

SQUARK PAIR PRODUCTION AT NEXT-TO-LEADING ORDER

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The search for supersymmetry is a central task of the Large Hadron Collider. Precise theoretical predictions for SUSY particle production is required for the correct interpretation of the LHC data.

This talk will present NLO corrections in supersymmetric-QCD to the pair production of squarks. This process is presented in a flexible partonic Monte Carlo, allowing for investigation of differential distributions.