

26th International Conference on Supersymmetry and Unification of Fundamental Interactions (SUSY2018)



Contribution ID: 105

Type: **Talk (closed)**

Reconstruction techniques in supersymmetry searches in the ATLAS experiment

Monday, July 23, 2018 3:40 PM (20 minutes)

Many supersymmetric scenarios feature final states with non-standard final state objects. The production of massive sparticles can lead to the production of boosted top quarks or vector bosons, high-pt b-jets. At the same time, transitions between nearly mass-degenerate sparticles can challenge the standard reconstruction because of the presence of very soft leptons or jets. The talk will review the application of innovative reconstruction techniques to supersymmetry searches in ATLAS.

Parallel Session

Supersymmetry: Models, Phenomenology and Experimental Results

Author: LIU, Jesse (University of Oxford)

Presenter: LIU, Jesse (University of Oxford)

Session Classification: Supersymmetry: Models, Phenomenology and Experimental Results