

# **W and Z production measured using the ATLAS detector, and impact on parton densities of the proton**

*vendredi 22 juillet 2011 18:00 (15 minutes)*

Cross sections, both inclusive and differential, and ratios of cross sections for W and Z boson production in proton-proton collisions are presented. The measurements are compared to the predictions of precise QCD calculations using a range of PDF fits. The impact of these measurements on event generators, future fits and their uncertainties is studied.

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**Classification de Session:** QCD

**Classification de thématique:** QCD