



Contribution ID: 229

Type: **not specified**

Multi-particle production in the CGC framework

Within the Color Glass Condensate (CGC) framework, I will discuss particle production in the collision of a dilute projectile with a dense hadronic target. For years CGC studies focused on the dipole scattering amplitude, and its evolution towards high energies or small x . One has now reached an accuracy sufficient to quantitatively describe single inclusive particle production in p+A type collisions, at least in the forward rapidity region, sensitive to the smallest values of x . Recently the focus has turned to the quadrupole amplitude, necessary to compute the two-particle inclusive case. Actually in the large- N_c limit, only dipoles and quadrupoles contribute, and I will show that this is the case irrespectively of the numbers of particles measured in the final state.

Primary author: MARQUET, Cyrille (Ecole Polytechnique)

Presenter: MARQUET, Cyrille (Ecole Polytechnique)