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Searches for supersymmetric gaugino production in final states with leptons with the ATLAS detector

Thursday, 5 July 2012 16:00 (15 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 gaugino production in final states with leptons.

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