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## **Gluon saturation and gluon densities**

*Thursday, 16 July 2015 08:50 (20 minutes)*

In the talk I will overview status of QCD at region of phase space when the partons form a dens system leading eventually to parton saturation i.e. situation when the partons are not growing any more due to nonlinear dynamics.

I will overview recent developments leading to construction of gluon densities which take into account saturation effects. Finally I will present predictions for observables which eventually will test saturation phenomenon in p-Pb collisions at LHC

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