



Contribution ID: 12

Type: **not specified**

Accessing the proton UGD via exclusive polarized rho-meson leptonproduction at HERA and the EIC

Thursday, 14 October 2021 11:20 (15 minutes)

We study the exclusive polarized leptonproduction of ρ -mesons within the framework of high-energy factorization. Cross sections for longitudinally and transversally polarized mesons are presented. We employ a wide variety of unintegrated gluon distributions available in the literature and compare to HERA data. The resulting cross sections strongly depend on the choice of unintegrated gluon distribution. We also present predictions for the proton target in the kinematics of the Brookhaven EIC.

Primary authors: Prof. PAPA, Alessandro (Università della Calabria & INFN-Cosenza); Dr BOLOGNINO, Andr e Dafne (Università della Calabria & INFN-Cosenza); Prof. SZCZUREK, Antoni (IFJ Krakow & University of Rzeszow); Dr IVANOV, Dmitry Yu. (Sobolev Institute of Mathematics, Novosibirsk, Russia); CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA); Prof. SCH AFER, Wolfgang (IFJ Krakow)

Presenter: CELIBERTO, Francesco Giovanni (ECT*/FBK Trento & INFN-TIFPA)

Session Classification: WG4: small-x and diffraction

Track Classification: WG4: Small-x and Diffraction