ID de Contribution: **43** Type: **Ordinary**

Electroweak Measurements with the ATLAS and CMS Experiments

vendredi 8 mars 2013 09:35 (20 minutes)

Highlights of ATLAS and CMS measurements involving the production of heavy electroweak gauge bosons, W and Z, at the LHC will be presented. Cross sections of single W and Z bosons are studied with very high precision and differential in various kinematic variables. The
rapidity differential measurements are shown to have a so far unique impact on our knowledge of proton structure with regards to the strange quark density. Furthermore measurements of tau final
states, W polarisation and the weak mixing angle will be presented. Various di-boson measurements will be presented. These measurements test the non-Abelian gauge structure and limits on anomalous triple gauge couplings are derived.

Auteur principal: Dr HASSANI, samira (IRFU-SPP/CEA Saclay)

Orateur: Dr HASSANI, samira (IRFU-SPP/CEA Saclay)

Classification de Session: BSM & Electroweak results

Classification de thématique: Experiment