

Second moment of the pion distribution amplitude from Lattice QCD

Tuesday 20 March 2018 17:20 (25 minutes)

We report on the status of a current project by the RQCD lattice QCD group aimed at non-perturbatively estimating the second moment of the pion distribution amplitude. Our investigation is carried out using $N_f=2+1$ dynamical non-perturbatively order α improved Wilson fermions on lattices of different volumes and pion masses down to 220 MeV. We employ momentum smearing in order to decrease the contamination of excited states and increase statistical precision. Preliminary attempts of a combined chiral and continuum extrapolation will be discussed.

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