



ID de Contribution: 150

Type: **Ordinary**

## Associated top production ( $t\bar{t}V$ , $tV$ ) in ATLAS and CMS

*lundi 12 mars 2018 09:35 (15 minutes)*

Measurements and searches are presented of association top production processes ( $t\bar{t}V$  and  $tV$ ) in pp collisions at  $\sqrt{s} = 13$  TeV recorded by CMS and ATLAS.  $t\bar{t}W$  is measured in the two same-sign lepton channel, obtaining an expected (observed) significance of 4.5 (5.3) standard deviations in the CMS analysis and (3.4) 3.9 in the ATLAS analysis.  $t\bar{t}Z$  associated production is measured in the three and four lepton channel with a significance of above 5 standard deviations.  $tZq$  is measured in the three lepton channel with an observed (expected) significance of 3.1 (3.7) sigmas in the CMS analysis and 4.2 (5.4) in the ATLAS one.  $tW$  is measured in the opposite-sign electron-muon channel with a precision of 10% by CMS and in the opposite-sign dilepton channel with a precision of 30% by ATLAS.

### Summary

**Auteur principal:** SÁNCHEZ CRUZ, Sergio

**Orateur:** SÁNCHEZ CRUZ, Sergio

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