

# Dirk Hoffmann

## List of Publications by Year in descending order

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217  
papers

15,761  
citations

12330

69  
h-index

20358

116  
g-index

223  
all docs

223  
docs citations

223  
times ranked

8512  
citing authors

#	ARTICLE	IF	CITATIONS
1	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
2	ATLAS pixel detector electronics and sensors. Journal of Instrumentation, 2008, 3, P07007-P07007.	1.2	494
3	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
4	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
5	Improved luminosity determination in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	3.9	362
6	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
7	Transverse momentum spectra for charged particles at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 118, 167-172.	4.1	263
8	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
9	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	3.9	248

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#	ARTICLE	IF	CITATIONS
19	Elastic photoproduction of $J/\psi$ and $\psi'$ mesons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 23-35.	4.1	153
20	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	146
21	Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	145
22	Measurement of the $\overline{t}t$ production cross-section using $e^+e^-$ events with $b$ -tagged jets in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	3.9	143
23	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	137
24	Elastic and proton-dissociative photoproduction of $J/\psi$ mesons at HERA. European Physical Journal C, 2013, 73, 1.	3.9	137
25	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
26	Measurement of the $Z/\gamma^*$ boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	131
27	Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8$ TeV proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.	4.7	128
28	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-$ in $\overline{t}t$ events using pp collision data at $\sqrt{s} = 7$ ; TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	126
29	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	3.9	121
30			

#	ARTICLE	IF	CITATIONS
37	Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2012, 72, 2043.	3.9	109
38	Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ TeV and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ TeV using the ATLAS detector. European Physical Journal C, 2013, 73, 2509.	3.9	105
39	Measurement of the charm and beauty structure functions using the HERA1 vertex detector at HERA. European Physical Journal C, 2010, 65, 89-109.	3.9	103
40	Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	102
41	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	100
42	Measurement of the inclusive ep scattering cross section at low $Q^2$ and $x$ at HERA. European Physical Journal C, 2009, 63, 625.	3.9	99
43	Measurement of $D^*_\pm$ 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.	4.1	97
44	A measurement of the proton structure function $F_2(x, Q^2)$ at low $x$ and low $Q^2$ at HERA. Nuclear Physics B, 1997, 497, 3-28.	2.5	95
45	The ATLAS Inner Detector commissioning and calibration. European Physical Journal C, 2010, 70, 787-821.	3.9	95
46	Inclusive $D^0$ and $D^*_\pm$ production in neutral current deep inelastic ep scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 593-605.	1.5	93
47	Measurements of the $W$ production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
48	Diffraction electroproduction of $\rho^+$ and $\rho^0$ mesons at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	90
49	Elastic and inelastic photoproduction of $J/\psi$ mesons at HERA. Nuclear Physics B, 1996, 472, 3-31.	2.5	89
50	Measurement of the proton structure function $F_2^L(x, Q^2)$ at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 665, 139-146.	4.1	89
51	Search for the $b\bar{b}\gamma$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
52	Jet mass and substructure of inclusive jets in $\sqrt{s}=7$ TeV pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
53	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	88
54	Search for neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	82

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55	ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	81
56	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
57	Measurement of charged particle transverse momentum spectra in deep inelastic scattering. Nuclear Physics B, 1997, 485, 3-22.	2.5	79
58	Light-quark and gluon jet discrimination in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	3.9	77
59	Search for dark matter in events with heavy quarks and missing transverse momentum in $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
60	Measurement of inclusive $e p$ cross sections at high $Q^2$ at $\sqrt{s}=225$ and $252$ GeV and of the longitudinal proton structure function $F_L$ at HERA. European Physical Journal C, 2014, 74, 1.	3.9	76
61	Measurement of leading neutron production in deep-inelastic scattering at HERA. European Physical Journal C, 2010, 68, 381-399.	3.9	75
62	Search for resonant diboson production in the $q\bar{q}$ final state in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
63	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	73
64	Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
65	A precision measurement of the inclusive ep scattering cross section at HERA. European Physical Journal C, 2009, 64, 561-587.	3.9	71
66	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
67	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 303.	3.9	70
68	Charged particle multiplicity distributions in proton-antiproton collisions at 540 GeV centre of mass energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 123, 108-114.	4.1	69
69	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$ in fully hadronic final states using pp collision data at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69
70	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	3.9	68
71	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
72	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $s\bar{s}$ collisions at $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	66

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73	Measurement of isolated-photon pair production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	64
74	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
75	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
76	Jet production in ep collisions at low $Q^2$ and determination of $\hat{\Gamma}_{\pm}$ s. European Physical Journal C, 2010, 67, 1-24.	3.9	61
77	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	3.9	61
78	Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ $\gamma^3$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	61
79	Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	61
80	Jet production in ep collisions at high $Q^2$ and determination of $\hat{\Gamma}_{\pm}$ s. European Physical Journal C, 2010, 65, 363-383.	3.9	60
81	Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.	3.9	60
82	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s}=8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
83	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
84	Measurement of $W \hat{\Gamma}_{\pm} Z$ production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
85	Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	59
86	Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
87	Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	59
88	Muon reconstruction efficiency and momentum resolution of the ATLAS experiment in proton-proton collisions at $\sqrt{s}=7$ TeV in 2010. European Physical Journal C, 2014, 74, 3034.	3.9	58
89	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
90	Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	56

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91	Search for direct top squark pair production in events with a $Z$ boson, $b$ -jets and missing transverse momentum in $\sqrt{s}=8$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883.	3.9	55
92	Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
93	Search for high-mass resonances decaying to dilepton final states in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
94	Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of $\sqrt{s}=7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.	4.7	53
95	Measurement of the cross-section for $W$ boson production in association with $b$ -jets in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	53
96	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
97	Performance of jet substructure techniques for large- $R$ jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
98	Measurement of the top quark mass with the template method in the $\text{Star}(t)$ $\text{omathrm}\{\text{lepton}\}+\text{mathrm}\{\text{jets}\}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	3.9	51
99	Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic $ep$ scattering at HERA. European Physical Journal C, 2018, 78, 1.	3.9	49
100	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.	4.1	48
101	Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$ TeV $pp$ collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	48
102	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3134.	3.9	48
103	Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	47
104	Measurement of distributions sensitive to the underlying event in inclusive $Z$ -boson production in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3195.	3.9	46
105	Measurement of inclusive jet production in deep-inelastic scattering at high and determination of the strong coupling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 134-144.	4.1	45
106	Measurement of the cross section for top-quark pair production in $pp$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector using final states with two high- $p_T$ leptons. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
107	Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	45
108	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	3.9	45

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109	Measurement of the $\tau$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
110	Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8$ TeV with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
111	Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
112	Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
113	Search for new particles in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	45
114	Search for the Standard Model Higgs boson in the $H \rightarrow \tau\tau$ decay mode in $\sqrt{s} = 7$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.	4.7	43
115	Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	42
116	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	42
117	Two-particle Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV measured with the ATLAS detector. European Physical Journal C, 2015, 75, 466.	3.9	42
118	Measurement of $D^{\pm}$ meson production and determination of $F_2^{\text{charm}}$ at low $Q^2$ in deep-inelastic scattering at HERA. European Physical Journal C, 2011, 71, 1.	3.9	41
119	Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	41
120	Measurement of the production and lepton charge asymmetry of $W$ bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	3.9	41
121	Sensitivity of the Cherenkov Telescope Array for probing cosmology and fundamental physics with gamma-ray propagation. Journal of Cosmology and Astroparticle Physics, 2021, 2021, 048-048.	5.4	41
122	A search for $t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	40
123	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.	3.9	40
124	Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	40
125	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
126	Diffraction open charm production in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 50, 1-20.	3.9	39



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127	Search for massive colored scalars in four-jet final states in $\sqrt{s}=7\text{-mbox{TeV}}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	3.9	39
128	Measurement of the cross section for diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2011, 71, 1.	3.9	38
129	Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $s = 8 \sqrt{s} = 8 \text{ TeV}$ proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	38
130	Charged particle multiplicities in deep inelastic scattering at HERA. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 573-592.	1.5	37
131	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s}=7\text{-mbox{TeV}}$ with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	37
132	ATLAS search for a heavy gauge boson decaying to a charged lepton and a neutrino in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	3.9	36
133	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	3.9	36
134	Measurement of dijet cross-sections in pp collisions at 7 TeV centre-of-mass energy using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	36
135	Search for pair and single production of new heavy quarks that decay to a Z boson and a third-generation quark in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
136	Measurement of the production cross section of prompt $J/\psi$ mesons in association with a $W^{\pm}$ boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	35
137	Search for $W' \rightarrow t b \rightarrow q q b b$ decays in pp collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
138	Measurement of the inclusive jet cross-section in proton-proton collisions at $s = 7 \sqrt{s}=7 \text{ TeV}$ using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
139	A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
140	Multi-channel search for squarks and gluinos in $\sqrt{s}=7\text{TeV}$ pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.	3.9	34
141	Measurement of multijet production in $e p$ collisions at high $Q^2$ and determination of the strong coupling $\alpha_s$ . European Physical Journal C, 2015, 75, 1.	3.9	34
142	Measurement of jet shapes in top-quark pair events at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2013, 73, 2676.	3.9	33
143	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
144	Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32

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145	Measurement of $J/\psi$ and $\psi(2S)$ production with $\sqrt{s} = 7$ TeV pp collisions at ATLAS. Journal of High Energy Physics, 2014, 2014, 1.	4.7	32
146	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	31
147	Inclusive measurement of diffractive deep-inelastic scattering at HERA. European Physical Journal C, 2012, 72, 1.	3.9	31
148	Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.	3.9	31
149	Measurement of the differential cross-section of B + meson production in pp collisions at $\sqrt{s}=7$ TeV at ATLAS. Journal of High Energy Physics, 2013, 2013, 1.	4.7	31
150	Measurement of internal jet structure in dijet production in deep-inelastic scattering at HERA. Nuclear Physics B, 1999, 545, 3-20.	2.5	30
151	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	3.9	30
152	Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
153	Determination of the strong coupling constant $\alpha_s(m_Z)$ in next-to-next-to-leading order QCD using H1 jet cross section measurements. European Physical Journal C, 2017, 77, 791.	3.9	30
154	Search for single top quark production at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 450-458.	4.1	29
155	Diffractive dijet photoproduction in ep collisions at HERA. European Physical Journal C, 2010, 70, 15-37.	3.9	29
156	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
157	Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
158	Study of charm fragmentation into $D^*$ mesons in deep-inelastic scattering at HERA. European Physical Journal C, 2009, 59, 589-606.	3.9	26
159	Measurement of the charm meson production cross section and $A_{FB}^c$ in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 51, 271.	4.1	26
160	Inclusive $D^*$ meson and associated dijet production in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 51, 271.	3.9	25
161	A search for $t$ resonances with the ATLAS detector in $2.05 \text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2083.	3.9	25
162	Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	25

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163	Measurement of the low-mass Drell-Yan differential cross section at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	4.7	25
164	Evolution of ep fragmentation and multiplicity distributions in the Breit frame. Nuclear Physics B, 1997, 504, 3-23.	2.5	24
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