



EINLADUNG

im Rahmen des Teilchenphysikseminars

zum Vortrag

von

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über

“All-order calculations for PDFs determination”

Abstract:

I discuss the inclusion of the resummation in the context of the determination of parton distribution functions (PDFs). In particular, I present PDFs fits that are obtained including the resummation of threshold logarithms and high-energy logarithms, leading to a more reliable description of the large- and small- x regions of phase space. Specifically, I show how the PDF fit with small- x resummation provide strong evidence of BFKL dynamics in inclusive HERA data.

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Ort: Erwin Schrödinger-Hörsaal, Boltzmannngasse 5, 5. Stock

gez.: A. Hoang, H. Neufeld