# Contribution submission to the conference Karlsruhe 2011

**Background Estimation from Data for Inclusive Supersymmetry Searches with the ATLAS detector** — •Vadym Zhuravlov, Michael Flowerdew, and Hubert Kroha — Max-Planck-Institut für Physik, München, Germany

New limits on or even discovery of supersymmetric particles at the LHC rely on detailed understanding of the Standard Model backgrounds. We estimate the background contributions from the data itself with minimum dependence on Monte Carlo simulation. A data-driven determination of the W and top pair production backgrounds for supersymmetric particles is presented using the 7 TeV proton-proton collision data collected by the ATLAS detector in 2010.

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| **Part:** | T |
| **Type:** | Vortrag;Talk |
| **Topic:** | 2.12 Supersymmetrie: Suche nach neuen Teilchen (Exp.) |
| **Email:** | vadym.zhuravlov@cern.ch |