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Developments in lattice computation of parton distributions

Tuesday 18 June 2019 11:45 (30 minutes)

I will review the latest developments in lattice computations of the x-dependent parton structure of hadrons using quasi-PDF, pseudo-PDF, good lattice cross-section approach as well as using the moments of PDF. I will also focus on the practical aspects of LaMET approach such as the validity of 1-loop perturbative matching, control of the excited states of boosted hadrons and the different approaches to the inverse problem of matching Euclidean quasi-PDFs to PDFs.

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