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Measurement of the WZ boson pair production cross section at 13 TeV and limits on anomalous triple gauge couplings with the ATLAS detector

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The WZ boson pair production at 13 TeV is measured using the ATLAS detector. Leptonic decays of the W and Z bosons to electrons and muons are considered using 2015 and 2016 data. The differential cross-section as a function of jet multiplicity, the Z-boson p_T and the transverse mass of the WZ system are also measured along with the charge-dependent W+Z and W-Z cross-sections and their ratio. Finally, the integrated fiducial cross-sections ratio, measured at center-of-mass energies of 13 TeV and 8 TeV, is calculated and limits on anomalous triple gauge couplings are set.

Summary

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