Abstract ID : **149**

# Fitting the dipole amplitude with collinearly improved JIMWLK equation

## Content

I summarize our attempts to describe HERA experimental data for the F_2 structure function using our implementation of the collinearly improved JIMWLK equation. I briefly describe the numerical framework based on Langevin reformulation of the JIMWLK equation and I illustrate the impact of the improvement on the dipole amplitude. I also comment on the influence of different functional forms of the initial condition.

## Submitted on behalf of a Collaboration?

No

**Primary authors:** CICHY, Krzysztof; Dr KORCYL, Piotr (Jagiellonian University); Prof. MOTYKA, Leszek (Jagiellonian University)

**Presenter:** Dr KORCYL, Piotr (Jagiellonian University)

**Track Classification:** WG1: Structure Functions and Parton Densities

**Contribution Type:** Parallel talk

Submitted by **KORCYL, Piotr** on **Thursday, 10 February 2022**