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## **Inclusive searches for squarks and gluinos in lepton channels with the ATLAS detector (15' + 5')**

*Thursday, 4 August 2016 10:00 (20 minutes)*

Despite the absence of experimental evidence, weak scale supersymmetry remains one of the best motivated and studied Standard Model extensions. 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 inclusive searches for promptly decaying supersymmetric squarks and gluinos in events containing jets, missing transverse momentum and electrons or muons.

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**Session Classification:** Beyond the Standard Model

**Track Classification:** Beyond the Standard Model