

Balint Radics

List of Publications by Year in descending order

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Version: 2024-02-01

275
papers

19,387
citations

13087

68
h-index

13758

129
g-index

277
all docs

277
docs citations

277
times ranked

10675
citing authors

#	ARTICLE	IF	CITATIONS
1	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08004-S08004.	0.5	2,192
2	The ATLAS Simulation Infrastructure. <i>European Physical Journal C</i> , 2010, 70, 823-874.	1.4	1,187
3	Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at the ATLAS Detector at the LHC. <i>Physical Review Letters</i> , 2010, 105, 252303.	2.9	581
4	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. <i>Physical Review C</i> , 2012, 86, ..	1.1	365
5	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 724, 213-240.	1.5	354
6	Combined search for the Standard Model Higgs boson using up to 4.9 fb^{-1} of pp collision data at the ATLAS detector at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 710, 49-66.	1.5	328
7	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	320
8	Charged-particle multiplicities in pp interactions measured with the ATLAS detector at the LHC. <i>New Journal of Physics</i> , 2011, 13, 053033.	1.2	314
9	Constraint on the matter-antimatter symmetry-violating phase in neutrino oscillations. <i>Nature</i> , 2020, 580, 339-344.	13.7	313
10	Performance of the ATLAS Trigger System in 2010. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	259
11	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	248
12	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. <i>European Physical Journal Plus</i> , 2018, 133, 1.	1.2	247
13			

#	ARTICLE	IF	CITATIONS
19	Measurement of the differential cross-sections of inclusive, prompt and non-prompt $\mu^+\mu^-$ pairs in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	1.5	130
20	Measurement of the inclusive $\mu^+\mu^-$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	0.9	163
21	Measurement of the inclusive W^+W^- and $Z\nu$ cross-sections in the pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	5.8	160
22	Measurement of the inclusive $Z\nu$ cross-sections in the pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Nature Communications, 2011, 2, 463.	5.8	160
23	Dark Matter Search in Missing Energy Events with NA64. Physical Review Letters, 2019, 123, 121801.	2.9	151
24	A source of antihydrogen for in-flight hyperfine spectroscopy. Nature Communications, 2014, 5, 3089.	5.8	149
25	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{t} and b -quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
26	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.	1.4	146
27	Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	2.9	136
28	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	0.5	140
29	Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 131802.	2.9	136
30	Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2012, 86, .	1.6	135
31	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.	1.5	130
32	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 2.76$ and 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	1.5	130
33	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	1.5	126
34	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	2.9	126
35	Readiness of the ATLAS Tile Calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 1193-1236.	1.4	121
36	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2011, 83, .	1.6	121

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#	ARTICLE	IF	CITATIONS
55	Search for a New Boson Production Cross Observation of a New $\sqrt{s} = 7 \text{ TeV}$ Z State in Radiative Transitions to $\sqrt{s} = 7 \text{ TeV}$ S Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 687 Td (stre	2.9	94
56	Search for vector mediator of dark matter production in invisible decay mode. Physical Review D, 2018, 97, .	2.9	90
57	Search for vector mediator of dark matter production in invisible decay mode. Physical Review D, 2018, 97, .	1.6	89
58	Jet mass and substructure of inclusive jets in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
59	Search for a Hypothetical 16.7 GeV Gauge Boson and Dark Photons in the NA64 Experiment at CERN. Physical Review Letters, 2018, 120, 231802.	2.9	87
60	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
61	Study of W boson production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	1.5	83
62	Search for Dilepton Resonances in p Collisions at $\sqrt{s} = 7 \text{ TeV}$ Events from p Collisions at $\sqrt{s} = 7 \text{ TeV}$ collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	2.9	81
63	Search for Dilepton Resonances in p Collisions at $\sqrt{s} = 7 \text{ TeV}$ Events from p Collisions at $\sqrt{s} = 7 \text{ TeV}$ collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	2.9	80
64	Search for new physics in the dijet mass distribution using 1 fb ⁻¹ of pp collision data at $\sqrt{s} = 7 \text{ TeV}$ collected by the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 37-54.	1.6	75
65	Study of exclusive two-photon production of $W+W\hat{\nu}$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
66	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	73
67	Measurement of underlying event characteristics using charged particles in p collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Physical Review D, 2011, 83, .	1.6	70
68	Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 244-263.	1.5	69
69	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. European Physical Journal C, 2021, 81, 322.	1.4	69
70	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
71	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	1.4	68
72	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65

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73	Observation of a New χ_{c0} Baryon. Physical Review Letters, 2012, 108, 252002.	2.9	65
74	Measurement of the $W \rightarrow \mu \nu$ and $Z \rightarrow \mu \mu$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2010, 2010, 1.	1.6	64
75	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	1.6	64
76	Measurement of the $W \rightarrow \mu \nu$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\gamma$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
77	Readiness of the ATLAS liquid argon calorimeter for LHC collisions. European Physical Journal C, 2010, 70, 723-753.	1.4	61
78	Measurement of Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 106, 172002.	2.9	61
79	Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 181802.	2.9	61
80	Search for a Light Higgs Boson Decaying to Long-Lived Weakly Interacting Particles in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 251801.	2.9	61
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.	1.4	60
82	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	1.4	60
83	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
84	Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	1.5	58
85	Measurement of the transverse momentum distribution of W bosons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345.	1.5	57
86	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
87	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in pp collisions using 1.1 fb $^{-1}$ of ATLAS data. Physical Review D, 2012, 85, .	1.6	57
88	Search for $B \rightarrow \mu \nu$ and $B \rightarrow \mu \nu$ decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
89	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.	1.4	56

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91	Search for Axionlike and Scalar Particles with the NA64 Experiment. Physical Review Letters, 2020, 125, 081801.	2.9	56
92	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physical Review D, 2013, 87, 014005.	1.6	55
93	Search for new phenomena with the monojet and missing transverse momentum signature using the ATLAS detector. Physical Review D, 2013, 87, 014005.	1.6	55
94	Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 408-433.	1.5	54
95	Measurement of masses in the \overline{tt} system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
96	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	1.5	54
97	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	1.5	54
98	Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.	1.5	52
99	Drift Time Measurement in the ATLAS Liquid Argon Electromagnetic Calorimeter using Cosmic Muons. European Physical Journal C, 2010, 70, 755-785.	1.4	51
100	Measurement of the top quark mass with the template method in the $Star\{t\} \rightarrow \text{lepton} + \text{jets}$ channel using ATLAS data. European Physical Journal C, 2012, 72, 2046.	1.4	51
101	Measurement of the inclusive isolated prompt photon cross-section in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	1.5	49
102	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	2.9	49
103	Search for leptonic decays of W bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	49
104	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	1.6	47
105	Search for a heavy gauge boson decaying to a charged lepton and a neutrino in 1fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	1.6	47
106	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
107	Search for Top Squarks in R -Parity-Violating Supersymmetry Using Three or More Leptons and b -Tagged jets. Physical Review Letters, 2013, 111, 221801.	2.9	47
108	Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46

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109	Search for New Phenomena in $\sqrt{s} = 7$ TeV proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 418-437.	2.9	46
110	Measurement of the cross section for the production of a W boson in association with b-jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 438-456.	1.6	45
111	Search for heavy neutrinos with the T2K near detector ND280. Physical Review D, 2019, 100, .	1.6	46
112	Search for neutral MSSM Higgs bosons decaying to $\tau\tau$ pairs in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	1.5	45
113	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	45
114	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.	1.6	45
115	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
116	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	1.5	45
117	Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s} = 7$ TeV in dilepton final states with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 459-477.	1.5	45
118	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.	1.4	45
119	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
120	The Polar Regions of Cassiopeia A: The Aftermath of a Gamma-Ray Burst?. Astrophysical Journal, 2006, 644, 260-273.	1.6	43
121	Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 700, 156-176.	1.5	41
122	Search for supersymmetric particles in events with lepton pairs and large missing transverse momentum in $\sqrt{s} = 7$ TeV proton-proton collisions with the ATLAS experiment. European Physical Journal C, 2011, 71, 1.	1.4	41
123	Search for the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.6	41
124	Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	40

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127	Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying W bosons. Physical Review Letters, 2012, 109, 032001.	2.9	40
128	Measurement of the W cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.5	40
129	Search for massive colored scalars in four-jet final states in pp collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.	1.4	39
130	Measurement of the production cross section for W -bosons in association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345.	1.5	39
131	Search for displaced vertices arising from decays of new heavy particles in 7 TeV pp collisions at ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	39
132	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
133	Measurement of the W charge asymmetry in the decay mode in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	38
134	Search for FCNC single top-quark production at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 351-369.	1.5	38
135	Imaging of ECR plasmas with a pinhole x-ray camera. Review of Scientific Instruments, 2004, 75, 1420-1422.	0.6	37
136	Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 241802.	2.9	37
137	Measurement of the W bosons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.6	37
138	Measurement of the W cross section and the W boson polarization in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.5	37
139	Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.4	37
140	Measurement of the W and Z inclusive cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	1.6	37
141	Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
142	Search for extra dimensions using diphoton events in 7 TeV proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 538-556.	1.5	36
143	Measurement of the polarisation of W bosons produced with large transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS experiment. European Physical Journal C, 2012, 72, 1.	1.4	36
144	Search for the Higgs Boson in the $H \rightarrow WW^* \rightarrow l\bar{l}2\ell^{\pm}2\ell^{\mp}$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	2.9	35

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145	Measurement of the production cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.	1.6	35
146	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35
147	Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.	1.6	33
148	Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	33
149	Resonances in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 106, 041804.	2.9	33
150	Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 106, 041804.	2.9	33
151	Measurements of underlying-event properties using neutral and charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2011, 71, 1.	1.5	32
152	Search for a Heavy Up-Type Quark Decaying to a Boson and a Quark. Physical Review Letters, 2011, 106, 041804.	1.4	31
153	Measurement of the production cross section for the association with jets in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 041804.	2.9	31
154	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
155	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and b-jets with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	30
156	Properties of jets measured from tracks in proton-proton collisions at center-of-mass energy $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2011, 84, .	1.6	29
157	Search for a Standard Model Higgs Boson in the $H \rightarrow Z\gamma^* \rightarrow \tau^+ \tau^-$ Decay Channel with the ATLAS Detector. Physical Review Letters, 2011, 107, 221802.	2.9	29
158	Search for $\tilde{L}\tilde{L}^*$ lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review Letters, 2011, 106, 041804.	1.5	29
159	Forward-backward correlations and charged-particle azimuthal distributions in pp interactions using the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
160	Commissioning of the ArDM experiment at the Canfranc underground laboratory: first steps towards a tonne-scale liquid argon time projection chamber for Dark Matter searches. Journal of Cosmology and Astroparticle Physics, 2017, 2017, 003-003.	1.6	29
161	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.9	29
162	Search for massive long-lived highly ionising particles with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 353-370.	1.5	28

#	ARTICLE	IF	CITATIONS
163	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.	1.5	27
164	Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.	1.5	27
165	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	26
166	Search for Pair Production of a New Quark that Decays into a Z Boson and a Bottom Quark with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.	2.9	26
167	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	26
168	Scaling behavior of the ground-state antihydrogen yield as a function of positron density and temperature from classical-trajectory Monte Carlo simulations. Physical Review A, 2014, 90, .	1.0	26
169	A 4 tonne demonstrator for large-scale dual-phase liquid argon time projection chambers. Journal of Instrumentation, 2018, 13, P11003-P11003.	0.5	26
170	Search for anomalous production of prompt like-sign muon pairs and constraints on physics beyond the standard model with the ATLAS detector. Physical Review D, 2012, 85, .	1.5	25
171	Volume III. DUNE far detector technical coordination. Journal of Instrumentation, 2020, 15, T08009-T08009.	0.5	25
172	Improved exclusion limit for light dark matter from annihilation in NA64. Physical Review D, 2021, 104, .	1.6	25
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