

SUSY DM predictions for Direct Detection Experiments, the LHC and future colliders

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We perform a fit of various SUSY models (with a WIMP DM candidate) to experimental data from LHC searches, astrophysical data, low-energy and flavor observables.

Based on this analysis we give predictions for the prospects of Direct Detection experiments, ongoing LHC searches and future collider searches.

We stress the complementarity of the various searches to determine the nature of DM.

Summary

We will present the latest fit results obtained by the MasterCode collaboration, in SUSY models such as CMSSM, NUHM, SU(5), AMSB or pMSSM.

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