

Martin Nagel

List of Publications by Year in descending order

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Version: 2024-02-01

598
papers

30,089
citations

4641

85
h-index

12910

131
g-index

603
all docs

603
docs citations

603
times ranked

10520
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
2	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.	1.4	453
3	Searches for Lepton Flavor Violation in the Decays $B \rightarrow \mu \tau \nu$. Physical Review Letters, 2010, 104, 021802.	2.9	421
4	Improved luminosity determination in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2518.	1.4	362
5	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	1.4	325
6	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.	1.4	298
7	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
8	Luminosity determination in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	1.4	279
9	Measurement of the form factor. Physical Review D, 2009, 80, .	2.9	277
10	Measurements of the Higgs boson production and decay rates and coupling strengths using pp collision data at $\sqrt{s} = 7$ and 8 TeV in the ATLAS experiment. European Physical Journal C, 2016, 76, 6.	1.4	274
11	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
12	Evidence of a Broad Structure at an Invariant Mass of 4.32 ± 0.06 GeV/c ² in the Reaction $e^+e^- \rightarrow \tau^+\tau^- \gamma(2S)$ Measured at BABAR. Physical Review Letters, 2007, 98, 212001.	2.9	247
13	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238
14	Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	1.4	218
15	Precise Measurement of the $B \rightarrow \mu \tau \nu$ Branching Ratio. Physical Review Letters, 2009, 103, 231801.	2.9	214
16	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	1.4	213
17	Jet energy resolution in proton-proton collisions at $\sqrt{s} = 7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.	1.4	209
18	Evidence for D^0 - \bar{D}^0 Mixing. Physical Review Letters, 2007, 98, 211802.	2.9	205

#	ARTICLE	IF	CITATIONS
19	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	1.4	204
20	Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.	1.4	197
21	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903.	1.4	181
22	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	175
23	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	1.4	174
24	Evidence for $X \rightarrow 3872$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (stretchy="false")X S Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 527 Td (stretchy="false")</math>	2.9	173
25	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
26	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	168
27	Measurements of $e^+e^- \rightarrow K^+K^-$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.6	163
28	Measurement of the transverse momentum and $\phi \rightarrow \eta \rightarrow \pi^+\pi^-$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	1.4	154
29	Search for Dimuon Decays of a Light Scalar Boson in Radiative Transitions $\tilde{\chi}_1^0 \rightarrow \mu^+\mu^-$. Physical Review Letters, 2009, 103, 081803.	2.9	153
30	Evidence for the decay $X \rightarrow 3872$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td (stretchy="false")X K^+K^- Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 297 Td (stretchy="false")</math>	2.9	153
31	The BB detector: Upgrades, operation and performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 729, 615-701.	0.7	148
32	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.	1.6	145
33	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	1.4	145
34	Precision measurement and interpretation of inclusive W^+W^- production. European Physical Journal C, 2017, 77, 367.	1.4	145
35	The $e^+e^- \rightarrow \mu^+\mu^-$ 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. Physical Review D, 2007, 76, .	1.6	146
36	Measurement of the $t\bar{t}$ 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.	1.4	143

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37	Observation of the Bottomonium Ground State in the Decay $\Upsilon(3S) \rightarrow \Upsilon \gamma b$. Physical Review Letters, 2008, 101, 071801.	2.9	142
38	Observation of a New Ds Meson Decaying to DK at a Mass of 2.86 ± 0.04 GeV/c ² . Physical Review Letters, 2006, 97, 222001.	2.9	139
39	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510.	1.4	138
40	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.	1.6	137
41	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	136
42	Observation of $\Upsilon(3S) \rightarrow \Upsilon \gamma b$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 199.	2.9	133
43	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 199.	1.4	132
44	Measurement of the Z boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	131
45	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.	1.6	128
46	Search for charged Higgs bosons decaying via $H \rightarrow \tau \nu$ in t events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	126
47	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
48	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	1.4	123
49	Structure at 2175 MeV in $e^+e^- \rightarrow \Upsilon(980)$ observed via initial-state radiation. Physical Review D, 2006, 74, .	1.6	122
50	Search for the $Z \rightarrow \tau\tau$ decay in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Observation of new resonances decaying to $\tau\tau$. Physics Letters B, 2016, 771, 1-10.	1.6	122
51	Search for the $Z \rightarrow \tau\tau$ decay in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Observation of new resonances decaying to $\tau\tau$. Physics Letters B, 2016, 771, 1-10.	1.6	122
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55	Study of resonances in exclusive $B \rightarrow D^* \bar{K}^* \ell \bar{\nu}_\ell$ decays to $D^* \bar{K}^* \ell \bar{\nu}_\ell$	1.6	116
56	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	116
57	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116
58	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8, 13 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	1.4	115
59	Search for $B^0 \rightarrow X(3872) K^+ X(3872) \bar{K}^0 \bar{\nu}_\ell \nu_\ell$. Physical Review D, 2006, 74, .	1.6	113

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73	Study of D_s decays to $D^* K$ in inclusive e^+e^- interactions. Physical Review D, 2009, 80, .	1.6	96
74	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	1.4	95
75	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 210.	1.4	95
76	Measurement of time-dependent $C P$ asymmetry in $B^0 \rightarrow \hat{\pi}^+ c$ decays. Physical Review D, 2016, 93, 112004.		

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91	Evidence for the $b(1S)$ Meson in Radiative $\Upsilon(2S)$ Decay. Physical Review Letters, 2009, 103, 161801.	2.9	81
92	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.	1.6	81
93	Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	1.4	81
94	Measurement of D^0 - \bar{D}^0 Mixing Parameters Using $D^0 \rightarrow K^0 S^0$ and $D^0 \rightarrow K^0 K^0$ Decays. Physical Review Letters, 2010, 105, 081803.	2.9	80
95	Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	1.4	80
96	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
97	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	1.4	79
98	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	1.4	79
99	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	78
100	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	1.6	77
101	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.	1.4	77
102	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.	1.4	77
103	Study of $C\bar{P}$ violation in Dalitz-plot analyses of $B \rightarrow K^0 \pi^0$ decays. Physical Review Letters, 2010, 105, 081803.	1.6	76
104	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	1.4	75
105	Measurement of quarkonium production in lead and proton-proton collisions at $\sqrt{s}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
106	Search for resonant diboson production in the $\ell\ell q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
107	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.	1.6	73

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109	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	1.4	73
110	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	1.4	73
111	Angular distributions in the decay $B \rightarrow K^* \mu^+ \mu^-$. Physical Review D, 2009, 79, 012001.	1.6	72
112	Observation of the $B \rightarrow K^* \mu^+ \mu^-$ decay. Physical Review Letters, 2009, 102, 012001.	1.6	72
113	Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.	1.4	72
114	Measurement of the $B \rightarrow K^* \mu^+ \mu^-$ cross section between $\sqrt{s} = 1.0$ and 1.0784314 TeV. Physical Review Letters, 2009, 102, 012001.	2.9	71
115	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.	1.6	71
116	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	71
117	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	71
118	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	1.4	71
119	Asymmetries in the Decays $B \rightarrow K^* \mu^+ \mu^-$. Physical Review Letters, 2009, 102, 012001.	2.9	70
120	Search for $B \rightarrow K^* \mu^+ \mu^-$ against $B \rightarrow K^* \mu^+ \mu^-$. Physical Review D, 2010, 81, .	1.6	70
121	Search for Low-Mass Dark-Sector Higgs Bosons. Physical Review Letters, 2012, 108, 211801.	2.9	70
122	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.	1.4	70
123	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	70
124	Evidence for direct CP violation from Dalitz-plot analysis of $B \rightarrow K^* \mu^+ \mu^-$. Physical Review D, 2008, 78, .	1.6	69
125	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \nu_\tau$ 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.	1.6	69
126	Measurement of the $B \rightarrow X \mu^+ \mu^-$ fraction and photon energy spectrum using the recoil method. Physical Review D, 2008, 77, .	1.6	68

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127	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ s NN = 2.76 $\hat{\text{A}}\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	1.4	68
128	Measurement of $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mo stretchy="false"> \langle /mml:mo> \langle mml:msub> \langle mml:mi>V \langle /mml:mi> \langle mml:mi>cb \langle /mml:mi> \langle /mml:msub> \langle mml:mo stretchy="false"> \langle /mml:mo> \langle /mml:math>$ and the Form-Factor Slope in $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mover accent="true"> \langle mml:mi>B \langle /mml:mi> \langle mml:mo> \hat{\sim} \langle /mml:mo> \langle mml:mo> \hat{\sim} \langle /mml:mo> \langle mml:mi>D \langle /mml:mi> \langle mml:msub>$	2.9	67
129	Measurement of charged-particle spectra in Pb+Pb collisions at s NN = 2.76 $\hat{\text{A}}\text{TeV}$ with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	67
130	Search for direct pair production of a chargino and a neutralino decaying to the 125 $\hat{\text{A}}\text{GeV}$ Higgs boson in $\sqrt{s} = 8$ s = 8 $\hat{\text{A}}\text{TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	1.4	67
131	Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in s $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	66
132	A search for $t \hat{\text{A}} \text{ resonances}$ using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	1.6	66
133	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ s = 13 TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	1.4	66
134	Search for CP Violation in the Decays $D \hat{\text{A}} \text{K}^+ \text{K}^-$ and $D \hat{\text{A}} \text{K}^+ \text{K}^-$. Physical Review Letters, 2008, 100, 061803.	2.9	65
135	Search for $B \hat{\text{A}} \text{ decays}$ with hadronic Btags. Physical Review D, 2008, 77, .	1.6	64
136	Exclusive Branching-Fraction Measurements of Semileptonic $\text{B} \hat{\text{A}} \text{ decays}$ into $\text{K}^+ \text{K}^-$ and $\text{K}^+ \text{K}^-$. Physical Review Letters, 2008, 100, 011801.	2.9	64
137	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.	1.6	64
138	Observation and measurements of the production of prompt and non-prompt $\text{J} \hat{\text{A}} \text{ mesons}$ in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	1.4	64
139	Evidence for the $H \hat{\text{A}} \text{ b b} \hat{\text{A}} \text{ decay}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
140	Measurement of the differential cross-sections of prompt and non-prompt production of $\text{J} \hat{\text{A}} \text{ mesons}$ and $\text{J} \hat{\text{A}} \text{ mesons}$ in pp collisions at $\sqrt{s} = 7$ and 8 $\hat{\text{A}}\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	1.4	63
141	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ s = 8 TeV. European Physical Journal C, 2015, 75, 120.	1.4	62
142	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ s = 8 $\hat{\text{A}}\text{TeV}$. European Physical Journal C, 2016, 76, 154.	1.4	62
143	Measurement of $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:msub> \langle mml:mi>e \langle /mml:mi> \langle mml:mo stretchy="false">+ \langle /mml:mo> \langle /mml:msub> \langle mml:msub> \langle mml:mi>e \langle /mml:mi> \langle mml:mo stretchy="false">+ \langle /mml:mo> \langle /mml:msub> \langle mml:mi>K \langle /mml:mi> \langle mml:mo stretchy="false">+ \langle /mml:mo> \langle /mml:msub> \langle mml:mi>K \langle /mml:mi> \langle mml:mo stretchy="false">+ \langle /mml:mo> \langle /mml:msub> \langle mml:mi>K \langle /mml:mi> \langle mml:mo stretchy="false">+ \langle /mml:mo> \langle /mml:msub>$	1.6	61
144	Measurement of ZZ production in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous ZZZ and ZZ $\hat{\text{A}}^3$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	1.6	61

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145	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.	1.4	61
146	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	1.4	61
147	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	1.4	61
148	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in $5.02\text{-}5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
149	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	1.4	61
150	Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	1.6	60
151	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.	1.6	60
152	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	1.4	60
153	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.	1.4	60
154	Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.	1.4	60
155	Observation of $B \rightarrow P$ violation in $B \rightarrow P$ decays. Physical Review Letters, 2007, 99, 071803.	2.9	59
156	Dalitz plot analysis of $B \rightarrow \bar{A}^+ \hat{A}^+ K^0$. Physical Review D, 2009, 79, .	2.6	59
157	Measurement of $W \hat{A}^{\pm} Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	59
158	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.	1.6	59
159	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.	1.6	59
160	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.	1.6	59
161	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0 TeV. European Physical Journal C, 2018, 78, 142.	1.4	59
162	Observation of $B \rightarrow \hat{A}^+ K^0$ and $B \rightarrow \hat{A}^+ K^0$. Physical Review Letters, 2006, 97, 171805.	2.9	58

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163	Search for $B \rightarrow D^{*0} \mu^+ \mu^-$ decays. Physical Review Letters, 2010, 105, 121801.	1.6	58
164	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.	1.4	58
165	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
166	Search for $C \rightarrow P \rightarrow T$ and Lorentz Violation in $B \rightarrow B^0$ decays. Physical Review Letters, 2010, 105, 121801.	2.9	56
167	Evidence for Direct CP Violation in the Measurement of the Cabbibo-Kobayashi-Maskawa Angle β with $B \rightarrow D^{*0} K^0$ Decays. Physical Review Letters, 2010, 105, 121801.	2.9	56
168	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318.	1.4	56
169	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	1.4	56
170	Measurement of the $B \rightarrow D^{*0} \mu^+ \mu^-$ Form-Factor Shape and Branching Fraction, and Determination of $ V_{ub} $ with a Loose Neutrino Reconstruction Technique. Physical Review Letters, 2007, 98, 091801.	2.9	55
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182	Measurements of the semi-leptonic decays $\langle \text{mml:mover} \text{accent}=\text{"true"} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{accent}=\text{"true"} \rangle \langle \text{mml:mo} \rangle \hat{\Gamma} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{D} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{\Gamma} \langle \text{mml:mi} \rangle$	1.6	52
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319	Measurement of the $B \rightarrow D^* \ell^+ \ell^-$ asymmetry parameters in $B \rightarrow D^* \ell^+ \ell^-$ decays	1.6	30
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459	Search for $B \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2008, 78, .	1.6	15
460	Search for decays of B mesons into $\pi^0 \pi^0$ and $\pi^0 \pi^0$ final states. Physical Review D, 2008, 77, .	1.6	15
461	Measurement of the branching fractions of the radiative charm decays $D^0 \rightarrow K^* \pi^0$ and $D^0 \rightarrow \pi^0 \pi^0$. Physical Review D, 2008, 78, .	1.6	15
462	Measurement of the branching fraction and π^0 polarization in $B^0 \rightarrow \pi^0 \pi^0$. Physical Review D, 2009, 79, .	1.6	15
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466	Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.	1.4	15
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495	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at \sqrt{s} . <i>European Physical Journal C</i> , 2018, 78, 102.	1.4	13
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499	Measurement of CP asymmetry in $B^0 \rightarrow K^0 \pi^0$ decays. <i>Physical Review D</i> , 2007, 76, .	1.6	12
500	Measurements of the branching fractions of $B^0 \rightarrow K^* K^0, B^0 \rightarrow K^* \bar{K}^0, B^0 \rightarrow K^* K^0 + \bar{K}^0$, and $B^0 \rightarrow K^* \bar{K}^0 + \bar{K}^0$. <i>Physical Review D</i> , 2007, 76, .	1.6	12
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515	Measurement of ratios of branching fractions and CP-violating asymmetries of $B_{\pm} \rightarrow D^* K_{\pm}$ decays. Physical Review D, 2008, 78, .	1.6	11
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519	B-meson decays to $1\bar{0}$, $1\bar{0}$, and $1\bar{0}$. Physical Review D, 2010, 82, .	1.6	11
520	Measurement of the semileptonic branching fraction of the B_c meson decays to $\bar{1}$. Physical Review D, 2012, 85, .	1.6	11
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527	Measurement of the CP-violating asymmetries in $B \rightarrow \bar{K}^* K^0$ and of the branching fraction $B \rightarrow \bar{K}^* K^0$. Physical Review D, 2008, 77, .	1.6	10
528	Improved measurement of C and P observables in $B \rightarrow \bar{A}^* B$. Physical Review D, 2008, 77, .	1.6	10
529	Measurements of branching fractions for $B \rightarrow \bar{A}^* \bar{A}^3$, $B \rightarrow \bar{A}^* \bar{A}^3$, and $B \rightarrow \bar{A}^* \bar{A}^3$. Physical Review D, 2008, 78, .	1.6	10
530	Measurement of CP violation observables and parameters for the decays $B \rightarrow \bar{A}^* DK^* \bar{A}^*$. Physical Review D, 2009, 80, .	1.6	10
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536	Search for the reaction $e^+ e^- \rightarrow \bar{A}^* \bar{A}^* \bar{A}^* + \bar{A}^* \bar{A}^* \bar{A}^* + \bar{A}^* \bar{A}^* \bar{A}^*$. Physical Review D, 2007, 75, .	1.6	9
537	Measurement of B decays to $\bar{A}^* \bar{A}^3$. Physical Review D, 2007, 75, .	1.6	9
538	Observation of $B \rightarrow \bar{A}^* \bar{A}^* \bar{A}^*$ evidence for $B \rightarrow \bar{A}^* \bar{A}^* \bar{A}^*$. Physical Review D, 2008, 78, .	1.6	9
539	Measurement of the Absolute Branching Fraction of $D \rightarrow \bar{A}^* \bar{A}^* \bar{A}^*$. Physical Review Letters, 2008, 100, 051802.	2.9	9
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547	Measurement of the ratio $B(B \rightarrow \tau \nu) / B(B \rightarrow \mu \nu)$. Physical Review D, 2006, 74, .	1.6	8
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549	Observation of $B \rightarrow \tau \nu$ and measurement of its branching fraction and charge asymmetry. Physical Review D, 2007, 76, .	1.6	8
550	Improved measurement of time-dependent CP asymmetries and the C/P -odd fraction in the decay $B^0 \rightarrow D^+ D^-$. Physical Review D, 2008, 77, .	1.6	8
551	Time-dependent Dalitz plot analysis of $B^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2008, 77, .	1.6	8
552	Observation of the rare decay $B^0 \rightarrow K^+ K^-$. Physical Review D, 2010, 82, .	1.6	8
553	Measurements of branching fractions, polarizations, and direct CP-violation asymmetries in $B \rightarrow \tau \nu$ and $B \rightarrow \mu \nu$ decays. Physical Review D, 2011, 83, .	1.6	8
554	Study of dipion bottomonium transitions and search for the $B^0 \rightarrow \tau^+ \tau^-$ decay. Physical Review D, 2010, 82, .	1.6	8
555	Measurement of the relative width difference of the B^0 system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
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558	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8

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561	Search for the decays $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2008, 77, .	1.6	7
562	Branching fractions and CP-violating asymmetries in radiative B decays to $K^* \ell^+ \ell^-$. Physical Review D, 2009, 79, .	1.6	7
563	Evidence for $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2009, 79, .	1.6	7
564	Search for B-meson decays to $l^+ l^- K^*$. Physical Review D, 2009, 80, .	1.6	7
565	Observation of the decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2010, 82, .	1.6	7
566	Observation of the Decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2011, 107, 041804.		
567	Measurement of σ_{pol} , polarisation in $Z/\gamma \rightarrow \mu^+ \mu^- Z/\gamma^3$. European Physical Journal C, 2018, 78, 163.	1.4	7
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569	Evidence for the Rare Decay $B \rightarrow D_s^+ \ell^+ \ell^-$. Physical Review Letters, 2007, 98, .	2.9	6
570	Measurement of the CP Asymmetry and Branching Fraction of $B \rightarrow K^* \ell^+ \ell^-$. Physical Review Letters, 2007, 98, 051803.	2.9	6
571	Observation and polarization measurement of $B \rightarrow K^* \ell^+ \ell^-$ decay. Physical Review D, 2009, 80, .	1.6	6
572	Search for $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review D, 2010, 82, .	2.9	6
573	Search for B-meson decay to $1+(1260)K^*(892)$. Physical Review D, 2010, 82, .	1.6	6
574	Measurement of C and P asymmetries in $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2007, 76, .	1.6	5
575	Search for $B \rightarrow K^* K^* \ell^+$. Physical Review D, 2008, 78, .	1.6	5
576	Observation of the baryonic B-decay $B \rightarrow K^* \ell^+ \ell^-$. Physical Review D, 2009, 80, .	1.6	5

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