

Leif LÅnnblad

List of Publications by Year in descending order

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84
papers

7,256
citations

109321

35
h-index

76900

74
g-index

85
all docs

85
docs citations

85
times ranked

8056
citing authors

#	ARTICLE	IF	CITATIONS
1	High-energy-physics event generation with Pythia. Computer Physics Communications, 2001, 135, 238-259.	7.5	1,932
2	Comparative study of various algorithms for the merging of parton showers and matrix elements in hadronic collisions. European Physical Journal C, 2008, 53, 473-500.	3.9	713
3	Ariadne version 4 – A program for simulation of QDC cascades implementing the colour dipole model. Computer Physics Communications, 1992, 71, 15-31.	7.5	678
4	Rivet user manual. Computer Physics Communications, 2013, 184, 2803-2819.	7.5	379
5	General-purpose event generators for LHC physics. Physics Reports, 2011, 504, 145-233.	25.6	337
6	A standard format for Les Houches Event Files. Computer Physics Communications, 2007, 176, 300-304.	7.5	295
7	Correcting the Colour-Dipole Cascade Model with Fixed Order Matrix Elements. Journal of High Energy Physics, 2002, 2002, 046-046.	4.7	234
8	JETNET 3.0 – A versatile artificial neural network package. Computer Physics Communications, 1994, 81, 185-220.	7.5	169
9	Merging multi-leg NLO matrix elements with parton showers. Journal of High Energy Physics, 2013, 2013, 1.	4.7	140
10	Matching tree-level matrix elements with interleaved showers. Journal of High Energy Physics, 2012, 2012, 1.	4.7	135
11	Robust Independent Validation of Experiment and Theory: Rivet version 3. SciPost Physics, 2020, 8, .	4.9	129
12	Effects of overlapping strings in pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	113
13	The Angantyr model for heavy-ion collisions in Pythia8. Journal of High Energy Physics, 2018, 2018, 1.	4.7	94
14	Using neural networks to identify jets. Nuclear Physics B, 1991, 349, 675-702.	2.5	90
15	Contribution of indoor-generated particles to residential exposure. Atmospheric Environment, 2015, 106, 458-466.	4.1	88
16	Systematics of quark/gluon tagging. Journal of High Energy Physics, 2017, 2017, 1.	4.7	86
17	Bose-Einstein effects and W mass determinations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 351, 293-301.	4.1	84
18	Small-x phenomenology – Summary of the 3rd Lund small-x workshop in 2004. European Physical Journal C, 2006, 48, 53-105.	3.9	78

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19	Modelling Bose-Einstein correlations at LEP 2. European Physical Journal C, 1998, 2, 165.	3.9	78
20	Unitarising matrix element + parton shower merging. Journal of High Energy Physics, 2013, 2013, 1.	4.7	69
21	Extending CKKW-merging to one-loop matrix elements. Journal of High Energy Physics, 2008, 2008, 070-070.	4.7	68
22	Finding gluon jets with a neural trigger. Physical Review Letters, 1990, 65, 1321-1324.	7.8	67
23	Collectivity without plasma in hadronic collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 58-63.	4.1	64
24	W+jets matrix elements and the dipole cascade. Journal of High Energy Physics, 2005, 2005, 054-054.	4.7	63
25	CLHEP—a project for designing a C++ class library for high energy physics. Computer Physics Communications, 1994, 84, 307-316.	7.5	61
26	Pattern recognition in high energy physics with artificial neural networks — JETNET 2.0. Computer Physics Communications, 1992, 70, 167-182.	7.5	60
27	Inclusive and exclusive observables from dipoles in high energy collisions. Journal of High Energy Physics, 2011, 2011, 1.	4.7	58
28	Rapidity gaps and other final state properties in the colour dipole model for deep inelastic scattering. Zeitschrift für Physik C-Particles and Fields, 1995, 65, 285-291.	1.5	51
29	New and old jet clustering algorithms for electron-positron events. Journal of High Energy Physics, 1998, 1998, 001-001.	4.7	51
30	Gluon splitting in the colour dipole cascades. Nuclear Physics B, 1990, 339, 393-405.	2.5	50
31	Reconnecting coloured dipoles. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 107-113.	1.5	48
32	Energy conservation and saturation in small-x-evolution. Journal of High Energy Physics, 2005, 2005, 062-062.	4.7	46
33	The linked dipole chain Monte Carlo. Journal of High Energy Physics, 1998, 1998, 006-006.	4.7	43
34	Modelling Bose-Einstein correlations at LEP 2. European Physical Journal C, 1998, 2, 165-180.	3.9	35
35	Elastic and quasi-elastic pp and $\bar{p} \rightarrow p$ scattering in the dipole model. European Physical Journal C, 2009, 60, 233-247.	3.9	35
36	Correlations in double parton distributions at small x. Journal of High Energy Physics, 2011, 2011, 1.	4.7	34

#	ARTICLE	IF	CITATIONS
37	Diffractive and non-diffractive wounded nucleons and final states in pA collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33
38	Merging parton showers and matrix elements back to basics. Journal of High Energy Physics, 2008, 2008, 085-085.	4.7	30
39	Fooling around with the Sudakov veto algorithm. European Physical Journal C, 2013, 73, 1.	3.9	29
40	Hard colour singlet exchange at the Tevatron. Journal of High Energy Physics, 1999, 1999, 023-023.	4.7	27
41	Pythia version 7-0.0 a proof-of-concept version. Computer Physics Communications, 2001, 134, 365-391.	7.5	25
42	A parton shower for High Energy Jets. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
43	The HepMC3 event record library for Monte Carlo event generators. Computer Physics Communications, 2021, 260, 107310.	7.5	23
44	Challenges in Monte Carlo Event Generator Software for High-Luminosity LHC. Computing and Software for Big Science, 2021, 5, 1.	2.9	23
45	Small-x-dipole evolution beyond the large-N _c limit. Journal of High Energy Physics, 2007, 2007, 012-012.	4.7	22
46	Self-organizing networks for extracting jet features. Computer Physics Communications, 1991, 67, 193-209.	7.5	18
47	Gluon Distribution Functions in the k_T -factorization Approach. Journal of High Energy Physics, 2002, 2002, 005-005.	4.7	18
48	Setting the string shoving picture in a new frame. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
49	ThePEG, Pythia7, herwig++ and Ariadne. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 559, 246-248.	1.6	17
50	ARCLUS A new jet clustering algorithm inspired by the Colour Dipole Model. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 471-478.	1.5	16
51	QCD challenges from pp to A collisions. European Physical Journal A, 2020, 56, 1.	2.5	16
52	Development strategies for Pythia version 7. A new HEP event generator. Computer Physics Communications, 1999, 118, 213-228.	7.5	15
53	QCD-suppression by black hole production at the LHC. Journal of High Energy Physics, 2005, 2005, 019-019.	4.7	14
54	Uncertainties on central exclusive scalar luminosities from the unintegrated gluon distributions. Journal of High Energy Physics, 2005, 2005, 038-038.	4.7	14

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55	Diffractive excitation in DIS and pp collisions. Journal of High Energy Physics, 2007, 2007, 012-012.	4.7	14
56	Classical and non-classical ADD-phenomenology with high- E_{jet} observables at collider experiments. Journal of High Energy Physics, 2006, 2006, 088-088.	4.7	13
57	Exclusive final states in diffractive excitation. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
58	Central Exclusive Scalar Luminosities from the Linked Dipole Chain Model gluon densities. Journal of High Energy Physics, 2004, 2004, 042-042.	4.7	9
59	Total, inelastic and (quasi-)elastic cross sections of high energy pA and $\bar{p}A$ reactions with the dipole formalism. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
60	Confronting experimental data with heavy-ion models: Rivet for heavy ions. European Physical Journal C, 2020, 80, 1.	3.9	8
61	StringSpinner - adding spin to the PYTHIA string fragmentation. Computer Physics Communications, 2022, 272, 108234.	7.5	8
62	Colour reconnections and rapidity gaps. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, 947-949.	3.6	7
63	Hadronic collisions in the linked dipole chain model. Physical Review D, 2003, 67, .	4.7	7
64	Hyperfine splitting effects in string hadronization. European Physical Journal C, 2022, 82, 1.	3.9	6
65	LDCMC version 1.0. Computer Physics Communications, 1999, 123, 153-163.	7.5	5
66	Generation of central exclusive final states. European Physical Journal C, 2016, 76, 1.	3.9	5
67	Merging high energy with soft and collinear logarithms using HEJ and PYTHIA. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
68	Report of the heavy flavours working group. Journal of Physics G: Nuclear and Particle Physics, 1991, 17, 1605-1623.	3.6	3
69	The MC++ event generator toolkit " version 0. Computer Physics Communications, 1992, 71, 1-14.	7.5	2
70	Outstanding problems in the phenomenology of hard diffractive scattering. Journal of Physics G: Nuclear and Particle Physics, 2000, 26, 667-671.	3.6	2
71	Four-jet double parton scattering production in proton-nucleus collisions within the pythia8 framework. Physical Review D, 2020, 102, .	4.7	2
72	Status of the Pythia7 project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 502, 549-551.	1.6	1

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73	String effects on Fermi-Dirac correlation measurements. European Physical Journal C, 2007, 52, 113-119.	3.9	1
74	The Angantyr model for heavy ions in Pythia8. Nuclear Physics A, 2021, 1005, 121873.	1.5	1
75	Small-x phenomenology – Summary of the 3rd Lund small-x workshop in 2004. , 0, .		1
76	THEPEG, HERWIG++ AND ARIADNE. , 2007, , .		1
77	Twist and finite size effects for the source method. Zeitschrift für Physik C-Particles and Fields, 1989, 42, 289-296.	1.5	0
78	Some comments on the current status of event generators for small-x. Journal of Physics G: Nuclear and Particle Physics, 2000, 26, 707-711.	3.6	0
79	CEDAR: progress and status report. Journal of Physics: Conference Series, 2008, 119, 052006.	0.4	0
80	Modelling pp, pA and AA in Pythia8. EPJ Web of Conferences, 2019, 208, 11003.	0.3	0
81	HepMC3 Event Record Library for Monte Carlo Event Generators. Journal of Physics: Conference Series, 2020, 1525, 012017.	0.4	0
82	HADRONIC FINAL STATE PREDICTIONS FROM CCFM GENERATORS. , 2002, , .		0
83	CKKW merging at NLO. , 2009, , .		0
84	Dipoles in Impact Parameter Space and Rapidity. Advanced Series on Directions in High Energy Physics, 2018, , 359-376.	0.7	0