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## **Measurement of intrinsic top quark properties (top mass, charge, top and W polarisation, and search for FCNC in top decays) with the ATLAS detector**

*Friday 19 July 2013 17:20 (20 minutes)*

Properties of the top quark are measured with the ATLAS detector using the Large Hadron Collider proton-proton collisions data. Measurements of the top quark mass, charge and polarisation, as well as of the polarization of W bosons in top quark decays to probe the  $Wtb$  vertex are presented. The search for flavour changing neutral current processes in top quark decays is reviewed.

**Presenter:** MASETTI, Lucia (Johannes-Gutenberg-Universität Mainz (DE))

**Session Classification:** Top and Electroweak Physics

**Track Classification:** Top and Electroweak Physics