

JiÅ- FormÅ;nek

List of Publications by Year in descending order

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97
papers

4,153
citations

109321

35
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110387

64
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98
all docs

98
docs citations

98
times ranked

4414
citing authors

#	ARTICLE	IF	CITATIONS
1	The H1 detector at HERA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 386, 310-347.	1.6	321
2	Measurement of the proton structure function $F_2(x, Q^2)$ in the low-x region at HERA. Nuclear Physics B, 1993, 407, 515-535.	2.5	235
3	The tracking, calorimeter and muon detectors of the H1 experiment at HERA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 386, 348-396.	1.6	203
4	First measurement of the deep-inelastic structure of proton diffraction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 681-696.	4.1	170
5	Deep inelastic scattering events with a large rapidity gap at HERA. Nuclear Physics B, 1994, 429, 477-502.	2.5	166
6	A measurement of the proton structure function $F_2(x, Q^2)$. Nuclear Physics B, 1995, 439, 471-502.	2.5	166
7	The H1 liquid argon calorimeter system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 336, 460-498.	1.6	158
8	Elastic photoproduction of J/ψ and Υ mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 23-35.	4.1	153
9	Measurement of deeply virtual Compton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 47-58.	4.1	144
10	Evidence for a narrow anti-charmed baryon state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 588, 17-28.	4.1	120
11	On the rise of the proton structure function F_2 towards low x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 520, 183-190.	4.1	104
12	Measurement of $D_s^+ \rightarrow \Lambda_c^+$ meson production and F_2^c in deep-inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 528, 199-214.	4.1	97
13	Inclusive D^0 and D^{*+} production in neutral current deep inelastic scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 593-605.	1.5	93
14	Wave Equations with Energy-Dependent Potentials. European Physical Journal D, 2004, 54, 289-316.	0.4	86
15	Total photoproduction cross section measurement at HERA energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 374-384.	4.1	84
16	Measurement of meson cross sections at HERA and determination of the gluon density in the proton using NLO QCD. Nuclear Physics B, 1999, 545, 21-44.	2.5	80
17	Hard scattering in $\hat{\gamma}p$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 297, 205-213.	4.1	78
18	Elastic electroproduction of $\tilde{\chi}_\pm$ and mesons at large Q^2 at HERA. Nuclear Physics B, 1996, 468, 3-33.	2.5	77

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19	A search for leptoquarks, leptogluons and excited leptons in H1 at HERA. Nuclear Physics B, 1993, 396, 3-23.	2.5	69
20	Diffraction dissociation in photoproduction at HERA. Zeitschrift FÄ¼r Physik C-Particles and Fields, 1997, 74, 221-235.	1.5	65
21	Measurement of elastic electroproduction of mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 360-372.	4.1	59
22	Transverse energy and forward jet production in the low x regime at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 356, 118-128.	4.1	56
23	On the possibility of obtaining particle scattering amplitudes from nuclear scattering processes. Nuclear Physics B, 1967, 3, 155-172.	2.5	54
24	Inclusive parton cross sections in photoproduction and photon structure. Nuclear Physics B, 1995, 445, 195-215.	2.5	49
25	High energy scattering of composite particles. Nuclear Physics B, 1969, 12, 441-459.	2.5	48
26	Diffraction photoproduction of J/ψ mesons with large momentum transfer at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 568, 205-218.	4.1	48
27	The gluon density of the proton at low x from a QCD analysis of F2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 354, 494-505.	4.1	47
28	Photoproduction of mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 507-518.	4.1	44
29	A search for leptoquarks at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 173-185.	4.1	43
30	First measurement of the charged current cross section at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 241-248.	4.1	41
31	Forward jet and particle production at HERA. Nuclear Physics B, 1999, 538, 3-22.	2.5	39
32	Search for compositeness, leptoquarks and large extra dimensions in eq contact interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 479, 358-370.	4.1	39
33	Observation of hard processes in rapidity gap events in p̂p interactions at HERA. Nuclear Physics B, 1995, 435, 3-20.	2.5	38
34	Charged particle multiplicities in deep inelastic scattering at HERA. Zeitschrift FÄ¼r Physik C-Particles and Fields, 1996, 72, 573-592.	1.5	37
35	Isolated electrons and muons in events with missing transverse momentum at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 241-257.	4.1	37
36	Jets and energy flow in photon-proton collisions at HERA. Zeitschrift FÄ¼r Physik C-Particles and Fields, 1996, 70, 17-30.	1.5	36

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37	Energy flow and charged particle spectra in deep inelastic scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1994, 63, 377-389.	1.5	35
38	A study of the fragmentation of quarks in e ⁺ p collisions at HERA. Nuclear Physics B, 1995, 445, 3-21.	2.5	35
39	Measurement of event shape variables in deep inelastic e ⁺ p scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 256-270.	4.1	31
40	Inclusive charged particle cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 176-186.	4.1	28
41	Determination of the strong coupling constant from jet rates in deep inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 346, 415-425.	4.1	28
42	Scaling violations of the proton structure function F ₂ at small x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 321, 161-167.	4.1	27
43	Three-jet production in deep-inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 515, 17-29.	4.1	26
44	Leptoquarks and compositeness scales from a contact interaction analysis of deep inelastic e ⁺ p scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 578-588.	4.1	25
45	Diffractive dijet production at HERA. European Physical Journal C, 1999, 6, 421-436.	3.9	25
46	Evolution of ep fragmentation and multiplicity distributions in the Breit frame. Nuclear Physics B, 1997, 504, 3-23.	2.5	24
47	Measurement of di-jet cross-sections in photoproduction and photon structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 36-48.	4.1	24
48	A search for leptoquarks and squarks at HERA. Zeitschrift für Physik C-Particles and Fields, 1994, 64, 545-558.	1.5	23
49	Low Q ² jet production at HERA and virtual photon structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 415, 418-434.	4.1	23
50	Search for new physics in e ⁺ p contact interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 568, 35-47.	4.1	23
51	Measurement of the inclusive di-jet cross section in photoproduction and determination of an effective parton distribution in the photon. European Physical Journal C, 1998, 1, 97.	3.9	22
52	A measurement of the t dependence of the helicity structure of diffractive meson electroproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 539, 25-39.	4.1	22
53	Measurement of charm and beauty photoproduction at HERA using $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	4.1	22
54	A direct determination of the gluon density in the proton at low x. Nuclear Physics B, 1995, 449, 3-21.	2.5	21

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55	Search for odderon-induced contributions to exclusive γe^0 photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 35-43.	4.1	21
56	Experimental study of hard photon radiation processes at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 529-542.	1.5	20
57	Photoproduction with a leading proton at HERA. Nuclear Physics B, 2001, 619, 3-21.	2.5	20
58	A search for leptoquark bosons in $e\hat{p}$ collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 234-242.	4.1	19
59	Muon pair production in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 28-40.	4.1	19
60	A measurement of multi-jet rates in deep-inelastic scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1994, 61, 59-66.	1.5	18
61	Observation of deep inelastic scattering at low x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 385-393.	4.1	17
62	Measurement of the total photon proton cross section and its decomposition at 200 GeV centre of mass energy. Zeitschrift für Physik C-Particles and Fields, 1995, 69, 27-38.	1.5	17
63	Measurement of the $e + \text{and } \hat{\nu}$ induced charged current cross sections at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 565-575.	1.5	15
64	$D\hat{s}^{\pm}$ meson production in deep-inelastic diffractive interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 520, 191-203.	4.1	15
65	Comparison of deep inelastic scattering with photoproduction interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 358, 412-422.	4.1	14
66	Search for excited neutrinos at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 9-16.	4.1	13
67	On a lie group of infinite order as a non-trivial coupling of intrinsic and space-time symmetries. European Physical Journal D, 1966, 16, 1-7.	0.4	12
68	A search for heavy leptons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 340, 205-216.	4.1	12
69	Total dissociation cross sections of halo nuclei. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 423-431.	3.6	9
70	$^{11}\text{Li}-^{12}\text{C}$ scattering as a four-body problem. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 87-100.	3.6	7
71	Search for light gravitinos in events with photons and missing transverse momentum at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 616, 31-42.	4.1	7
72	On the description of center of mass motion in the Glauber model. European Physical Journal D, 1972, 22, 1-8.	0.4	6

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73	On a mass formula without symmetry breaking. Il Nuovo Cimento A, 1966, 43, 741-751.	0.2	5
74	On \bar{p} - \bar{n} mixing without symmetry breaking. Nuclear Physics (journal), 1966, 87, 376-380.	1.9	5
75	Glauber model and time reversal invariance. European Physical Journal D, 1980, 30, 726-733.	0.4	5
76	Search for bosonic stop decays in R-parity violating supersymmetry in $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	4.1	5
77	On a Lie group of infinite order as a nontrivial coupling of an intrinsic and space-time symmetries II. European Physical Journal D, 1966, 16, 281-289.	0.4	4
78	A purity monitoring system for the H1 liquid argon calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 490, 204-222.	1.6	4
79	of the proton structure function $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www. Physics$	4.1	4
80	Scattering and nontrivial coupling of intrinsic and space-time symmetries. European Physical Journal D, 1967, 17, 99-111.	0.4	3
81	Elastic and dissociation scattering of halo nuclei. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 2107-2121.	3.6	3
82	Do extensive air shower data provide reliable information on the proton-proton total cross section?. Nuclear Physics B, 1975, 92, 427-444.	2.5	2
83	Does a high energy antideuteron beam provide a crystal ball for studying two-particle properties of nuclei?. European Physical Journal D, 1981, 31, 1256-1264.	0.4	2
84	High energy scattering of composite particles II. Classification of multiple scattering contributions. European Physical Journal D, 1969, 19, 1500-1509.	0.4	1
85	Is $(\ln s)^2$ rise in nucleon-nucleon total cross section excluded by cosmic ray data?. European Physical Journal D, 1976, 26, 81-85.	0.4	1
86	On the \tilde{A} šlehla-Petr \tilde{A} š wave equation. European Physical Journal D, 1961, 11, 545-553.	0.4	0
87	Right-handed and left-handed coordinate systems in theory of particles with spin 1/2. European Physical Journal D, 1964, 14, 657-666.	0.4	0
88	International summer school on symmetries in elementary particles physics. European Physical Journal D, 1965, 15, 299-300.	0.4	0
89	The mixing of elementary particles and the mass formula for bosons. European Physical Journal D, 1966, 16, 276-280.	0.4	0
90	Glauber model and unitary condition. European Physical Journal D, 1976, 26, 843-859.	0.4	0

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91	Is description of the deuteron as two nucleon bound state good enough?. European Physical Journal D, 1977, 27, 280-289.	0.4	0
92	On rigid projectile approximation in high energy nucleus-nucleus scattering. European Physical Journal D, 1981, 31, 1265-1272.	0.4	0
93	On mean number of collisions in high energy hadron-nucleus interaction. European Physical Journal D, 1983, 33, 389-400.	0.4	0
94	On the problem of multiplicities at high energy hadron-nucleus collisions. European Physical Journal D, 1983, 33, 135-148.	0.4	0
95	On the EMC effect. European Physical Journal D, 1988, 38, 1111-1121.	0.4	0
96	On the problem of large radiative corrections in deep inelastic scattering. European Physical Journal D, 1991, 41, 513-524.	0.4	0
97	On the problem of systems under the influence of imperfect instruments. Foundations of Physics, 1995, 25, 851-870.	1.3	0