

Matthias Neubert

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

8,685
citations

71102

41
h-index

60623

81
g-index

84
all docs

84
docs citations

84
times ranked

7154
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative quark jet function with an external gluon. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
2	A warped scalar portal to fermionic dark matter. European Physical Journal C, 2021, 81, 1.	3.9	9
3	Effective field theory for heavy vector resonances coupled to the Standard Model. Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
4	The low-energy effective theory of axions and ALPs. Journal of High Energy Physics, 2021, 2021, 1.	4.7	91
5	ALP \leftrightarrow SMEFT interference. Journal of High Energy Physics, 2021, 2021, 1.	4.7	20
6	Factorization at subleading power, Sudakov resummation, and endpoint divergences in soft-collinear effective theory. Physical Review D, 2021, 104, .	4.7	25
7	Consistent Treatment of Axions in the Weak Chiral Lagrangian. Physical Review Letters, 2021, 127, 081803.	7.8	33
8	Reading the footprints of the B-meson flavor anomalies. Journal of High Energy Physics, 2021, 2021, 1.	4.7	72
9	Factorization at subleading power and endpoint divergences in $h \rightarrow \gamma^* \gamma^* \gamma^*$ decay. Part II. Renormalization and scale evolution. Journal of High Energy Physics, 2021, 2021, 1.	4.7	26
10	Resummation of Super-Leading Logarithms. Physical Review Letters, 2021, 127, 212002.	7.8	12
11	Renormalization and scale evolution of the soft-quark soft function. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
12	Evolution of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle B \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ meson light-cone distribution amplitude in Laplace space. Physical Review D, 2020, 102, .	4.7	15
13	Renormalization, scale evolution, and a New Explanation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle a \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{1}^4 \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle a \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. Physical Review Letters, 2020, 124, 211803.	7.8	113
14	Infrared singularities of scattering amplitudes and N3LL resummation for n-jet processes. Journal of High Energy Physics, 2020, 2020, 1.	4.7	36
15	Factorization at subleading power and endpoint-divergent convolutions in $h \rightarrow \gamma^* \gamma^* \gamma^*$ decay. Journal of High Energy Physics, 2020, 2020, 1.	4.7	39
16	Two-loop radiative jet function for exclusive B-meson and Higgs decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	27
17	Axion-like particles at future colliders. European Physical Journal C, 2019, 79, 1.	3.9	125
18	Long-lived particles at the energy frontier: the MATHUSLA physics case. Reports on Progress in Physics, 2019, 82, 116201.	20.1	220

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19	Effective theory for a heavy scalar coupled to the SM via vector-like quarks. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	34
20	Dynamical origin of fermion bulk masses in a warped extra dimension. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	12
21	Effective field theory after a new-physics discovery. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	16
22	LHC as an Axion Factory: Probing an Axion Explanation for $g\tilde{a}^*$ with Exotic Higgs Decays. <i>Physical Review Letters</i> , 2017, 119, 031802.	7.8	58
23	Collider probes of axion-like particles. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	266
24	Factorization and resummation for jet processes. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	53
25	Minimal Leptoquark Explanation for the R_{τ}^{ETQ} Anomaly. <i>Physical Review Letters</i> , 2016, 116, 192001.	7.8	89
26	Effective Field Theory for Jet Processes. <i>Physical Review Letters</i> , 2016, 116, 192001.	7.8	89
27	Nature of a New Scalar Particle via SZ Decays. <i>Physical Review Letters</i> , 2016, 117, 181801.	7.8	26
28	Exclusive weak radiative Higgs decays in the standard model and beyond. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	14
29	Diphoton resonance from a warped extra dimension. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	15
30	Exclusive radiative Z-boson decays to mesons with flavor-singlet components. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	7
31	Impact of warped extra dimensions on the dipole coefficients in $b \rightarrow s \gamma$ transitions. <i>Journal of High Energy Physics</i> , 2016, 2016, 1-57.	4.7	2
32	Higher-order QCD predictions for dark matter production in mono-Z searches at the LHC. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	24
33	Exclusive radiative Higgs decays as probes of light-quark Yukawa couplings. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	58
34	Exclusive radiative decays of W and Z bosons in QCD factorization. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	47
35	Automated NNLL $^{\text{A}}$ + NLO resummation for jet-veto cross sections. <i>European Physical Journal C</i> , 2015, 75, 154.	3.9	36
36	Higgs production and decay in models of a warped extra dimension with a bulk Higgs. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	25

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37	Higgs couplings and phenomenology in a warped extra dimension. Journal of High Energy Physics, 2015, 2015, 1.	4.7	8
38	Flavour, electroweak symmetry breaking and dark matter: state of the art and future prospects. European Physical Journal Plus, 2015, 130, 1.	2.6	3
39	5D perspective on Higgs production at the boundary of a warped extra dimension. Journal of High Energy Physics, 2014, 2014, 1.	4.7	23
40	Dipole operator constraints on composite Higgs models. European Physical Journal C, 2014, 74, 2945.	3.9	31
41	NNLL momentum-space resummation for stop-pair production at the LHC. Journal of High Energy Physics, 2014, 2014, 1.	4.7	18
42	Higgs decay into two photons in a warped extra dimension. European Physical Journal C, 2014, 74, 2857.	3.9	8
43	Approximate NNLO predictions for the stop-pair production cross section at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	26
44	Higgs-boson production at small transverse momentum. Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
45	Factorization and N ³ LLp+NNLO predictions for the Higgs cross section with a jet veto. Journal of High Energy Physics, 2013, 2013, 1.	4.7	92
46	Solution to the Flavor Problem of Warped Extra-Dimension Models. Physical Review Letters, 2012, 108, 081603.	7.8	23
47	Soft-gluon resummation for slepton-pair production at hadron colliders. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
48	Higgs production in a warped extra dimension. Journal of High Energy Physics, 2012, 2012, 1.	4.7	32
49	Electroweak gauge-boson production at small q_T : Infrared safety from the collinear anomaly. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
50	Bounds on warped extra dimensions from a Standard Model-like Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 23-28.	4.1	29
51	Top-pair forward-backward asymmetry beyond next-to-leading order. Physical Review D, 2011, 84, .	4.7	67
52	Precision predictions for the $t\bar{t}$ production cross section at hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 703, 135-141.	4.1	76
53	Drell-Yan production at small q_T , transverse parton distributions and the collinear anomaly. European Physical Journal C, 2011, 71, 1.	3.9	311
54	RG-improved single-particle inclusive cross sections and forward-backward asymmetry in $t\bar{t}$ production at hadron colliders. Journal of High Energy Physics, 2011, 2011, 1.	4.7	68

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55	Factorization at subleading power and irreducible uncertainties in $B \rightarrow X_s \gamma$ decay. Journal of High Energy Physics, 2010, 2010, 1.	4.7	81
56	Renormalization-group improved predictions for top-quark pair production at hadron colliders. Journal of High Energy Physics, 2010, 2010, 1.	4.7	196
57	Renormalization-group improved prediction for Higgs production at hadron colliders. European Physical Journal C, 2009, 62, 333-353.	4.1	32
58	Two-Loop Divergences of QCD Scattering Amplitudes with Massive Partons. Physical Review Letters, 2009, 103, 201601.	7.8	108
59	Infrared Singularities of Scattering Amplitudes in Perturbative QCD. Physical Review Letters, 2009, 102, 162001.	7.8	293
60	Two-loop divergences of massive scattering amplitudes in non-abelian gauge theories. Journal of High Energy Physics, 2009, 2009, 062-062.	4.7	124
61	Renormalization-group improved prediction for Higgs production at hadron colliders. European Physical Journal C, 2009, 62, 333-353.	3.9	163
62	Infrared singularities of QCD amplitudes with massive partons. Physical Review D, 2009, 79, .	4.7	123
63	On the structure of infrared singularities of gauge-theory amplitudes. Journal of High Energy Physics, 2009, 2009, 081-081.	4.7	269
64	Dynamical threshold enhancement and resummation in Drell-Yan production. Journal of High Energy Physics, 2008, 2008, 030-030.	4.7	193
65	Enhanced nonlocal power corrections to the $B \rightarrow X_s \gamma$ decay rate. Physical Review D, 2007, 75, .	4.7	36
66	Factorization and momentum-space resummation in deep-inelastic scattering. Journal of High Energy Physics, 2007, 2007, 076-076.	4.7	209
67	Threshold Resummation in Momentum Space from Effective Field Theory. Physical Review Letters, 2006, 97, 082001.	7.8	153
68	EFFECTIVE FIELD THEORY AND HEAVY QUARK PHYSICS. , 2006, , .		8
69	Theory of charmless inclusive B decays and the extraction of V_{ub} . Physical Review D, 2005, 72, .	4.7	141
70	Model-independent properties of the B -meson distribution amplitude. Physical Review D, 2005, 72, .	4.7	73
71	Sudakov Resummation for Subleading SCET Currents and Heavy-to-Light Form Factors. Journal of High Energy Physics, 2004, 2004, 081-081.	4.7	89
72	SOFT-COLLINEAR FACTORIZATION AND THE CALCULATION OF THE $B \rightarrow X_s \gamma$ RATE. , 2004, , .		0

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73	Renormalization-Group Evolution of the B-Meson Light-Cone Distribution Amplitude. Physical Review Letters, 2003, 91, 102001.	7.8	127
74	QCD factorization for $B \rightarrow P$ and $B \rightarrow PV$ decays. Nuclear Physics B, 2003, 675, 333-415.	2.5	737
75	Flavor-singlet B-decay amplitudes in QCD factorization. Nuclear Physics B, 2003, 651, 225-248.	2.5	194
76	Spectator interactions in soft-collinear effective theory. Nuclear Physics B, 2003, 657, 229-256.	2.5	110
77	Neutrino masses and mixings in non-factorizable geometry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 474, 361-371.	4.1	704
78	NON-LEPTONIC WEAK DECAYS OF B MESONS. Advanced Series on Directions in High Energy Physics, 1998, , 294-344.	0.7	88
79	Heavy-quark symmetry. Physics Reports, 1994, 245, 259-395.	25.6	1,242
80	Consistent analysis of the $\Delta I = 1/2$ rule in strange particle decays. Physical Review D, 1991, 44, 775-793.	4.7	46