

## Small-x resummation and its impact in PDF determination

*Friday, 29 November 2019 09:30 (20 minutes)*

I will consider the resummation of logarithms of the momentum scaling variable  $x$ , which become large at small momentum fractions, namely at high energies. I will cover recent developments in the field, which led to the first PDF fits including small- $x$  resummation. I will discuss the effects on PDF determination, and the implications for present and future collider phenomenology.

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