

nCTEQ25: Overview and Preliminary Results

Monday 23 June 2025 17:00 (25 minutes)

We discuss the preliminary results of the new global nCTEQ25 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 nCTEQ24 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.

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