



Contribution ID: 258

Type: **Parallel talk**

Effects of saturation in high-multiplicity pp collisions

Saturday, 13 July 2019 11:30 (15 minutes)

Coherence leads to p_T broadening of partons in high-multiplicity events, which is a manifestation of the effect of parton saturation. Appearance of the saturation scale generates via DGLAP evolution an enhancement of low- x gluons. Mutual enhancement of low- x gluons in both colliding hadrons (pp, AA) results in an even stronger boost of the saturation scales. This explains the observed steep rise of the J/ψ production rate vs hadron multiplicity in pp collisions.

Primary author: KOPELIOVICH, Boris (UTFSM)**Presenter:** KOPELIOVICH, Boris (UTFSM)**Session Classification:** QCD and Hadronic Physics**Track Classification:** QCD and Hadronic Physics