

# The pMSSM11 in light of current LHC results

*Tuesday 15 May 2018 15:00 (15 minutes)*

We present the current perspectives for SUSY, given the public Run 2 results, in a phenomenological Minimal Supersymmetric Standard Model scenario with eleven parameters (pMSSM11).

The study, from the MasterCode collaboration, includes the most important limits on SUSY coming from searches at the runs 1 and 2 of the LHC, as well as the compatibility with the observed Higgs signal, constraints coming from electroweak precision data and flavor physics. Cosmological data and direct searches for dark matter are also taken into account. Particular attention has been given to the impact of the constraint coming from the current measurement of anomalous magnetic moment of the muon.

## Presentation

Talk given in person

**Authors:** BAGNASCHI, Emanuele Angelo (DESY Hamburg); MASTERCODE COLLABORATION

**Presenter:** BAGNASCHI, Emanuele Angelo (DESY Hamburg)

**Session Classification:** (Re)interpretation studies