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SUSY parameters determination with ATLAS

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We present how parameters such as mass and spin of SUSY particles can be measured at the LHC. The measurements of kinematical distributions, such as edges in the invariant mass of leptons and jets, are used to constrain the model of supersymmetry that we may discover at the LHC. We provide examples from a few points in the mSUGRA scenario and give emphasis to measurements that can be conducted within the first few years of data taking.

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