Leif Lönnblad

List of Publications by Year
in descending order

84	7,256	109321	76900
papers	citations	35	74
		h-index	g-index

85	85	85	8056
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	StringSpinner - adding spin to the PYTHIA string fragmentation. Computer Physics Communications, 2022, 272, 108234.	7.5	8
2	Hyperfine splitting effects in string hadronization. European Physical Journal C, 2022, 82, 1.	3.9	6
3	The HepMC3 event record library for Monte Carlo event generators. Computer Physics Communications, 2021, 260, 107310.	7.5	23
4	The Angantyr model for heavy ions in Pythia8. Nuclear Physics A, 2021, 1005, 121873.	1.5	1
5	Setting the string shoving picture in a new frame. Journal of High Energy Physics, 2021, 2021, 1.	4.7	18
6	Challenges in Monte Carlo Event Generator Software for High-Luminosity LHC. Computing and Software for Big Science, 2021, 5, 1.	2.9	23
7	HepMC3 Event Record Library for Monte Carlo Event Generators. Journal of Physics: Conference Series, 2020, 1525, 012017.	0.4	0
8	QCD challenges from pp to A–A collisions. European Physical Journal A, 2020, 56, 1.	2.5	16
9	Four-jet double parton scattering production in proton-nucleus collisions within the pythia8 framework. Physical Review D, 2020, 102, .	4.7	2
10	Confronting experimental data with heavy-ion models: Rivet for heavy ions. European Physical Journal C, 2020, 80, 1.	3.9	8
11	Robust Independent Validation of Experiment and Theory: Rivet version 3. SciPost Physics, 2020, 8, .	4.9	129
12	Modelling pp, pA and AA in Pythia8. EPJ Web of Conferences, 2019, 208, 11003.	0.3	0
13	The Angantyr model for heavy-ion collisions in Pythia8. Journal of High Energy Physics, 2018, 2018, 1.	4.7	94
14	Merging high energy with soft and collinear logarithms using HEJ and PYTHIA. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
15	Collectivity without plasma in hadronic collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 58-63.	4.1	64
16	Dipoles in Impact Parameter Space and Rapidity. Advanced Series on Directions in High Energy Physics, 2018, , 359-376.	0.7	0
17	Systematics of quark/gluon tagging. Journal of High Energy Physics, 2017, 2017, 1.	4.7	86
18	Generation of central exclusive final states. European Physical Journal C, 2016, 76, 1.	3.9	5

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19	Diffractive and non-diffractive wounded nucleons and final states in pA collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	33
20	Total, inelastic and (quasi-)elastic cross sections of high energy pA and γ ∗ A reactions with the dipole formalism. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
21	Contribution of indoor-generated particles to residential exposure. Atmospheric Environment, 2015, 106, 458-466.	4.1	88
22	Effects of overlapping strings in pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	113
23	Merging multi-leg NLO matrix elements with parton showers. Journal of High Energy Physics, 2013, 2013, 1.	4.7	140
24	Unitarising matrix element + parton shower merging. Journal of High Energy Physics, 2013, 2013, 1.	4.7	69
25	Fooling around with the Sudakov veto algorithm. European Physical Journal C, 2013, 73, 1.	3.9	29
26	Rivet user manual. Computer Physics Communications, 2013, 184, 2803-2819.	7.5	379
27	Exclusive final states in diffractive excitation. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
28	Matching tree-level matrix elements with interleaved showers. Journal of High Energy Physics, 2012, 2012, 1.	4.7	135
29	Correlations in double parton distributions at small x. Journal of High Energy Physics, 2011, 2011, 1.	4.7	34
30	A parton shower for High Energy Jets. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
31	Inclusive and exclusive observables from dipoles in high energy collisions. Journal of High Energy Physics, 2011, 2011, 1.	4.7	58
32	General-purpose event generators for LHC physics. Physics Reports, 2011, 504, 145-233.	25.6	337
33	Elastic and quasi-elastic pp and γ ∗ p scattering in the dipole model. European Physical Journal C, 2009, 60, 233-247.	3.9	35
34	CKKW merging at NLO. , 2009, , .		0
35	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
36	Extending CKKW-merging to one-loop matrix elements. Journal of High Energy Physics, 2008, 2008, 070-070.	4.7	68

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37	Merging parton showers and matrix elements—back to basics. Journal of High Energy Physics, 2008, 2008, 085-085.	4.7	30
38	CEDAR: progress and status report. Journal of Physics: Conference Series, 2008, 119, 052006.	0.4	0
39	Small-x dipole evolution beyond the large-N limit. Journal of High Energy Physics, 2007, 2007, 012-012.	4.7	22
40	Diffractive excitation in DIS and <i>pp</i> collisions. Journal of High Energy Physics, 2007, 2007, 012-012.	4.7	14
41	String effects on Fermi—Dirac correlation measurements. European Physical Journal C, 2007, 52, 113-119.	3.9	1
42	A standard format for Les Houches Event Files. Computer Physics Communications, 2007, 176, 300-304.	7.5	295
43	THEPEG, HERWIG++ AND ARIADNE. , 2007, , .		1
44	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
45	Small-x phenomenology — Summary of the 3rd Lund small-x workshop in 2004. European Physical Journal C, 2006, 48, 53-105.	3.9	78
46	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
47	QCD-supression by black hole production at the LHC. Journal of High Energy Physics, 2005, 2005, 019-019.	4.7	14
48	Energy conservation and saturation in small-x evolution. Journal of High Energy Physics, 2005, 2005, 062-062.	4.7	46
49	Uncertainties on central exclusive scalar luminosities from the unintegrated gluon distributions. Journal of High Energy Physics, 2005, 2005, 038-038.	4.7	14
50	W+jets matrix elements and the dipole cascade. Journal of High Energy Physics, 2005, 2005, 054-054.	4.7	63
51	Central Exclusive Scalar Luminosities from the Linked Dipole Chain Model gluon densities. Journal of High Energy Physics, 2004, 2004, 042-042.	4.7	9
52	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
53	Hadronic collisions in the linked dipole chain model. Physical Review D, 2003, 67, .	4.7	7
54	Gluon Distribution Functions in the k⊥-factorization Approach. Journal of High Energy Physics, 2002, 2002, 005-005.	4.7	18

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55	Correcting the Colour-Dipole Cascade Model with Fixed Order Matrix Elements. Journal of High Energy Physics, 2002, 2002, 046-046.	4.7	234
56	HADRONIC FINAL STATE PREDICTIONS FROM CCFM GENERATORS. , 2002, , .		0
57	Pythia version 7-0.0 â€" a proof-of-concept version. Computer Physics Communications, 2001, 134, 365-391.	7.5	25
58	High-energy-physics event generation with PythiaÂ6.1. Computer Physics Communications, 2001, 135, 238-259.	7.5	1,932
59	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
60	Outstanding problems in the phenomenology of hard diffractive scattering. Journal of Physics G: Nuclear and Particle Physics, 2000, 26, 667-671.	3.6	2
61	Hard colour singlet exchange at the Tevatron. Journal of High Energy Physics, 1999, 1999, 023-023.	4.7	27
62	Development strategies for Pythia version 7. A new HEP event generator. Computer Physics Communications, 1999, 118, 213-228.	7.5	15
63	LDCMC version 1.0. Computer Physics Communications, 1999, 123, 153-163.	7.5	5
64	Modelling Boseâ€"Einstein correlations at LEP 2. European Physical Journal C, 1998, 2, 165-180.	3.9	35
65	New and old jet clustering algorithms for electron-positron events. Journal of High Energy Physics, 1998, 1998, 001-001.	4.7	51
66	The linked dipole chain Monte Carlo. Journal of High Energy Physics, 1998, 1998, 006-006.	4.7	43
67	Modelling Boseâ€"Einstein correlations at LEP 2. European Physical Journal C, 1998, 2, 165.	3.9	78
68	Reconnecting coloured dipoles. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1996, 70, 107-113.	1.5	48
69	Colour reconnections and rapidity gaps. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, 947-949.	3.6	7
70	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
71	Rapidity gaps and other final state properties in the colour dipole model for deep inelastic scattering. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1995, 65, 285-291.	1.5	51
72	JETNET 3.0â€"A versatile artificial neural network package. Computer Physics Communications, 1994, 81, 185-220.	7.5	169

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73	CLHEP—a project for designing a C++ class library for high energy physics. Computer Physics Communications, 1994, 84, 307-316.	7.5	61
74	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
75	Pattern recognition in high energy physics with artificial neural networks — JETNET 2.0. Computer Physics Communications, 1992, 70, 167-182.	7.5	60
76	The MC++ event generator toolkit — version 0. Computer Physics Communications, 1992, 71, 1-14.	7.5	2
77	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
78	Using neural networks to identify jets. Nuclear Physics B, 1991, 349, 675-702.	2.5	90
79	Self-organizing networks for extracting jet features. Computer Physics Communications, 1991, 67, 193-209.	7.5	18
80	Report of the heavy flavours working group. Journal of Physics G: Nuclear and Particle Physics, 1991, 17, 1605-1623.	3.6	3
81	Finding gluon jets with a neural trigger. Physical Review Letters, 1990, 65, 1321-1324.	7.8	67
82	Gluon splitting in the colour dipole cascades. Nuclear Physics B, 1990, 339, 393-405.	2.5	50
83	Twist and finite size effects for the source method. Zeitschrift Für Physik C-Particles and Fields, 1989, 42, 289-296.	1.5	0
84	Small-x phenomenology — Summary of the 3rd Lund small-x workshop in 2004. , 0, .		1