



LHC Seminar

SPEAKER: Marco Vanadia
TITLE: **Reaching top precision in top quark property measurements using the ATLAS detector**
DATE: 1 Oct 2019, 11:00
PLACE: 503/1-001 - Council Chamber

ABSTRACT

ATLAS presents new high-precision measurements of top-quark properties including differential cross-sections, charge asymmetry, and the top mass. The cross section measurement is performed using the dilepton final state and is also used to extract the top quark mass. The measurement of the charge asymmetry between top quarks and top anti-quarks, a very small effect at the LHC according to the Standard Model, is performed using the lepton and jets final state. A new measurement of the top-quark mass using muons from b-hadron decays will also be presented.