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Gluon saturation at higher orders and improvement of kinematics

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The first part of the talk will be a brief overview of some recent theoretical progresses about DIS and pA processes within the Color Glass Condensate effective theory and related formalisms, in particular concerning higher order calculations.

Then, I will present new results concerning the improvement of the treatment of kinematics in high-energy evolution equations like the Balitsky-Kovchegov equation. This amounts to perform a resummation of the largest spurious corrections appearing at each perturbative order in the Regge limit.

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