Contribution ID: **99** Type: **Parallel**

# On light mesons Parton distribution functions from basis light front quantization

*Sunday, 18 August 2019 17:20 (21 minutes)*

We study the parton distribution functions of the pion and the kaon from the eigenstates of a light front effective Hamiltonian in the constituent quark-antiquark representation suitable for low-momentum scale applications.
By taking these scales as the only free parameters, the valence quark distribution functions of the pion, after QCD evolution, are consistent with the experimental data from the E615 experiment at Fermilab. The ratio of the up quark distribution of the kaon to that of the pion also agrees with the NA3 experiment at CERN.

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**Session Classification:** Session 6: QCD and hadron structure

**Track Classification:** Session 6: QCD and hadron structure