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Calculation of the second moment of the pion light-cone distribution amplitude

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The light-cone distribution amplitude (LCDA) of the pion carries information about the distribution of its quarks, which is an important input to various experiments. We present our proof-of-concept lattice calculation of the second Mellin moment of the LCDA using the heavy quark operator product expansion (HOPE) method. Our computation shows agreement with complementary methods of computation in the literature.

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