

## Basics of Color Glass Condensate (1/2)

*Monday, 25 April 2022 14:00 (60)*

- 1) Structure of hadrons: DIS
- 2) DIS at small  $x$ : gluon saturation
  - a: High gluon density effects: classical multiple scatterings
  - Ex. 1: quark anti-quark production in DIS
  - Ex. 2:  $F_2$ ,  $F_L$  structure functions in DIS
  - b: Quantum loops: evolution equations
  - BK/JIMWLK eqs. for dipoles
- 3) Solutions of the BK eq.  
Phenomenological applications
- 4) Current/Future directions

Link to the recording:

<https://cernbox.cern.ch/index.php/s/pD2QNVUjlZ9kz4C>

Please ask the organizers for the password.

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