

XXVIII International Workshop on Deep Inelastic Scattering and Related Subjects



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Impact of full JLab 6 GeV DIS data on CTEQ-JLab (CJ) PDFs & nuclear effects

Tuesday, March 24, 2020 4:45 PM (15 minutes)

The CJ15 global next-to-leading-order analysis of PDFs utilized, amongst others, inclusive and tagged DIS structure function data from Jefferson Lab (JLab) and high-precision charged lepton and W-boson asymmetry data from Fermilab. As an extension to the CJ15 analysis, new JLab Hall A and C data from experiments j100106F2, e06009d, e99118, jlcee96 and e03103, and Hall B data from the BONuS and CLAS6 experiments are included to determine their impact on the extraction of PDFs at intermediate and high x , as well as on the nuclear corrections in the deuteron. Preliminary results will be presented in this talk.

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