

How can we prove/disprove the relevance of CGC/saturation physics at LHC?

Thursday, 31 May 2012 11:00 (25 minutes)

The forthcoming LHC run on p+Pb collisions will offer a unique possibility to explore the small-x regime of QCD.

I shall review the physics prospects for different observables within the Color Glass Condensate framework: from multiplicity distributions, and single inclusive spectra to two-particle correlations. I will discuss in detail the quantitative challenges for a precise discrimination of the CGC/saturation studies to other phenomenological approaches in Heavy ion collisions.

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