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Strange and non-strange quark distributions from the collider data

Tuesday 17 April 2018 14:00 (20 minutes)

Results of the QCD analysis of a variety of the
hard-scattering data is over-viewed 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 quark 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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