Contribution ID: **33** Type: **Poster presentation**

Search for direct production of electroweak gauginos in events with two same-sign or three leptons in 13 TeV pp collision data with the ATLAS detector

Wednesday 7 September 2022 19:10 (20 minutes)

A search for supersymmetry (SUSY) through the production of electroweak gauginos in final states with two leptons with the same-sign electric charge or at least three leptons is presented. The analysed dataset corresponds to 139 fb-1 of proton-proton collision data collected at centre-of-mass energy of 13 TeV with the ATLAS detector at LHC. No significant excess over the Standard Model (SM) prediction is observed. Results are interpreted in terms of different R-parity conserving and R-parity violating models, and exclusion limits at 95% CL are set on the masses of the superpartners involved in the benchmark scenarios. Model-independent upper limits on the BSM events that may contribute to the signal regions defined in the analysis are also estimated.

Internet talk

No

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ATLAS

Is the speaker for that presentation defined?

Yes

Details

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