Contribution ID: 65

Type: not specified

## **Standard Model and Top Physics with ATLAS**

Thursday, 6 December 2012 12:45 (45 minutes)

The ATLAS collaboration has performed studies of a wide range of Standard Model physics processes in pp collisions. Recent measurements of soft particle to hard photon and jet production, which are sensitive to QCD phenomena, are presented. Drell-Yan, vector boson and diboson production cross sections are also discussed, together with constraints on anomalous triple-gauge boson couplings. Inclusive cross-section measurements for top-quark pair and single top t- and Wt-channels are shown. For top-quark pair production, emphasis is given to differential measurements and additional radiation studies, including also spin correlation and top-quark charge asymmetry. Intrinsic top quark properties as its mass and charge as well as a measurement of the polarization of W bosons in top quark decays are also presented.

Primary author: Mr ROSBACH, Killian (Université de Genève, DPNC)

Presenter: Mr ROSBACH, Killian (Université de Genève, DPNC)