



Contribution ID: 236

Type: Parallel talk

## Searches for electroweak production of supersymmetric particles involving the Higgs boson and the higgsino with ATLAS

*Thursday, July 11, 2019 10:15 AM (15 minutes)*

Fine-tuning arguments suggest the mass of the supersymmetric partner of the Higgs boson, the higgsino, is not too far from the weak scale. The search for higgsinos represents an experimental challenge due to the near mass-degeneracy resulting in soft decay products, and the low production cross section. This talk presents recent ATLAS results of analyses explicitly targeting the higgsino with a variety of experimental techniques, as well as searches for electroweak production of supersymmetric particles in final states involving the Higgs boson.

**Primary author:** JUSTE ROZAS, Aurelio (ICREA and IFAE (ES))

**Presenter:** ALONSO, Francisco (National University of La Plata (AR))

**Session Classification:** Searches for New Physics

**Track Classification:** Searches for New Physics