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## Measurement of the jet production cross sections with the ATLAS detector and their impact on PDF

The measurements of the production cross sections of inclusive, di- and tri-jet events probe the dynamics of QCD and can constrain the parton proton structure. Double-differential cross sections are measured and compared to expectations based on next-to-leading order QCD calculations as well as to next-to-leading order Monte Carlo simulations. A QCD analysis of the data indicates constraining power for parton distribution functions of the proton.

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