

# JiÅÃ- FormÅ;nek

## List of Publications by Year in descending order

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97  
papers

4,153  
citations

109264

35  
h-index

110317

64  
g-index

98  
all docs

98  
docs citations

98  
times ranked

4414  
citing authors

#	ARTICLE	IF	CITATIONS
1	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. Measurement of charm and beauty photoproduction at HERA using $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	1.5	7
2	Wave Equations with Energy-Dependent Potentials. European Physical Journal D, 2004, 54, 289-316.	1.5	22
3	Wave Equations with Energy-Dependent Potentials. European Physical Journal D, 2004, 54, 289-316.	0.4	86
4	Muon pair production in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 28-40.	1.5	19
5	Evidence for a narrow anti-charmed baryon state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 588, 17-28. Measurement of the proton structure function $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	1.5	120
6	Measurement of the proton structure function $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	1.5	4
7	Measurement of the proton structure function $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co$	1.5	5
8	Search for new physics in $e\bar{A}+q$ contact interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 568, 35-47.	1.5	23
9	Diffraction photoproduction of $J/\psi$ mesons with large momentum transfer at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 568, 205-218.	1.5	48
10	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.	1.5	37
11	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.	0.7	4
12	Search for excited neutrinos at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 525, 9-16.	1.5	13
13	Measurement of $D_s^{\pm}$ 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.	1.5	97
14	A measurement of the $t$ dependence of the helicity structure of diffractive $\tilde{\rho}$ meson electroproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 539, 25-39.	1.5	22
15	Search for odderon-induced contributions to exclusive $\tilde{\rho}^0$ photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 35-43.	1.5	21
16	Photoproduction with a leading proton at HERA. Nuclear Physics B, 2001, 619, 3-21.	0.9	20
17	Three-jet production in deep-inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 515, 17-29.	1.5	26
18	Measurement of deeply virtual Compton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 47-58.	1.5	144

#	ARTICLE	IF	CITATIONS
19	On the rise of the proton structure function F2 towards low x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 520, 183-190.	1.5	104
20	Dâ±-Ä± meson production in deep-inelastic diffractive interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 520, 191-203.	1.5	15
21	A search for leptoquark bosons in eâ±p collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 523, 234-242.	1.5	19
22	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.	1.5	39
23	Elastic photoproduction of J/Ï and Ï mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 23-35.	1.5	153
24	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.	1.5	24
25	Measurement of elastic electroproduction of mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 360-372.	1.5	59
26	Elastic and dissociation scattering of halo nuclei. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 2107-2121.	1.4	3
27	Diffractive dijet production at HERA. European Physical Journal C, 1999, 6, 421-436.	1.4	25
28	Forward jet and particle production at HERA. Nuclear Physics B, 1999, 538, 3-22.	0.9	39
29	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.	0.9	80
30	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.	1.4	22
31	Total dissociation cross sections of halo nuclei. Journal of Physics G: Nuclear and Particle Physics, 1997, 23, 423-431.	1.4	9
32	Evolution of ep fragmentation and multiplicity distributions in the Breit frame. Nuclear Physics B, 1997, 504, 3-23.	0.9	24
33	Low Q2 jet production at HERA and virtual photon structure. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 415, 418-434.	1.5	23
34	Diffraction dissociation in photoproduction at HERA. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 221-235.	1.5	65
35	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.	1.5	31
36	The H1 detector at HERA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 386, 310-347.	0.7	321

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37	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.	0.7	203
38	Elastic electroproduction of $\tilde{t}$ and mesons at large $Q^2$ at HERA. Nuclear Physics B, 1996, 468, 3-33.	0.9	77
39	Jets and energy flow in photon-proton collisions at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 17-30.	1.5	36
40	Charged particle multiplicities in deep inelastic scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 573-592.	1.5	37
41	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
42	A search for leptoquarks at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 173-185.	1.5	43
43	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
44	On the problem of systems under the influence of imperfect instruments. Foundations of Physics, 1995, 25, 851-870.	0.6	0
45	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.	1.5	28
46	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.	1.5	170
47	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.	1.5	25
48	The gluon density of the proton at low $x$ from a QCD analysis of $F_2$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 354, 494-505.	1.5	47
49	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.	1.5	56
50	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.	1.5	14
51	Measurement of the $e^+ + \text{and } \hat{e}^+$ induced charged current cross sections at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 565-575.	1.5	15
52	Experimental study of hard photon radiation processes at HERA. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 529-542.	1.5	20
53	$^{11}\text{Li}$ - $^{12}\text{C}$ scattering as a four-body problem. Journal of Physics G: Nuclear and Particle Physics, 1995, 21, 87-100.	1.4	7
54	Observation of hard processes in rapidity gap events in $\hat{p}p$ interactions at HERA. Nuclear Physics B, 1995, 435, 3-20.	0.9	38

#	ARTICLE	IF	CITATIONS
55	Inclusive parton cross sections in photoproduction and photon structure. Nuclear Physics B, 1995, 445, 195-215.	0.9	49
56	A direct determination of the gluon density in the proton at low x. Nuclear Physics B, 1995, 449, 3-21.	0.9	21
57	A study of the fragmentation of quarks in e <sup>+</sup> -p collisions at HERA. Nuclear Physics B, 1995, 445, 3-21.	0.9	35
58	A measurement of the proton structure function F <sub>2</sub> (x, Q <sup>2</sup> ). Nuclear Physics B, 1995, 439, 471-502.	0.9	166
59	A search for heavy leptons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 340, 205-216.	1.5	12
60	Scaling violations of the proton structure function F <sub>2</sub> at small x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 321, 161-167.	1.5	27
61	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.	1.5	41
62	Inclusive charged particle cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 176-186.	1.5	28
63	Photoproduction of mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 507-518.	1.5	44
64	A search for leptoquarks and squarks at HERA. Zeitschrift für Physik C-Particles and Fields, 1994, 64, 545-558.	1.5	23
65	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
66	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
67	Deep inelastic scattering events with a large rapidity gap at HERA. Nuclear Physics B, 1994, 429, 477-502.	0.9	166
68	Observation of deep inelastic scattering at low x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 385-393.	1.5	17
69	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.	0.7	158
70	Total photoproduction cross section measurement at HERA energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 374-384.	1.5	84
71	Measurement of the proton structure function F <sub>2</sub> (x, Q <sup>2</sup> ) in the low-x region at HERA. Nuclear Physics B, 1993, 407, 515-535.	0.9	235
72	A search for leptoquarks, leptoquarks and excited leptons in H1 at HERA. Nuclear Physics B, 1993, 396, 3-23.	0.9	69

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73	Hard scattering in $\hat{1}^3p$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 297, 205-213.	1.5	78
74	On the problem of large radiative corrections in deep inelastic scattering. European Physical Journal D, 1991, 41, 513-524.	0.4	0
75	On the EMC effect. European Physical Journal D, 1988, 38, 1111-1121.	0.4	0
76	On mean number of collisions in high energy hadron-nucleus interaction. European Physical Journal D, 1983, 33, 389-400.	0.4	0
77	On the problem of multiplicities at high energy hadron-nucleus collisions. European Physical Journal D, 1983, 33, 135-148.	0.4	0
78	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
79	On rigid projectile approximation in high energy nucleus-nucleus scattering. European Physical Journal D, 1981, 31, 1265-1272.	0.4	0
80	Glauber model and time reversal invariance. European Physical Journal D, 1980, 30, 726-733.	0.4	5
81	Is description of the deuteron as two nucleon bound state good enough?. European Physical Journal D, 1977, 27, 280-289.	0.4	0
82	Glauber model and unitary condition. European Physical Journal D, 1976, 26, 843-859.	0.4	0
83	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
84	Do extensive air shower data provide reliable information on the proton-proton total cross section?. Nuclear Physics B, 1975, 92, 427-444.	0.9	2
85	On the description of center of mass motion in the Glauber model. European Physical Journal D, 1972, 22, 1-8.	0.4	6
86	High energy scattering of composite particles II. Classification of multiple scattering contributions. European Physical Journal D, 1969, 19, 1500-1509.	0.4	1
87	High energy scattering of composite particles. Nuclear Physics B, 1969, 12, 441-459.	0.9	48
88	On the possibility of obtaining particle scattering amplitudes from nuclear scattering processes. Nuclear Physics B, 1967, 3, 155-172.	0.9	54
89	Scattering and nontrivial coupling of intrinsic and space-time symmetries. European Physical Journal D, 1967, 17, 99-111.	0.4	3
90	On a mass formula without symmetry breaking. Il Nuovo Cimento A, 1966, 43, 741-751.	0.2	5

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91	On $\bar{K}^0$ mixing without symmetry breaking. Nuclear Physics (journal), 1966, 87, 376-380.	2.0	5
92	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
93	The mixing of elementary particles and the mass formula for bosons. European Physical Journal D, 1966, 16, 276-280.	0.4	0
94	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
95	International summer school on symmetries in elementary particles physics. European Physical Journal D, 1965, 15, 299-300.	0.4	0
96	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
97	On the $\bar{K}^0$ - $K^0$ wave equation. European Physical Journal D, 1961, 11, 545-553.	0.4	0