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Low-x physics and nuclear PDFs at the LHC

Wednesday 30 November 2022 11:20 (30 minutes)

Recent progress in the determination of nCTEQ nuclear PDFs will be discussed based on LHC heavy quark and quarkonium data putting strong constraints on the nuclear gluon PDF down to very small x ˜ 10ˆ-5.
We will also summarize the results of a recent in depth study of neutrino deep inelastic scattering data and their impact on nCTEQ nuclear PDFs.

Declaration

I certify that I have checked that I am authorised to submit the abstract with the listed co-authors with their current affiliations

Change of Speaker

I understand that change of speaker is allowed provided that no participant gives more than one talk. Otherwise, we will ask the speaker to choose between one or the other abstract to be presented.

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Track Classification: WG7: Parton tomography from 1D to 5D