Behavior of the longitudinal structure function in NLO analysis at low x

Behavior of the longitudinal structure function in the next- to- leading order of the perturbation theory at low x, based on of the exponent λg gluon
distribution and λS structure function from the Regge- like behavior at this limit is
presented. This approach shows, the longitudinal structure function has the hard-Pomeron behavior. All the results can consistently be described within the frame work of PQCD, which essentially shows increases as x decreases.

Primary author: Dr BOROUN, Gholam Reza (Assistant professor of physics)

Presenter: Dr BOROUN, Gholam Reza (Assistant professor of physics)

Track Classification: Poster session