**

Tackling SUSY beyond the MSSM

Tuesday 15 May 2018 11:00 (15 minutes)

I will give a short summary how non-minimal supersymmetric models can be studied nowadays with a comparable precision as the MSSM or NMSSM. The setup is based on the Mathematica package. SARAH generates fully automatically a modified SPheno version for a given model which calculates for instance the Higgs masses at the two-loop level and which makes prediction for the most important flavour and precision observables. Also an interface to HiggsBounds/HiggsSignals exists. The obtained spectrum files can be used together with other outputs of SARAH to perform Monte-Carlo or dark matter studies using well established tools.

Presentation

Talk given in person

Presenter: STAUB, Florian (KIT - Karlsruhe Institute of Technology (DE))

Session Classification: Methods & Tools