

Aleksander Kusina

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4354101/publications.pdf>

Version: 2024-02-01

49
papers

1,755
citations

471509

17
h-index

276875

41
g-index

49
all docs

49
docs citations

49
times ranked

6296
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of heavy quark and quarkonium data on nuclear gluon PDFs. Physical Review D, 2022, 105, .	4.7	8
2	A parton branching with transverse momentum dependent splitting functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137276.	4.1	5
3	A fixed-target programme at the LHC: Physics case and projected performances for heavy-ion, hadron, spin and astroparticle studies. Physics Reports, 2021, 911, 1-83.	25.6	28
4	Extending nuclear PDF analyses into the high- x , low- Q^2 region. Physical Review D, 2021, 103, .	4.7	15
5	Reweighted nuclear PDFs using heavy-flavor production data at the LHC. Physical Review D, 2021, 104, .	4.7	16
6	TMDlib2 and TMDplotter: a platform for 3D hadron structure studies. European Physical Journal C, 2021, 81, 1.	3.9	32
7	Parton distributions and lattice-QCD calculations: Toward 3D structure. Progress in Particle and Nuclear Physics, 2021, 121, 103908.	14.4	86
8	Impact of inclusive hadron production data on nuclear gluon PDFs. Physical Review D, 2021, 104, .	4.7	14
9	Impact of LHC vector boson production in heavy ion collisions on strange PDFs. European Physical Journal C, 2020, 80, 1.	3.9	27
10	Parton distribution functions of the charged pion within the xFitter framework. Physical Review D, 2020, 102, .	4.7	64
11	Calculation of the Z jet cross section including transverse momenta of initial partons. Physical Review D, 2019, 99, .	4.7	18
12	Z boson production in proton-lead collisions at the LHC accounting for transverse momenta of initial partons. Physical Review D, 2019, 100, .	4.7	13
13	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
14	Physics perspectives with AFTER@LHC (A Fixed Target Experiment at LHC). EPJ Web of Conferences, 2018, 171, 10001.	0.3	4
15	Parton distributions and lattice QCD calculations: A community white paper. Progress in Particle and Nuclear Physics, 2018, 100, 107-160.	14.4	186
16	TMD splitting functions in k_T factorization: the real contribution to the gluon-to-gluon splitting. European Physical Journal C, 2018, 78, 174.	3.9	19
17	Impact of low- x resummation on QCD analysis of HERA data. European Physical Journal C, 2018, 78, 621.	3.9	53
18	Gluon Shadowing in Heavy-Flavor Production at the LHC. Physical Review Letters, 2018, 121, 052004.	7.8	84

#	ARTICLE	IF	CITATIONS
19	Vector boson production in pPb and PbPb collisions at the LHC and its impact on nCTEQ15 PDFs. European Physical Journal C, 2017, 77, 1.	3.9	36
20	Impact of the heavy-quark matching scales in PDF fits. European Physical Journal C, 2017, 77, 837.	3.9	11
21	LHC Lead Data and Nuclear PDFs. Acta Physica Polonica B, 2017, 48, 1035.	0.8	1
22	How QCD Evolution Kernels Depend on the Type of Evolution Variable. Acta Physica Polonica B, 2017, 48, 2275.	0.8	0
23	Frontiers of QCD with Precision nPDFs. EPJ Web of Conferences, 2016, 112, 03006.	0.3	0
24	On the dependence of QCD splitting functions on the choice of the evolution variable. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
25	nCTEQ15: Global analysis of nuclear parton distributions with uncertainties in the CTEQ framework. Physical Review D, 2016, 93, .	4.7	305
26	Transverse momentum dependent splitting functions at work: Quark-to-gluon splitting. Physical Review D, 2016, 94, .	4.7	15
27	Non-perturbative Bottom PDF and Its Possible Impact on New Physics Searches. Acta Physica Polonica B, 2016, 47, 1519.	0.8	0
28	On the intrinsic bottom content of the nucleon and its impact on heavy new physics at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
29	HERAFitter. European Physical Journal C, 2015, 75, 1.	3.9	141
30	A Review of the Intrinsic Heavy Quark Content of the Nucleon. Advances in High Energy Physics, 2015, 2015, 1-12.	1.1	74
31	Evolution Kernels for Parton Shower Monte Carlo. Acta Physica Polonica B, 2015, 46, 1343.	0.8	0
32	Calculation of QCD NLO Splitting Functions in the Light-cone Gauge: a New Regularization Prescription. Acta Physica Polonica B, 2014, 45, 1361.	0.8	1
33	On regularizing the infrared singularities in QCD NLO splitting functions with the new Principal Value prescription. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 218-222.	4.1	9
34	The new PV prescription for IR singularities of NLO splitting functions. , 2014, , .		1
35	Virtual Corrections to the NLO Splitting Functions for Monte Carlo: the Non-singlet Case. Acta Physica Polonica B, 2013, 44, 2197.	0.8	1
36	NLO Corrections in the Initial-state Parton Shower Monte Carlo. Acta Physica Polonica B, 2013, 44, 2179.	0.8	7

#	ARTICLE	IF	CITATIONS
37	Hybrid scheme for heavy flavors: Merging the fixed flavor number scheme and variable flavor number scheme. <i>Physical Review D</i> , 2013, 88, .	4.7	7
38	Inclusion of the QCD next-to-leading order corrections in the quark-gluon Monte Carlo shower. <i>Physical Review D</i> , 2013, 87, .	4.7	13
39	Title is missing!. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2013, 6, 219.	0.1	0
40	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 1607.	0.8	0
41	Title is missing!. <i>Acta Physica Polonica B</i> , 2012, 43, 2067.	0.8	12
42	Heavy quark production in the Aivazis-Collins-Olness-Tung scheme at next-to-next-to-leading and next-to-next-to-next-to-leading order. <i>Physical Review D</i> , 2012, 85, .	4.7	11
43	Strange quark parton distribution functions and implications for Drell-Yan boson production at the LHC. <i>Physical Review D</i> , 2012, 85, .	4.7	22
44	A Survey of Heavy Quark Theory for PDF Analyses. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2012, 222-224, 52-60.	0.4	4
45	Two real parton contributions to non-singlet kernels for exclusive QCD DGLAP evolution. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	17
46	Title is missing!. <i>Acta Physica Polonica B</i> , 2011, 42, 2433.	0.8	6
47	Title is missing!. <i>Acta Physica Polonica B</i> , 2011, 42, 1475.	0.8	3
48	Title is missing!. <i>Acta Physica Polonica B</i> , 2011, 42, 1597.	0.8	0
49	Monte Carlo modelling of NLO DGLAP QCD evolution in the fully unintegrated form. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2010, 205-206, 295-300.	0.4	5