

XX International Workshop on Deep-Inelastic Scattering and Related Subjects



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Impact of LHC data on (NN)PDFs

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A determination of parton distribution functions with reliable estimation of associated uncertainties is a key ingredient for exploiting the full physics potential of the experiments at the LHC collider. On the other hand, measurements from the LHC will provide important constraints on PDFs in kinematic regions which are so far not covered by data included in global analyses. In this talk I will discuss the effect of including recent LHC vector boson and inclusive jet production measurements into the NNPDF global parton fit. I will also show how the impact of including new data in a global fit can be rapidly assessed using a method based on Bayesian reweighting.

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