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Saturation or collectivity in p+A collisions at RHIC and LHC?

Tuesday, 29 September 2015 16:00 (20 minutes)

I will discuss recent experimental results in proton-proton, proton-lead and deuteron-gold collisions at the LHC and RHIC, and explain how they influence our understanding of non-perturbative QCD at high energy density. Several ideas that may help to disentangle between initial state effects, e.g., the color glass condensate, and final state effects such as hydrodynamics or transport models will be presented. In particular I will discuss the measurement of mean multiplicity vs the number of participants in p+A, the average transverse momentum of produced particles and the elliptic flow as a function of rapidity in p+A, and relations between two-, four-, six- and eight-particle azimuthal anisotropies in p+A and A+A interactions.

On behalf of collaboration:

NONE

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