

Parton distributions from the collider data

Thursday, 30 August 2018 14:30 (30 minutes)

Results of the QCD analysis of a variety of the hard-scattering data is overviewed with a particular focus on determination of the quark distributions in the nucleon. A potential of the recent precise data collected at the LHC for the problem of parton species disentangling is discussed and compared to the impact of the low-energy fixed-target data. Finally, remaining challenges and potential improvements in the field are outlined.

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Session Classification: PDFs, \otimes , and soft QCD

Track Classification: PDFs, \otimes , and soft QCD