Contribution ID : **21**   Type : **not specified**

Developing predictions for pion fragmentation functions

Saturday, 27 April 2024 16:10 (20)

Exploiting crossing symmetry, the pion valence quark distribution function (DF) is used to predict the pion fragmentation function (FF). In this way, a unified treatment of the pion DFs and FFs was accomplished. The significance of this work lies in that it is the first prediction of FFs in any approach with a traceable connection to quantum chromodynamics (QCD), and it also gives insights into the link between two fundamental phenomena in QCD: Emergent Hadron Mass (EHM) and confinement.

Primary author(s) : ⬚, ⬚⬚ (Nanjing University)

Presenter(s) : ⬚, ⬚⬚ (Nanjing University)

Session Classification : ⬚⬚⬚ 1