

2022 Meeting on Lattice Parton Physics from Large Momentum Effective Theory (LaMET2022)



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Progress in calculation of the fourth Mellin moment of the pion light-cone distribution amplitude using the HOPE method

Thursday, December 1, 2022 2:00 PM (25 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. This talk presents progress towards a lattice calculation of the fourth Mellin moment of the LCDA using the heavy quark operator product expansion (HOPE) method.

Presenter: PERRY, Robert (Universitat de Barcelona)

Session Classification: Session III