Contribution ID: **84** Type: **not specified**

Experimental Studies of Evolution Properties of Structure Functions in Polarized SIDIS

Thursday 3 November 2022 15:50 (15 minutes)

The quark-gluon dynamics manifests itself in a set of non-perturbative functions describing all possible spin-spin and spin-orbit correlations. Single and Dihadron semi-inclusive and hard exclusive production, both in current and target fragmentation regions, provide a variety of spin and azimuthal angle dependent observables, sensitive to the dynamics of quark-gluon interactions. Studies of spin-dependent structure functions, and underlying transverse momentum distributions of partons are currently driving the upgrades of several existing facilities, and the design and construction of new facilities worldwide.
In this talk, we present some ongoing and possible future studies of Q^2-dependences of structure functions in SIDIS, required for validation of existing theoretical description of SIDIS.

Primary author: AVAGYAN, Harut

Presenter: AVAGYAN, Harut

Session Classification: Parallel Session A: TMD in experiment: DIS