

Martin Hentschinski

List of Publications by Year in descending order

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Version: 2024-02-01

48

papers

1,033

citations

361413

20

h-index

414414

32

g-index

49

all docs

49

docs citations

49

times ranked

1588

citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for the maximally entangled low x proton in Deep Inelastic Scattering from H1 data. European Physical Journal C, 2022, 82, 1.	3.9	19
2	Forward Higgs production at NLO using Lipatov's high energy effective action. SciPost Physics Proceedings, 2022, , .	0.4	1
3	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
4	Forward Higgs production within high energy factorization in the heavy quark limit at next-to-leading order accuracy. European Physical Journal C, 2021, 81, 1. display="inline"><math>\langle mml:mi>j</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>mathvariant="normal">i</mml:mi></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>mathvariant="normal">i</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mi>mathvariant="normal">2</mml:mi><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block">T\bar{T}Q_q(1,1)0.784311\bar{q}gST\langle Overline{f}10\bar{f}50\bar{f}57</math>	3.9	20
5	Transverse momentum dependent gluon distribution within high energy factorization at next-to-leading order. Physical Review D, 2021, 104, .	4.7	21
6	An effective field theory approach for electroweak interactions in the high energy limit. European Physical Journal C, 2020, 80, 1.	3.9	3
7	QCD evolution based evidence for the onset of gluon saturation in exclusive photo-production of vector mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 569-575.	4.1	32
8	TMD splitting functions in κ_T factorization: the real contribution to the gluon-to-gluon splitting. European Physical Journal C, 2018, 78, 174.	3.9	19
9	3 parton production at DIS at small x . EPJ Web of Conferences, 2018, 172, 06003.	0.3	0
10	Color glass condensate formalism, Balitsky-JIMWLK evolution, and Lipatov's high energy effective action. Physical Review D, 2018, 97, .	4.7	15
11	Spinor helicity methods in high-energy factorization: Efficient momentum-space calculations in the Color Glass Condensate formalism. Nuclear Physics B, 2017, 920, 232-255.	2.5	16
12	The growth with energy of exclusive J/ψ and ψ' photo-production cross-sections and BFKL evolution. AIP Conference Proceedings, 2017, , .	0.4	0
13	Forward Physics and the glue at small x . Journal of Physics: Conference Series, 2017, 912, 012008.	0.4	0
14	DIS at low x , high gluon densities, BFKL evolution and 3 particle correlations. Journal of Physics: Conference Series, 2016, 761, 012038.	0.4	0
15	LHC forward physics. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 110201.	3.6	99
16	Polarized 3 parton production in inclusive DIS at small x . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 229-233. BFKL evolution and the growth with energy of exclusive$T\bar{T}Q_q(1,1)0.784311\bar{q}gST\langle Overline{f}10\bar{f}50\bar{f}57$	4.1	28
17	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block"><math>\langle mml:mi>j</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>mathvariant="normal">i</mml:mi></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block">T\bar{T}Q_q(1,1)0.784311\bar{q}gST\langle Overline{f}10\bar{f}50\bar{f}57</math>	4.7	41
18	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block"><math>\langle mml:mi>j</mml:mi></mml:math></mml:mrow></mml:math>photoproduction cross sections. Physical Review D, 2016, 94, .		

#	ARTICLE	IF	CITATIONS
19	Transverse momentum dependent splitting functions at work: Quark-to-gluon splitting. Physical Review D, 2016, 94, .	4.7	15
20	Transverse-momentum-dependent quark splitting functions in k_T -factorization: real contributions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
21	Single bottom quark production in k_T -factorisation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
22	Proton structure functions at small x . Journal of Physics: Conference Series, 2015, 651, 012011.	0.4	0
23	NLO vertex for a forward jet plus a rapidity gap at high energies. AIP Conference Proceedings, 2015, , .	0.4	1
24	The quark induced Mueller-Tang jet impact factor at next-to-leading order. Nuclear Physics B, 2014, 887, 309-337.	2.5	16
25	The gluon-induced Mueller-Tang jet impact factor at next-to-leading order. Nuclear Physics B, 2014, 889, 549-579.	2.5	17
26	The next-to-leading order vertex for a forward jet plus a rapidity gap at high energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 168-172.	4.1	21
27	Forward jet production & quantum corrections to the gluon Regge trajectory from Lipatov's high energy effective action. Physics of Particles and Nuclei, 2014, 45, 788-799.	0.7	21
28	HIGH ENERGY FACTORIZATION AT NLO: LIPATOV'S EFFECTIVE ACTION REVISITED. International Journal of Modern Physics Conference Series, 2014, 25, 1460027.	0.7	0
29	Gluon Regge trajectory at two loops from Lipatov's high energy effective action. Nuclear Physics B, 2013, 876, 453-472.	2.5	27
30	The Mueller-Tang jet impact factor at NLO from the high energy effective action. , 2013, , .	0	
31	The hard to soft Pomeron transition in small x DIS data using optimal renormalization. , 2013, , . $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" } display="inline" \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle F \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{and} \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" } display="inline" \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle F \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle L \langle / \text{mml:mi} \rangle \langle / \text{mml:msub} \rangle \langle / \text{mml:math} \rangle \text{at}$	0	
32	small $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" } display="inline" \rangle \langle \text{mml:msub} \langle \text{mml:mi} \rangle x \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle \text{using a collinearly improved BFKL resummation.}$	4.7	55
33	Phys. Next-to-leading order corrections to the gluon-induced forward jet vertex from the high energy effective action. Physical Review D, 2013, 87, .	4.7	28
34	Hard to Soft Pomeron Transition in Small- $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" } display="inline" \rangle \langle \text{mml:mi} \rangle x \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ Deep Inelastic Scattering Data Using Optimal Renormalization. Physical Review Letters, 2013, 110, 041601.	7.8	70
35	Proton structure functions and physical evolution kernels. , 2013, , .	0	
36	Recent results within Lipatov's high energy effective action. , 2013, , .	0	

#	ARTICLE	IF	CITATIONS
37	Computing the full two-loop gluon Regge trajectory within Lipatov's high energy effective action., 2013, ,.	1	
38	TMD quark distributions at small x., 2013, ,.	0	
39	Next-to-leading order jet vertex from Lipatov's QCD effective action. Physical Review D, 2012, 85, .	4.7	59
40	Pole prescription of higher order induced vertices in Lipatov's QCD effective action. Nuclear Physics B, 2012, 859, 129-142.	2.5	32
41	Quark contribution to the gluon Regge trajectory at NLO from the high energy effective action. Nuclear Physics B, 2012, 861, 133-144.	2.5	40
42	Forward Z-boson production and the unintegrated sea quark density. Nuclear Physics B, 2012, 865, 54-66.	2.5	53
43	The CCFM Monte Carlo generator CASCADE Version 2.2.03. European Physical Journal C, 2010, 70, 1237-1249.	3.9	142
44	High energy behavior of a six-point R-current correlator in $\mathcal{N} = 4$ supersymmetric Yang-Mills theory. Journal of High Energy Physics, 2010, 2010, 1.	4.7	4
45	The effective action and the triple Pomeron vertex. Nuclear Physics, Section B, Proceedings Supplements, 2010, 198, 108-111.	0.4	6
46	The triple Pomeron vertex in large- N_c QCD and the pair-of-pants topology. Journal of High Energy Physics, 2009, 2009, 103-103.	4.7	3
47	The topology of the triple Pomeron vertex in $\mathcal{N} = 4$ supersymmetric Yang-Mills theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 460-466.	4.1	4
48	Extension of the color glass condensate approach to diffractive reactions. Physical Review D, 2006, 73, .	4.7	23