

## **SUSY Third Generation Squarks Searches**

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Weak scale supersymmetry stands as one of the most studied and motivated Standard Model extensions. Even though no experimental evidence for it has been reported so far, many searches are still ongoing, in both ATLAS and CMS experiments. Signs of supersymmetry are searched in various topologies that lead to events with abnormal production of missing transverse momentum, jets, leptons and gauge bosons among others. In this talk I will summarize the latest results obtained in these searches, performed on a data sample recorded at 8 TeV center-of-mass energy by the ATLAS experiment at the LHC, with special focus on third generation squark searches. I will also present some prospects for benchmark searches at the high luminosity LHC.