



Contribution ID: 169

Type: **Parallel session talk**

Measurements of W and Z boson production at ATLAS

Monday 26 July 2021 10:00 (15 minutes)

Precision measurements of the production cross-sections of W/Z boson at LHC provide important tests of perturbative QCD and information about the parton distribution functions for quarks within the proton. We present measurements of the transverse momentum distribution of the vector boson at 13 TeV. If available differential measurements in the side band of the Z-mass peak are also presented. The measurements are corrected for detector inefficiency and resolution and compared with state-of-the-art theoretical calculations.

First author

Lidija Zivkovic

Email

Lidija.Zivkovic@cern.ch

Collaboration / Activity

ATLAS

Primary author: COLLABORATION, ATLAS

Presenter: SCHOTT, Matthias (Uni Mainz)

Session Classification: T07: Top and Electroweak Physics

Track Classification: Top and Electroweak Physics