



Contribution ID: 17

Type: **not specified**

Recent Results from RHIC: Cold QCD & Spin

Monday 3 February 2020 10:35 (25 minutes)

The partonic structure of the proton has been established in deep inelastic scattering and a detailed picture of the nucleon has emerged from a wide range of experiments and global analyses. Proton-proton collisions at RHIC allow direct access to the gluon content in the nucleon and polarized beams introduce an additional degree of freedom, spin, which is naturally connected to parton kinematics. Transverse spin phenomena are enabling studies of transverse momentum dependent distribution functions and spin-orbit correlations beyond a one-dimensional picture. At the same time, they are closely linked to questions about universality of the process dependence of color exchanges, factorization, and possibly saturation effects at very small partonic momenta.

Author: Dr EYSER, Oleg (Brookhaven National Laboratory)

Presenter: Dr EYSER, Oleg (Brookhaven National Laboratory)

Session Classification: Morning