

Measurements of W/Z boson production in association with jets at ATLAS

Tuesday, July 28, 2020 4:15 PM (15 minutes)

Measurements of W/Z-boson production in association with jets provide important test of perturbative QCD prediction and also yield information about the parton distribution functions of the proton. In this talk, differential cross-sections for vector-boson production in association with jets using proton-proton collisions collected by the ATLAS experiment are presented. The data are corrected for detector inefficiency and resolution and compared to state-of-the-art theoretical predictions. The impact of the choice of parton distribution function is also presented.

I read the instructions

Secondary track (number)

Primary author: VITTORI, Camilla

Presenter: VITTORI, Camilla

Session Classification: Strong Interactions and Hadron Physics

Track Classification: 06. Strong Interactions and Hadron Physics