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## QED Corrections to Azimuthal Asymmetries of SIDIS Cross sections

Tuesday 10 January 2023 11:55 (35 minutes)

We analyze an impact of QED corrections on observables of semi-inclusive deep-inelastic scattering (SIDIS) of electrons and muons on a proton target. It is shown that both the radiative effects and two-photon exchange generate new azimuthal dependent-terms and corresponding (MM) moments. A quark-diquark model of a nucleon was used in the calculations of two-photon effects which appear to be essential for both the magnitude and transverse-momentum dependence of (MM) and (MM) moments.

Presenter: AFANASEV, Andrei

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