



Contribution ID: 120

Type: **not specified**

Searches for direct supersymmetric gaugino production with the ATLAS detector

Wednesday 28 March 2012 11:06 (18 minutes)

Naturalness arguments for weak-scale supersymmetry favour supersymmetric partners of the Higgs and electroweak gauge bosons, so-called gauginos, with masses not too far from those of their Standard Model counterparts. Gauginos with masses less than a few hundred GeV can give rise to direct pair production rates at the LHC that can be observed in the data sample recorded in 2011 by the ATLAS detector. The talk presents results from searches for direct gaugino production in final states with leptons and missing transverse momentum.

Author: Prof. OREGLIA, Mark (University of Chicago (US))

Presenter: HEELAN, Louise (University of Texas at Arlington (US))

Session Classification: Electroweak and searches

Track Classification: Electroweak and searches