Contribution ID: 393 Type: talk

Search for chargino pair-production and chargino-neutralino production with R-Parity Violating decays in pp collisions at \sqrt{s} = 13 TeV with ATLAS

Monday 12 July 2021 14:45 (15 minutes)

A search is presented for chargino pair-production and chargino-neutralino production, where the almost mass-degenerate chargino and neutralino each decay via R-Parity-violating couplings to a boson (W/Z/H) and a charged lepton or neutrino. This analysis searches for a trilepton invariant mass resonance in data corresponding to an integrated luminosity of 139 fb⁻¹ recorded in proton-proton collisions at \sqrt{s} = 13 TeV with the ATLAS detector at the Large Hadron Collider at CERN.

Are you are a member of the APS Division of Particles and Fields?

No

Authors: FLORES, Lucas Macrorie (University of Pennsylvania (US)); DANDOY, Jeff (University of Pennsylvania (US)); DYCKES, Ian (University of Pennsylvania (US)); SCHAEFER, Leigh Catherine (University of Pennsylvania (US)); THOMSON, Evelyn Jean (University of Pennsylvania (US))

Presenter: FLORES, Lucas Macrorie (University of Pennsylvania (US))

Session Classification: Beyond Standard Model

Track Classification: Beyond Standard Model Physics