



Contribution ID: 39

Type: Talk

Searches for electroweak production of supersymmetric particles with the ATLAS detector

Thursday, July 20, 2023 11:25 AM (25 minutes)

The direct production of electroweak SUSY particles, including sleptons, charginos, and neutralinos, is a particularly interesting area with connections to dark matter and the naturalness of the Higgs mass. The small production cross-sections and challenging experimental signatures lead to difficult searches. This talk will highlight the most recent results of searches performed by the ATLAS experiment for supersymmetric particles produced via electroweak processes, including analyses targeting small mass splittings between SUSY particles.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ATLAS

Is the speaker for that presentation defined?

No

Details

N/A

Internet talk

Maybe

Author: PETERS, Krisztian (Deutsches Elektronen-Synchrotron (DE))

Co-author: CAI, Yuchen (Chinese Academy of Sciences (CN))

Presenter: CAI, Yuchen (Chinese Academy of Sciences (CN))

Session Classification: High Energy Particle Physics

Track Classification: Main topics: High Energy Particle Physics