



ID de Contribution: 157

Type: **Ordinary**

## Measurements of the top quark mass using the CMS and ATLAS detectors at the LHC

*lundi 12 mars 2018 08:55 (15 minutes)*

Measurements of the top quark mass obtained by the ATLAS and CMS experiments in proton-proton collisions at the LHC for centre-of-mass energies of 7, 8 and 13 TeV are presented. The mass of the top quark is measured using several methods and channels, including the reconstructed invariant mass distribution of the top quark and shapes of kinematic observables from top quark decay products. Measurements of the top-quark pole-mass based on the inclusive and differential top-anti-top production cross sections and observables based on the differential cross section in the top-pair plus 1 jet channel are also discussed.

### Summary

**Auteur principal:** MENKE, Sven (Max Planck Institute for Physics)

**Orateur:** MENKE, Sven (Max Planck Institute for Physics)

**Classification de Session:** Monday Morning: SM ( top, EW)