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Measurement of V +heavy flavour production at ATLAS

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Measurement of $W+c$ production cross section has a unique sensitivity to the strange-quark density, which is poorly known at low x . $W+b$ production, on the other hand, probes the b -quark production by higher order QCD processes. Cross sections are measured differentially as a function of jet multiplicity and transverse momentum of the leading b -jet, for the $W+b$ measurement and as a function of lepton pseudorapidity for the $W+c$ measurement. The results are compared to the QCD predictions at NLO.

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