



Contribution ID: 13

Type: **Oral presentation**

Investigating the Saturated Glauber Picture in pA/dAu Collisions in the RHIC/LHC Era

Tuesday 9 September 2014 17:05 (30 minutes)

Glauber model has been used successfully so far in heavy ion collisions. This was especially important for the determination on the number of collisions, $\langle N_{bin} \rangle$, which is a necessary to determine the strength of the nuclear effect measured in proton-nucleus and nucleus-nucleus collisions compared to proton-proton. Recent preliminary RHIC & LHC data have been taken in various centralities in pA/dAu collisions, might give a new lieu of the saturated Glauber picture introduced earlier in Ref. [1,2,3].

[1] G. Papp, P. Lévai and G. Fai, Phys. Rev. **C61**, 021902 (2000);

[2] Y. Zhang, G. Fai, G. Papp, G.G. Barnaföldi, and P. Lévai, Phys. Rev. **C65**, 034903 (2002);

[3] G. David talk at the High pT physics at LHC Workshop –Grenoble, France “Event characterization in (very) asymmetric collisions” (Sep. 26, 2013)

Author: HARANGOZO, Szilveszter Miklos (Hungarian Academy of Sciences (HU))

Co-authors: BARNAFOLDI, Gergely (Hungarian Academy of Sciences (HU)); PAPP, Gábor (Eötvös University); GYULASSY, Miklos (Columbia University)

Presenter: HARANGOZO, Szilveszter Miklos (Hungarian Academy of Sciences (HU))

Session Classification: Initial conditions / saturation / event activity I