



Contribution ID: 206

Type: not specified

Searches for electroweak production of supersymmetry, supersymmetry in resonance production, R-parity violating signatures and events with long-lived particles with the ATLAS detector

Monday 4 May 2015 18:00 (15 minutes)

This talk presents the latest ATLAS results in the context of electroweak production of SUSY particle, R-Parity violating SUSY scenarios, and scenarios with long-lived SUSY particles. The results presented use the full 20/fb of $\sqrt{s}=8\text{TeV}$ p-p collisions collected by the ATLAS experiment in 2012. The prompt searches consider final states including leptons, jets (including b-jets) and missing energy, whereas the dedicated searches for long lived SUSY particles utilize abnormal specific energy loss, appearing or disappearing tracks, displaced vertices, long time-of-flight or late calorimetric energy deposits.

Primary author: PAIS, Preema Rennee (University of Massachusetts (US))

Presenter: PAIS, Preema Rennee (University of Massachusetts (US))

Session Classification: SUSY II

Track Classification: SUSY