



Contribution ID: 128

Type: **Parallel Talk**

Lattice Constraints on the Fourth Mellin Moment of the Pion LCDA using the HOPE Method

Tuesday, 1 August 2023 17:20 (20 minutes)

The light-cone distribution amplitude (LCDA) of the pion carries information about the parton momentum distribution and is an important theoretical input into various predictions of exclusive measurements at high energy, including the pion electromagnetic form factor. We provide constraints on the fourth Mellin moment of the LCDA using the heavy quark operator product expansion (HOPE) method.

Topical area

Structure of Hadrons and Nuclei

Primary authors: GREBE, Anthony (Fermilab); LIN, C.-J. David (National Yang Ming Chiao Tung University); KANAMORI, Issaku (Hiroshima University); PERRY, Robert (University of Barcelona); DETMOLD, William (MIT); ZHAO, Yong (Argonne National Laboratory)

Presenter: PERRY, Robert (University of Barcelona)

Session Classification: Structure of Hadrons and Nuclei