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Search for squark and gluino production in hadronic final states

Tuesday, 12 April 2016 11:00 (15 minutes)

Weak scale supersymmetry is one of the best motivated and studied extensions of the Standard Model. The recent increase in the center of mass energy of the proton-proton collisions gives a unique opportunity to extend the sensitivity to production of supersymmetric particles at the Large Hadron Collider.
This talk summarises recent ATLAS results on searches for supersymmetric squarks and gluinos, including third generation squarks produced directly or via decay of gluinos. The searches involved final states containing jets (possibly identified as coming from b-quarks), missing transverse momentum and no leptons.

Primary author: Prof. ORESTANO, Domizia (Roma Tre University and INFN)

Presenter: BESJES, Geert Jan (University of Copenhagen)

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