



Contribution ID: 112

Type: not specified

## Cross sections for $W\gamma$ and $Z\gamma$ Production in 7TeV pp collisions

Thursday 7 June 2012 17:20 (20 minutes)

We present the measurement of  $W\gamma$  and  $Z\gamma$  production cross sections using data corresponding to the full 2010 and 2011 periods of the LHC run. For charged lepton decay modes of W and Z bosons the total cross sections are measured for photon transverse energy greater than 15 GeV. We also present the first measurement of  $Z\gamma$  production cross section using the  $n\gamma$  final state for photon transverse energy greater than 145 GeV. The results are also interpreted in terms of limits of anomalous trilinear gauge couplings.

**E-mail Address**

grothe@mail.cern.ch

**Collaboration Name** **Please enter the name of the collaboration or group using the acronym, as in: ABC Collaboration**

CMS Collaboration

**Author:** MARAVIN, Yurii (Kansas State University (US))

**Presenter:** MARAVIN, Yurii (Kansas State University (US))

**Session Classification:** 4F: (Parallel) EWK and QCD