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Searches for direct supersymmetric gaugino production and R-parity violation in final states with leptons with the ATLAS detector

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Abstract:

We present results from searches for the supersymmetry in events with leptons based on data recorded in 2011 by the ATLAS detector at the Large Hadron Collider. Leptonic signatures have sensitivity to the direct gaugino production and also scenarios with the R-parity violation, which are not necessarily well covered in searches with the “multijet and missing transverse energy” signatures.

Author: OKAWA, Hideki (University of California Irvine (US))

Presenter: OKAWA, Hideki (University of California Irvine (US))

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