



Contribution ID: 46

Type: **Oral presentation**

Diboson Higgs and EWK measurements and triple gauge couplings with ATLAS and CMS

Tuesday 29 April 2014 08:50 (30 minutes)

We present studies of diboson production in pp collisions at 7 and 8 TeV center-of-mass energy based on data recorded by the CMS detector at the LHC in 2011 and 2012. These include Higgs measurements in ZZ and WW decay modes, precise measurements of W and Z production in association with a photon and of WW production, WZ and ZZ productions at the LHC. The leptonic decay modes of the W and Z bosons are used. Semi-leptonic decay modes of WW+WZ final state are also shown. The results are interpreted in terms of constraints on anomalous triple gauge couplings.

Author: GROTHE, Monika (University of Wisconsin (US))

Presenter: PROTOPAPADAKI, Eftychia-Sofia (CEA/IRFU, Centre d'étude de Saclay Gif-sur-Yvette (FR))

Session Classification: WG3: Electroweak Physics and Beyond the Standard Model

Track Classification: WG3: Electroweak Physics and Beyond the Standard Model