

Adam Trzupek

List of Publications by Year in descending order

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Version: 2024-02-01

629
papers

32,893
citations

4146

87
h-index

8630

146
g-index

658
all docs

658
docs citations

658
times ranked

10542
citing authors

#	ARTICLE	IF	CITATIONS
1	The PHOBOS perspective on discoveries at RHIC. Nuclear Physics A, 2005, 757, 28-101.	1.5	1,881
2	The ATLAS Simulation Infrastructure. European Physical Journal C, 2010, 70, 823-874.	3.9	1,187
3	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	489
4	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 292.	3.9	453
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	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
7	System Size, Energy, Pseudorapidity, and Centrality Dependence of Elliptic Flow. Physical Review Letters, 2007, 98, 242302.	7.8	303
8	Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 581.	3.9	298
9	Luminosity determination in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	3.9	279
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.	3.9	274
11	Significance of the Fragmentation Region in Ultrarelativistic Heavy-Ion Collisions. Physical Review Letters, 2003, 91, 052303.	7.8	268
12	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
13	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	3.9	259
14	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
15	Charged-Particle Multiplicity near Midrapidity in Central Au+Au Collisions at $\sqrt{s_{NN}} = 56$ and 130 GeV . Physical Review Letters, 2000, 85, 3100-3104.	7.8	240
16	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238
17			

#	ARTICLE	IF	CITATIONS
19	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.	3.9	218
20	Charged-particle multiplicity and pseudorapidity distributions measured with the PHOBOS detector in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2003, 91, 072302.	2.9	215
21	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.	3.9	213
22	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.	3.9	209
23	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.	3.9	204
24	Centrality Dependence of Charged-Hadron Transverse-Momentum Spectra in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2003, 91, 072302.	7.8	201
25	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.	3.9	197
26	Importance of correlations and fluctuations on the initial source eccentricity in high-energy nucleus-nucleus collisions. Physical Review C, 2008, 77, .	2.9	196
27	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.	3.9	181
28	Luminosity determination in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	179
29	Centrality and pseudorapidity dependence of elliptic flow for charged hadrons in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2005, 72, .	2.9	176
30	Measurement of the distributions of event-by-event flow harmonics in lead-lead collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	175
31	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
32	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	3.9	172
33	Search for new high-mass phenomena in the dilepton final state using 36 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
34	High Transverse Momentum Triggered Correlations over a Large Pseudorapidity Acceptance in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2010, 104, 062301.	7.8	167
35	Charged-Particle Pseudorapidity Density Distributions from Au+Au Collisions at $\sqrt{s}=130$ GeV. Physical Review Letters, 2001, 87, 102303.	7.8	163
36	Measurement of the transverse momentum and ϕ^*_η 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.	3.9	154

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37	Centrality dependence of the charged particle multiplicity near midrapidity in Au+Au collisions at $\sqrt{s} = 130$ and 200 GeV. <i>Physical Review C</i> , 2002, 65, .	2.9	152
38	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	146
39	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	145
40	Jet reconstruction and performance using particle flow with the ATLAS Detector. <i>European Physical Journal C</i> , 2017, 77, 466.	3.9	145
41	Precision measurement and interpretation of inclusive W^+W^- , W^+W^+ , W^-W^- . <i>European Physical Journal C</i> , 2017, 77, 367.	3.9	145
42	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. <i>European Physical Journal C</i> , 2014, 74, 3109.	3.9	143
43	Charged hadron transverse momentum distributions in Au+Au collisions at $\sqrt{s} = 200$ GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 578, 297-303.	4.1	140
44	ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. <i>European Physical Journal C</i> , 2015, 75, 510.	3.9	138
45	Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	137
46	Search for dark matter and other new phenomena in events with an energetic jet and large missing transverse momentum using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	136
47	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. <i>European Physical Journal C</i> , 2018, 78, 199.	3.9	132
48	Measurement of the Z/γ^* boson transverse momentum distribution in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	131
49	ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	130
50	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	128
51	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+\tau^-$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	126
52	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 995.	3.9	125
53	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	124
54	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. <i>European Physical Journal C</i> , 2015, 75, 349.	3.9	123

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55	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	3.9	121

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73	Search for heavy neutrinos and right-handed W bosons in events with two leptons and jets in pp collisions at $\sqrt{s} = 7\text{--}13\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2012, 72, 2056.	3.9	101
74	Search for heavy ZZ resonances in the $e^+e^-e^+e^-$, $e^+e^-e^+e^-$ and $e^+e^-e^+e^-$ final states using proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 293.	3.9	101
75	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7\text{--}13\text{ TeV}$. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	100
76	Scaling of charged particle production in pp collisions at $\sqrt{s} = 200\text{ GeV}$. <i>Physical Review C</i> , 2005, 72, .	2.9	96
77	Pseudorapidity Distribution of Charged Particles in pp Collisions at $\sqrt{s} = 200\text{ GeV}$. <i>Physical Review Letters</i> , 2004, 93, 082301.	7.8	95
78	The ATLAS Inner Detector commissioning and calibration. <i>European Physical Journal C</i> , 2010, 70, 787-821.	3.9	95
79	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 335.	3.9	95
80	Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 210.	3.9	95
81	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	93
82	The PHOBOS detector at RHIC. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2003, 499, 603-623.	1.6	92
83	Measurements of the W production cross sections in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 82.	3.9	92
84	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 412.	3.9	90
85	Search for the $b\bar{b}H$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	89
86	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7\text{--}13\text{ TeV}$ pp collisions with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	88
87	Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8\text{ TeV}$ pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	88
88	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2017, 77, 195.	3.9	87
89	Measurement of multi-particle azimuthal correlations in pp , $p\bar{p}$ and low-multiplicity $Pb\text{-}Pb$ collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2017, 77, 428.	3.9	86
90	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	84

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91	Charged-particle pseudorapidity distributions in Au+Au collisions at $\sqrt{s_{NN}}=62.4$ GeV. Physical Review C, 2006, 74, .	2.9	83
92	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
93	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	82
94	System size dependence of cluster properties from two-particle angular correlations in $\sqrt{s_{NN}}=2.76$ TeV Au+Au collisions. Physical Review Letters, 2011, 106, 1.	2.9	81
95	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
96	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.	3.9	81
97	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.	3.9	80
98	One- and two-dimensional analysis of the factorial moments in 200 GeV/nucleon Pb-Pb and S-Si interactions with Ag and Br nuclei. Physical Review C, 1989, 40, R2449-R2453.	2.9	79
99	Search for production of W^+W^- 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.	3.9	79
100	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	3.9	79
101	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.	3.9	79
102	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
103	Centrality dependence of charged particle multiplicity at midrapidity in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2002, 65, .	2.9	77
104	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
105	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
106	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	77
107	Angular analysis of $B^0 \rightarrow \tau^+ \tau^-$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	76
108	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75

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109	Measurement of quarkonium production in proton–lead and proton–proton collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
110	Search for resonant diboson production in the $q\bar{q} \rightarrow \gamma^* \rightarrow \ell\ell$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
111	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
112	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
113	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	3.9	73
114	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.	3.9	73
115	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.	3.9	72
116	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
117	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.	4.7	71
118	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.	4.7	71
119	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton–proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	3.9	71
120	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
121	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	70
122	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
123	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
124	Search for new resonances in mass distributions of jet pairs using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.	4.7	68
125	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	67
126	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	3.9	67

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127	Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	67
128	Search for top squark pair production in final states with one isolated lepton, jets, 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	66
129	A search for $t\bar{t}$ 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.	4.7	66
130	A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
131	Non-flow correlations and elliptic flow fluctuations in Au+Au collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	2.9	65
132	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
133	Measurement of the $W\gamma$ and $Z\gamma$ production cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	4.7	64
134	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
135	Observation and measurements of the production of prompt and non-prompt Υ 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.	3.9	64
136	Revealing long-range multiparticle collectivity in small collision systems via subevent cumulants. Physical Review C, 2017, 96, .	2.9	64
137	Evidence for the $H\rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
138	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	64
139	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
140	Energy Dependence of Directed Flow over a Wide Range of Pseudorapidity in Au+Au Collisions at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2006, 97, 012301.	7.8	62
141	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
142	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 154.	3.9	62
143	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	3.9	61
144	Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and ZZ γ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	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.	3.9	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.	3.9	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.	3.9	61
148	Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	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.	3.9	61
150	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
151	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.	4.7	60
152	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
153	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.	3.9	60
154	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
155	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.	3.9	60
156	Centrality Dependence of Charged Hadron Transverse Momentum Spectra in Au+Au Collisions from $\sqrt{s_{NN}} = 62.4$ to 200 GeV. Physical Review Letters, 2005, 94, 082304.	7.8	59
157	Measurement of $W \pm Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	59
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.	4.7	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.	4.7	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.	4.7	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.	3.9	59
162	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \tau^-$, in the $\tau^+ \tau^- + \text{jets}$ and $\tau^+ \tau^- + \text{lepton}$ final states with 36 fb^{-1} of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	4.7	59

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163	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
164	Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	4.7	57
165	Event-by-Event Fluctuations of Azimuthal Particle Anisotropy in Au+Au Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 104, 142301.	7.8	56
166	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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