



Contribution ID: 243

Type: **not specified**

## Semi-inclusive Kaon production at low scales

*Wednesday 18 April 2018 17:40 (20 minutes)*

In perturbative QCD, the masses of the hadrons involved in high energy reactions can usually be neglected. In this talk, I will discuss one case in which this may not be a good approximation, namely production of Kaons in electron-proton collisions at low (and not so low) beam energies. In particular, I will present a recent proposal to include hadron masses in theoretical calculations, and how these Hadron Mass Corrections can explain a large discrepancy observed in measurements performed at the HERMES and COMPASS experiments. I will also discuss some preliminary spectator model calculations designed, in particular, to test the range of validity of the approximations needed in the proposed factorization scheme

**Author:** GUERRERO, Juan (Hampton University/Jefferson Lab)

**Co-author:** ACCARDI, Alberto (Hampton U. and Jefferson Lab)

**Presenter:** GUERRERO, Juan (Hampton University/Jefferson Lab)

**Session Classification:** WG6: Spin and 3D structure

**Track Classification:** WG6: Spin and 3D structure