

A Guide to Light-Cone PDFs from Lattice QCD: An Overview of Recent Results

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Systematic uncertainties in parton distribution functions from lattice QCD simulations at the physical point. Physical Review D, 2019, 99, .	1.6	67
2	Parton distribution functions from loffe time pseudo-distributions. Journal of High Energy Physics, 2019, 2019, 1.	1.6	66
3	Pion valence structure from loffe-time parton pseudodistribution functions. Physical Review D, 2019, 100, .	1.6	98
4	Generalized parton distributions and pseudodistributions. Physical Review D, 2019, 100, .	1.6	38
5	Lattice QCD and neutrino-nucleus scattering. European Physical Journal A, 2019, 55, 1.	1.0	41
6	Valence parton distribution function of pion from fine lattice. Physical Review D, 2019, 100, .	1.6	83
7	Exploring twist-2 GPDs through quasidistributions in a diquark spectator model. Physical Review D, 2020, 102, .	1.6	20
8	Isovector parton distribution functions of the proton on a superfine lattice. Physical Review D, 2020, 102, .	1.6	34
9	Gluon pseudo-distributions at short distances: Forward case. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135621.	1.5	35
10	Nucleon quasi-parton distributions in the large N limit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135665.	1.5	14
11	Simulating lattice gauge theories within quantum technologies. European Physical Journal D, 2020, 74, 1.	0.6	272
12	Nucleon isovector tensor charge from lattice QCD using chiral fermions. Physical Review D, 2020, 101, .	1.6	13
13	B -meson light-cone distribution amplitude from Euclidean quantities. Physical Review D, 2020, 102, .	1.6	37
14	Quasiparton distribution functions at NNLO: Flavor nondiagonal quark contributions. Physical Review D, 2020, 102, .	1.6	24
15	Frame-independent spatial coordinate z : Implications for light-front wave functions, deep inelastic scattering, light-front holography, and lattice QCD calculations. Physical Review C, 2020, 102, .	1.1	21
16	Vector - axial vector lattice cross section and valence parton distribution in the pion from a chiral quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135803.	1.5	5
17	Valence parton distribution of the pion from lattice QCD: Approaching the continuum limit. Physical Review D, 2020, 102, .	1.6	56
18	Lattice QCD evaluation of the Compton amplitude employing the Feynman-Hellmann theorem. Physical Review D, 2020, 102, .	1.6	21

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19	Lattice QCD Calculations of Transverse-Momentum-Dependent Soft Function through Large-Momentum Effective Theory. <i>Physical Review Letters</i> , 2020, 125, 192001.	2.9	53
20	Parton Distribution Functions from Ioffe Time Pseudodistributions from Lattice Calculations: Approaching the Physical Point. <i>Physical Review Letters</i> , 2020, 125, 232003.	2.9	49
21	Parton distribution functions from lattice QCD using Bayes-Gauss-Fourier transforms. <i>Physical Review D</i> , 2020, 102, .	1.6	15
22	Insights on proton structure from lattice QCD: The twist-3 parton distribution function $\langle g_T(x) \rangle$. <i>Physical Review D</i> , 2020, 102, .	1.6	32
23	Master integrals for two-loop QCD corrections to quark quasi PDFs. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	15
24	Parton distribution functions of \hat{I} on the lattice. <i>Physical Review D</i> , 2020, 102, .	1.6	34
25	One-loop matching for the twist-3 parton distribution $\langle g_T(x) \rangle$. <i>Physical Review D</i> , 2020, 102, .	1.6	30
26	Pion valence quark distribution from current-current correlation in lattice QCD. <i>Physical Review D</i> , 2020, 102, .	1.6	65
27	Moments of nucleon isovector structure functions in $2+1$ -flavor QCD. <i>Physical Review D</i> , 2020, 102, .	1.6	12
28	Improvement, generalization, and scheme conversion of Wilson-line operators on the lattice in the auxiliary field approach. <i>Physical Review D</i> , 2020, 101, .	1.6	28
29	Influence of the Effective Potential on the Crossover Width in the Two Flavor Polyakov-Nambu-Jona-Lasinio Model. <i>Advances in High Energy Physics</i> , 2020, 2020, 1-14.	0.5	3
30	Theory and applications of parton pseudodistributions. <i>International Journal of Modern Physics A</i> , 2020, 35, 2030002.	0.5	32
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32	Confronting lattice parton distributions with global QCD analysis. <i>Physical Review D</i> , 2021, 103, .	1.6	35
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34	The x-dependence of hadronic parton distributions: A review on the progress of lattice QCD. <i>European Physical Journal A</i> , 2021, 57, 77.	1.0	49
35	Flavor nonsinglet parton distribution functions from lattice QCD at physical quark masses via the pseudodistribution approach. <i>Physical Review D</i> , 2021, 103, .	1.6	35
36	Next-to-Next-to-Leading Order Calculation of Quasiparton Distribution Functions. <i>Physical Review Letters</i> , 2021, 126, 072002.	2.9	22

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41	A hybrid renormalization scheme for quasi light-front correlations in large-momentum effective theory. Nuclear Physics B, 2021, 964, 115311.	0.9	44
42	Quark distribution inside a pion in many-flavor (T_j) ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 552 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline") $\langle mml:mrow \langle mml:mmultiscripts \langle mml:mrow \langle mml:mi \rangle \langle mml:mi \rangle \langle mml:mrow \langle mml:mprescripts \langle mml:mrow \langle mml:mn \rangle 3 \langle mml:mn \rangle \langle mml:mrow \langle mml:mmultiscripts \langle mml:mrow \langle mml:math \rangle$	1.6	11
43	Nucleon momentum fraction, helicity and transversity from 2+1-flavor lattice QCD. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
44	Single transverse-spin asymmetry and Sivers function in large momentum effective theory. Physical Review D, 2021, 103, .	1.6	11
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46	Physical Review Letters, 2021, 126, 202001. Lattice continuum-limit study of nucleon parton quasidistribution functions. Physical Review D, 2021, 103, .	1.6	32
47	Towards studying the structural differences between the pion and its radial excitation. Physical Review D, 2021, 103, .	1.6	5
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52	Large-momentum effective theory. Reviews of Modern Physics, 2021, 93, .	16.4	109
53	Self-renormalization of quasi-light-front correlators on the lattice. Nuclear Physics B, 2021, 969, 115443.	0.9	27
54	Pion and kaon x^3 from lattice QCD and PDF reconstruction from Mellin moments. Physical Review D, 2021, 104, .	1.6	22

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56	Chiral perturbation for large momentum effective field theory. Physical Review D, 2021, 104, .	1.6	6
57	Parton distributions and lattice-QCD calculations: Toward 3D structure. Progress in Particle and Nuclear Physics, 2021, 121, 103908.	5.6	86
58	Renormalization of parton quasi-distributions beyond the leading order: spacelike vs. timelike. Journal of High Energy Physics, 2020, 2020, 1.	1.6	30
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61	Parton distributions from lattice data: the nonsinglet case. Journal of High Energy Physics, 2019, 2019, 1.	1.6	42
62	The role of zero-mode contributions in the matching for the twist-3 PDFs $\langle x \rangle$ and $\langle x^2 \rangle$	1.6	29
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64	Nucleon Structure from Lattice QCD Calculations. , 2019, , .		1
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70	Towards high-precision parton distributions from lattice QCD via distillation. Journal of High Energy Physics, 2021, 2021, 1.	1.6	17
71	Unpolarized gluon distribution in the nucleon from lattice quantum chromodynamics. Physical Review D, 2021, 104, .	1.6	25
72	Short-distance structure of unpolarized gluon pseudodistributions. Physical Review D, 2022, 105, .	1.6	7

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74	Parton physics from a heavy-quark operator product expansion: Lattice QCD calculation of the second moment of the pion distribution amplitude. Physical Review D, 2022, 105, .	1.6	11
75	Parton distribution functions beyond leading twist from lattice QCD: The $\langle h_L \rangle$ case. Physical Review D, 2021, 104, .	1.6	19
76	Transversity parton distribution function of the nucleon using the pseudodistribution approach. Physical Review D, 2022, 105, .	1.6	19
77	Polarized gluon pseudodistributions at short distances. Journal of High Energy Physics, 2022, 2022, 1.	1.6	7
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79	Pseudo and quasi gluon PDF in the BFKL approximation. Journal of High Energy Physics, 2022, 2022, 1.	1.6	3
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84	Pion generalized parton distributions: A path toward phenomenology. Physical Review D, 2022, 105, .	1.6	14
85	The Compton Amplitude, lattice QCD and the Feynman-Hellmann approach. SciPost Physics Proceedings, 2022, , .	0.2	0
86	Twist-3 partonic distributions from lattice QCD. SciPost Physics Proceedings, 2022, , .	0.2	3
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92	Science Requirements and Detector Concepts for the Electron-Ion Collider. Nuclear Physics A, 2022, 1026, 122447.	0.6	250
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98	Matching the $\langle B \rangle$ -meson quasidistribution amplitude in the RI/MOM scheme. Physical Review D, 2022, 106, .	1.6	1
99	Generalized parton distributions from lattice QCD with asymmetric momentum transfer: Unpolarized quarks. Physical Review D, 2022, 106, .	1.6	17
100	Improved renormalization scheme for nonlocal operators. Physical Review D, 2023, 107, .	1.6	2
101	Generalized quasi-, Ioffe-time-, and pseudodistributions of the pion in the Nambu–Jona-Lasinio model. Physical Review D, 2022, 106, .	1.6	5
102	Isvector helicity quark quasi-distributions inside a large- N_c nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 838, 137741.	1.5	1
103	Precision studies of QCD in the low energy domain of the EIC. Progress in Particle and Nuclear Physics, 2023, 131, 104032.	5.6	19
104	Resumming quark's longitudinal momentum logarithms in LaMET expansion of lattice PDFs. Nuclear Physics B, 2023, 991, 116201.	0.9	6
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