

Reconstruction techniques in supersymmetry searches with soft objects in the ATLAS experiment

Friday 31 July 2020 12:30 (15 minutes)

Many supersymmetric scenarios feature final states with non-standard final state objects. When considering compressed scenarios, involving sparticle spectra with small mass-splittings and decays to low-momentum leptons or jets, analyses depend on novel methods for the reconstruction of these very soft particles. This talk will review the application of innovative techniques, including soft lepton reconstruction and soft b-hadron tagging, to supersymmetry searches in ATLAS.

I read the instructions

Secondary track (number)

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