

DIS2023: XXX International Workshop on Deep-Inelastic Scattering and Related Subjects



Contribution ID: 116

Type: **Parallel talk**

Approximate N^3 LO PDFs and theoretical uncertainties

Tuesday, 28 March 2023 10:50 (20 minutes)

We consider the extension of the MSHT20 PDFs to an approximate N^3 LO order. We describe the parameterisation of the missing N^3 LO contributions and the determination of the theoretical uncertainties and their interpretation. We examine the impact of further data sets and look at the stability of predicted cross sections.

Submitted on behalf of a Collaboration?

No

Participate in poster competition?

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