Contribution ID: **212** Type: **Parallel talk**

Towards the nCTEQ23 global nPDF analysis

Thursday 30 March 2023 11:10 (20 minutes)

We discuss the preliminary results of the new global nCTEQ23 nuclear PDF analysis, combining a number of our previous analyses into one consistent framework with updates to the underlying theoretical treatment as well as the addition of new available data. In particular, the nCTEQ23 global release will be the first nCTEQ release containing neutrino DIS scattering data in a consistent manner together with JLab high-x DIS data and new LHC p-Pb data. These additions will allow to improve the data-driven description of nuclear PDFs in new regions such as the gluon for very low-x or the nuclear strange quark PDF.

Submitted on behalf of a Collaboration?

Yes

Participate in poster competition?

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