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Precision predictions for supersymmetric dark matter

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The dark matter relic density has been measured by PLANCK and its predecessors with an accuracy of about 2%. We present theoretical calculations with DM@NLO in NLO SUSY QCD and beyond, which allow to reach this precision for gaugino and squark (co-)annihilations, and use them to scan the phenomenological MSSM for viable regions, applying also low-energy, electroweak and hadron collider constraints.

Summary

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