



Contribution ID: 622

Type: Oral presentation

Pion and kaon distribution amplitude at physical masses

Thursday, 29 July 2021 21:45 (15 minutes)

We will present lattice QCD results for x -dependent distribution amplitudes for pion and kaon. The computations were carried out using valence Wilson Clover fermions on HISQ gauge configurations with 2+1 flavors, all with physical values of pion and kaon masses and at a lattice spacing of 0.076 fm. Computations used hadrons states boosted up to a momentum of 1.7 GeV. To arrive at the results we use improved perturbative QCD matching for the distribution amplitudes that goes beyond the conformal approximation.

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Session Classification: Hadron Structure

Track Classification: Hadron Structure