

Lidia Gärlich

List of Publications by Year in descending order

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Version: 2024-02-01

530
papers

24,229
citations

6254

80
h-index

16183

124
g-index

536
all docs

536
docs citations

536
times ranked

9029
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	1.5	486
2	Combined measurement and QCD analysis of the inclusive $e^{\pm} p$ scattering cross sections at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	458
3	Deep-inelastic inclusive ep scattering at low x and a determination of α_s . European Physical Journal C, 2001, 21, 33-61.	3.9	415
4	Enhanced production of multi-strange hadrons in high-multiplicity proton-proton collisions. Nature Physics, 2017, 13, 535-539.	16.7	399
5	Combination of measurements of inclusive deep inelastic $e^{\pm} p$ scattering cross sections and QCD analysis of HERA data. European Physical Journal C, 2015, 75, 1.	3.9	383
6	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
7	Multiplicity dependence of pion, kaon, proton and lambda production in $p^{\pm}Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	4.1	307
8	Production in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	7.8	270
9	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
10	Long-range angular correlations of π^0 , K and p in $p^{\pm}Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	4.1	235
11	Elastic J/ψ production at HERA. European Physical Journal C, 2006, 46, 585-603.	3.9	232
12	Measurement and QCD analysis of the diffractive deep-inelastic scattering cross section at HERA. European Physical Journal C, 2006, 48, 715-748.	3.9	213
13	Multi-strange baryon production at mid-rapidity in $Pb^{\pm}Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207.	4.1	210
14	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
15	Inclusive measurement of diffractive deep-inelastic $\vec{e}p$ scattering. Zeitschrift für Physik C-Particles and Fields, 1997, 76, 613-629.	1.5	201
16	Production of charged pions, kaons and protons at large transverse momenta in pp and $Pb^{\pm}Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207.	4.1	189
17	Measurement and QCD analysis of neutral and charged current cross sections at HERA. European Physical Journal C, 2003, 30, 1-32.	3.9	187
18	A measurement and QCD analysis of the proton structure function $F_2(x, Q^2)$ at HERA. Nuclear Physics B, 1996, 470, 3-38.	2.5	184

#	ARTICLE	IF	CITATIONS
19	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	7.8	182
20	Centrality, rapidity and transverse momentum dependence of meson elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.	7.8	182
21	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	7.8	171
22	suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 222302.	4.1	171
23	First measurement of the deep-inelastic structure of proton diffraction. Nuclear, Elementary Particle and High-Energy Physics, 1995, 348, 681-696.	4.1	170
24	Deep inelastic scattering events with a large rapidity gap at HERA. Nuclear Physics B, 1994, 429, 477-502.	2.5	166
25	A measurement of the proton structure function $F_2(x, Q^2)$. Nuclear Physics B, 1995, 439, 471-502.	2.5	166
26	Direct photon production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	4.1	163
27	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
28	Elastic photoproduction of J/ψ and ψ' mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 23-35.	4.1	153
29	Technical Design Report for the Upgrade of the ALICE Inner Tracking System. Journal of Physics C: Nuclear and Particle Physics, 2014, 41, 087002.	3.6	153
30	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	3.9	149
31	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 132302.	7.8	148
32	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
33	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 117, 182301.	7.8	138
34	Elastic and proton-dissociative photoproduction of J/ψ mesons at HERA. European Physical Journal C, 2013, 73, 1.	3.9	137
35	Centrality dependence of particle production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, 054907.	2.9	135
36	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	3.9	134

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37	Observation of events at very high \sqrt{s} in ep collisions at HERA. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 191-205.	1.5	132
38	Multiplicity dependence of the average transverse momentum in pp, pA, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	130
39	Multiparticle azimuthal correlations in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	2.9	130
40	Production of light nuclei and anti-nuclei in p-p and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	2.9	129
41	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=7$. European Physical Journal C, 2015, 75, 1.	3.9	125
42	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
43	Elliptic flow of identified hadrons in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	118
44	Multi-strange baryon production in p-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 389-401.	4.1	111
45	Measurement of the inclusive e^{\pm} p scattering cross section at high inelasticity y and of the structure function F_2 . European Physical Journal C, 2011, 71, 1.	3.9	110
46	Production of charged pions, kaons, and (anti-)protons in Pb-Pb and inelastic p-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2020, 101, .	2.9	110
47	Measurement of neutral and charged current cross sections in electron-proton collisions at high \sqrt{s} . European Physical Journal C, 2001, 19, 269-288.	3.9	107
48	Diffraction deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2006, 48, 749-766.	3.9	105
49	Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	4.1	105
50	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
51	Measurement of the charm and beauty structure functions using the H1 vertex detector at HERA. European Physical Journal C, 2010, 65, 89-109.	3.9	103
52	Measurement of F_2^c and F_2^b at low Q^2 and x using the H1 vertex detector at HERA. European Physical Journal C, 2006, 45, 23-33.	3.9	101
53	Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. European Physical Journal C, 2013, 73, 2662.	3.9	101

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55	Azimuthal anisotropy of meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2014, 89, 054907.	2.9	101
56	Measurement of deeply virtual Compton scattering and its t-dependence at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 659, 796-806.	4.1	100
57	Photoproduction off Protons in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2014, 112, 082301.	7.8	100
58	Measurement of the inclusive ep scattering cross section at low Q ² and x at HERA. <i>European Physical Journal C</i> , 2009, 63, 625.	3.9	99
59	Results from pion calibration runs for the H1 liquid argon calorimeter and comparisons with simulations. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1993, 336, 499-509.	1.6	98
60	Measurement of $D_s^+ - \bar{D}_s^+$ meson production and F _{2c} in deep-inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 528, 199-214.	4.1	97
61	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	97
62	Measurement of F_2^{charm} and F_2^{charm} at high Q ² using the H1 vertex detector at HERA. <i>European Physical Journal C</i> , 2005, 40, 349-359.	3.9	96
63	A measurement of the proton structure function F ₂ (x, Q ²) at low x and low Q ² at HERA. <i>Nuclear Physics B</i> , 1997, 497, 3-28.	2.5	95
64	Meson Production in Coherent γ -Pb Collisions at Large Transverse Momentum in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at the LHC. <i>Physical Review Letters</i> , 2016, 116, 022301.	7.8	94
65	Meson Production in Coherent γ -Pb Collisions at Large Transverse Momentum in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at the LHC. <i>Physical Review Letters</i> , 2016, 116, 022301.	4.1	93
66	Suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2017, 118, 022301.	4.1	92
67	Diffraction electroproduction of \bar{D}_s^+ and D_s^+ mesons at HERA. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	90
68	A model-independent partial-wave analysis of the $\bar{D}_s^+ D_s^-$ system produced at low four-momentum transfer in the reaction $\bar{D}_s^+ p \rightarrow \bar{D}_s^+ \bar{D}_s^- n$ at 17.2 GeV/c. <i>Nuclear Physics B</i> , 1979, 151, 46-70.	2.5	89
69	Measurement of the proton structure function F_2^{charm} at high Q ² using the H1 vertex detector at HERA. <i>European Physical Journal C</i> , 2005, 40, 349-359.	4.1	89
70	Measurement of quarkonium production at forward rapidity in $\sqrt{s_{NN}} = 7$ TeV pp collisions at the LHC. <i>European Physical Journal C</i> , 2014, 74, 2974.	3.9	89
71	Production of K_S^0 and ϕ mesons in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2016, 76, 245.	3.9	89
72	Multiplicity dependence of light-flavor hadron production in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at the LHC. <i>Physical Review C</i> , 2019, 99, 054907.	2.9	89

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73	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	88
74	Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, .	2.9	87
75	Small-x phenomenology - summary and status 2002. European Physical Journal C, 2004, 35, 67-98.	3.9	86
76	Meson production at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 95, .	2.9	86
77	Unveiling the strong interaction among hadrons at the LHC. Nature, 2020, 588, 232-238.	27.8	85
78	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
79	Measurement of open beauty production at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 467, 156-164.	4.1	83
80	Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 319-329.	4.1	82
81	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
82	Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 102301.	7.8	80
83	Measurement of charged particle transverse momentum spectra in deep inelastic scattering. Nuclear Physics B, 1997, 485, 3-22.	2.5	79
84	Hard scattering in $\hat{p}p$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 297, 205-213.	4.1	78
85	Elastic electroproduction of ρ^{\pm} and mesons at large Q^2 at HERA. Nuclear Physics B, 1996, 468, 3-33.	2.5	77
86	Measurement of an Excess in the Yield of ρ^{\pm} at Very Low Q^2 in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 102301.	7.8	77
87	Determination of the longitudinal proton structure function $F_L(x, Q^2)$ at low x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 393, 452-464.	4.1	76
88	Measurement and QCD analysis of jet cross sections in deep-inelastic positron-proton collisions at $\sqrt{s} = 300$ GeV. European Physical Journal C, 2001, 19, 289-311.	3.9	76
89	Measurement of inclusive $e p$ cross sections at high Q^2 at $\sqrt{s} = 225$ GeV and of the longitudinal proton structure function F_L at HERA. European Physical Journal C, 2014, 74, 1.	3.9	76
90	Measurement of leading neutron production in deep-inelastic scattering at HERA. European Physical Journal C, 2010, 68, 381-399.	3.9	75

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91	Anisotropic flow in XeXe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	3.9	74
92	Production of ^4He and ^3He in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	1.5	74
93	Charmonium production in deep inelastic scattering at HERA. European Physical Journal C, 1999, 10, 373.	3.9	74
94	Neutral pion production at midrapidity in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	72
95	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.	7.8	72
96	A precision measurement of the inclusive ep scattering cross section at HERA. European Physical Journal C, 2009, 64, 561-587.	3.9	71
97	Production of neutrons, tritons, and their antinuclei in collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	2.9	71
98	A search for leptoquarks, leptogluons and excited leptons in H1 at HERA. Nuclear Physics B, 1993, 396, 3-23.	2.5	69
99	A physical model describing the interaction of nuclear transport receptors with FG nucleoporin domain assemblies. ELife, 2016, 5, .	6.0	69
100	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	68
101	Centrality dependence of the pseudorapidity density distribution for charged particles in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	4.1	68
102	Suppression of Λ and $\bar{\Lambda}$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2018, 971, 1-20.	4.1	67
103	Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	4.1	67
104	Elastic photoproduction of ρ^{\pm} mesons at HERA. Nuclear Physics B, 1996, 463, 3-29.	2.5	66
105	Diffraction photoproduction of $\rho(2S)$ mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 541, 251-264.	4.1	66
106	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.	7.8	66
107	Diffraction dissociation in photoproduction at HERA. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 221-235.	1.5	65
108	Investigations of Anisotropic Flow Using Multiparticle Azimuthal Correlations in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2019, 123, 142301.	7.8	64

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109	Study of the $b\bar{c}$ interaction with femtoscopy correlations in p - p collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 354, 281-284.	4.1	64
110	Tests of QCD factorisation in the diffractive production of dijets in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 51, 549-568.	2.9	64
111	Tests of QCD factorisation in the diffractive production of dijets in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 51, 549-568.	3.9	63
112	Measurement of the mass and width of the charmed meson D_s^* (2010). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 278, 480-484.	4.1	62
113	Charged-particle multiplicities in proton-proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
114	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
115	Centrality and pseudorapidity dependence of the charged particle multiplicity density in Xe-Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 354, 281-284.	4.1	62
116	Deeply virtual Compton scattering and its beam charge asymmetry in p - p collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 391-399.	4.1	61
117	Jet production in ep collisions at low Q^2 and determination of $\hat{\sigma}$. European Physical Journal C, 2010, 67, 1-24.	3.9	61
118	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and Pb-Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	61
119	Jet production in ep collisions at high Q^2 and determination of $\hat{\sigma}$. European Physical Journal C, 2010, 65, 363-383.	3.9	60
120	Production of inclusive $\tilde{\chi}^0(1S)$ and $\tilde{\chi}^0(2S)$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 105-117.	5.02	60
121	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
122	Inclusive production of D^+ , D^0 , D_s^+ and D_s^{*+} mesons in deep inelastic scattering at HERA. European Physical Journal C, 2005, 38, 447-459.	3.9	59
123	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 232302.	7.8	58
124	Transverse momentum dependence of inclusive primary charged-particle production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	58
125	Inclusive deep inelastic scattering at high Q^2 with longitudinally polarised lepton beams at HERA. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
126	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

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127	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ and 2.76 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 777, 151-162.	4.7	55
128	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ and 2.76 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	55
129	Global polarization of Λ and Λ^0 hyperons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	2.9	55
130	Measurement of D^0 , D^+ , D^{*+} and D^+s production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	54
131	Measurement of leading proton and neutron production in deep-inelastic scattering at HERA. <i>European Physical Journal C</i> , 1999, 6, 587.	3.9	54
132	Electron/pion separation with the H1 LAr calorimeters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994, 344, 492-506.	1.6	52
133	Inelastic photoproduction of J/ψ mesons at HERA. <i>European Physical Journal C</i> , 2002, 25, 25-39.	3.9	52
134	Two- and three-pion quantum statistics correlations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2014, 89, .	3.9	51
135	Purification of protein complexes of defined subunit stoichiometry using a set of orthogonal, tag-cleaving proteases. <i>Journal of Chromatography A</i> , 2014, 1337, 106-115.	3.7	51
136	Inelastic production of J/ψ mesons in photoproduction and deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2010, 68, 401-420.	3.9	50
137	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	50
138	Linear and non-linear flow mode in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 68-80.	4.7	50
139	Energy dependence of forward-rapidity J/ψ and $\psi(2S)$ production in pp collisions at the LHC. <i>European Physical Journal C</i> , 2017, 77, 392.	3.9	50
140	Inclusive parton cross sections in photoproduction and photon structure. <i>Nuclear Physics B</i> , 1995, 445, 195-215.	2.5	49
141	Measurement of charged jet production cross sections and nuclear modification in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 68-81.	3.9	49
142	Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	49
143	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s}=5.02$ and 13 TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	49
144	Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in Pb-Pb Collisions at the LHC. <i>Physical Review Letters</i> , 2020, 125, 022301.	7.8	49

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145	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	49
146	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
147	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
148	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
149	Measurement of beauty production at HERA using events with muons and jets. European Physical Journal C, 2005, 41, 453-467.	3.9	47
150	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.9$ TeV. Physical Review C, 2015, 92, 014904.	2.9	47
151	A search for leptoquark bosons and lepton flavor violation in. European Physical Journal C, 1999, 11, 447.	3.9	46
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225	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	31
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256	A general search for new phenomena at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 257-268.	4.1	27
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264	Measurement of prompt photon cross sections in photoproduction at HERA. European Physical Journal C, 2005, 38, 437-445.	3.9	26
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267	Multiplicity dependence of inclusive Λ_c^+ production in pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 810, 135758.	4.1	26
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281	Investigation of power corrections to event shape variables measured in deep-inelastic scattering. European Physical Journal C, 2000, 14, 255-269.	3.9	24
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283	Measurement of charm and beauty dijet cross sections in photoproduction at HERA using the H1 vertex detector. European Physical Journal C, 2006, 47, 597-610.	3.9	24
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292	Search for new physics in e [±] q contact interactions at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 568, 35-47.	4.1	23
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294	Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 41-56.	4.1	23
295	Elliptic flow of muons from heavy-flavour hadron decays at forward rapidity in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> .	4.1	23
296	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s} = 7$ TeV and p-Pb collisions at $\sqrt{s} = 5.02$ TeV. <i>European Physical Journal C</i> , 2017, 77, 245.	3.9	23
297	Measurement of jet production cross sections in deep-inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	23
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299	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	23
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304	Measurement of charm and beauty photoproduction at HERA using $\sqrt{s} = 27.6$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 539, 235-240.	4.1	22
305	Multiplicity dependence of (p _T , n) and (p _T , 2n) production in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135501.	4.1	22
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435	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s_{NN}} = 5.02$ TeV Pb-Pb collisions. European Physical Journal C, 2020, 80, 1.	3.9	10
436	Elliptic Flow of Electrons from Beauty-Hadron Decays in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2021, 126, 162001.	7.8	10
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448	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
449	Prompt and non-prompt J/ψ production cross sections at midrapidity in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	9
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452	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8
453	Search for squarks in R-parity violating supersymmetry in e+e- collisions at HERA. European Physical Journal C, 2011, 71, 1.	3.9	8
454	Measurement of inclusive and dijet D* meson cross sections in photoproduction at HERA. European Physical Journal C, 2012, 72, 1.	3.9	8
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463	Measurement of the inclusive isolated photon production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	8
464	Kaon-nucleon strong interaction at low relative momentum via femtoscopy in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136708.	4.1	8
465	Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	8
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468	Observation of the hadronic final state charge asymmetry in high Q ² deep-inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 125-133.	4.1	7

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469	Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
470	Determination of electroweak parameters in polarised deep-inelastic scattering at HERA. European Physical Journal C, 2018, 78, 1.	3.9	7
471	Measurement of Z0-boson production at large rapidities in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 372-383.	4.1	7
472	Measurement of jet radial profiles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 372-383.	4.1	7
473	Measurement of Z0-boson production at large rapidities in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Physical Review C, 2019, 100, 014001.	2.9	7
474	Elliptic and triangular flow of (anti)deuterons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review C, 2020, 102, 014907.	2.9	7
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477	Production of light (anti)nuclei in pp collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	7
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481	Dielectron production in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
482	Measurement of nuclear effects on $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
483	Longitudinal and azimuthal correlations of low-particle transverse momentum correlations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 459-472.	4.1	6
484	Jet-associated deuteron production in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 819, 136440.	4.1	6
485	Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.44$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136481.	4.1	6
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487	Inclusive ψ/ψ' production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	6
488	Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	6
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495	Energy dependence of ϕ meson production at forward rapidity in pp collisions at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	5
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502	Combination of differential $d\hat{\sigma}/d\hat{A}_{\pm}$ cross-section measurements in deep-inelastic ep scattering at HERA. Journal of High Energy Physics, 2015, 2015, 1.	4.7	4
503	Longitudinal asymmetry and its effect on pseudorapidity distributions in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 20-32.	4.1	4
504	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4

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505	$\langle \hat{r} \rangle$ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
506	Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
507	Jet-hadron correlations measured relative to the second order event plane in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review C, 2020, 101, .	2.9	4
508	Dielectron production in proton-proton and proton-lead collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Physical Review C, 2020, 102, .	2.9	4
509	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
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513	ϕ meson production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	3
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518	Three- and four-jet production at low x at HERA. European Physical Journal C, 2008, 54, 389.	3.9	2
519	Charged-particle multiplicity fluctuations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	2
520	Inclusive $\hat{b}(1,520)$ production in 100 GeVp Be interactions. Zeitschrift für Physik C-Particles and Fields, 1982, 13, 273-276.	1.5	1
521	Measurement of D^* production in diffractive deep inelastic scattering at HERA. European Physical Journal C, 2017, 77, 1.	3.9	1
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523	Jet fragmentation transverse momentum distributions in pp and p-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
524	Λ^0 and (anti-) Λ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	1
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