

DIS 2015 - XXIII. International Workshop on Deep-Inelastic Scattering and Related Subjects

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Supersymmetry searches in ATLAS

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Despite the absence of experimental evidence, weak scale supersymmetry remains one of the best motivated and studied Standard Model extensions. This talk summarises recent ATLAS results for searches for supersymmetric (SUSY) particles. Weak and strong production in both R-Parity conserving and R-Parity violating SUSY scenarios are considered. The searches involved final states including jets, missing transverse momentum, light leptons, taus or photons, as well as long-lived particle signatures. Sensitivity projections for the data that will be collected in 2015 are also presented.

Presenter: MELONI, Federico (Universitaet Bern (CH))

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