

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	SiPM-matrix readout of two-phase argon detectors using electroluminescence in the visible and near infrared range. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	18
2	Measurement of the principal quantum number distribution in a beam of antihydrogen atoms. <i>European Physical Journal D</i> , 2021, 75, 1.	0.6	10
3	Measurements of $\langle \sigma \hat{1}/2 \dots \rangle$ and $\langle \sigma \hat{1}/4 \rangle$ and $\langle \sigma \hat{1}/2 \dots \rangle \langle \sigma \hat{1}/4 \rangle + \langle \sigma \hat{1}/2 \rangle \langle \sigma \hat{1}/4 \rangle$ charged-current cross-sections without detected pions or protons on water and hydrocarbon at a mean anti-neutrino energy of 0.86 GeV. <i>Progress of Theoretical and Experimental Physics</i> , 2021, 2021, .	1.8	6
4	Study of scintillation light collection, production and propagation in a 4 tonne dual-phase LArTPC. <i>Journal of Instrumentation</i> , 2021, 16, P03007.	0.5	6
5	Neural-network-driven proton decay sensitivity in the $\bar{p} \hat{1}'$ \overline{u} \overline{K}^+ channel using large liquid argon time projection chambers. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	1
6	Prospects for beyond the Standard Model physics searches at the Deep Underground Neutrino Experiment. <i>European Physical Journal C</i> , 2021, 81, 322.	1.4	69
7	Constraints on New Physics in Electron $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle g \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{a} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:math} \rangle$ from a Search for Invisible Decays of a Scalar, Pseudoscalar, Vector, and Axial Vector. <i>Physical Review D</i> , 2021, 103, 034012.	2.9	22
8	First T2K measurement of transverse kinematic imbalance in the muon-neutrino charged-current single- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \hat{1} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ production channel containing at least one proton. <i>Physical Review D</i> , 2021, 103, .	1.6	7
9	Performance study of a $3\hat{A}-1\hat{A}-1$ m ³ dual phase liquid Argon Time Projection Chamber exposed to cosmic rays. <i>Journal of Instrumentation</i> , 2021, 16, P08063.	0.5	5
10	Probing the explanation of the muon (g-2) anomaly and thermal light dark matter with the semi-visible dark photon channel. <i>European Physical Journal C</i> , 2021, 81, 959.	1.4	12
11	Improved exclusion limit for light dark matter from $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ annihilation in NA64. <i>Physical Review D</i> , 2021, 104, .	1.6	25
12	Search for pseudoscalar bosons decaying into $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ pairs in the NA64 experiment at the CERN SPS. <i>Physical Review D</i> , 2021, 104, .	1.6	9
13	Search for Axionlike and Scalar Particles with the NA64 Experiment. <i>Physical Review Letters</i> , 2020, 125, 081801.	2.9	56
14	Volume III. DUNE far detector technical coordination. <i>Journal of Instrumentation</i> , 2020, 15, T08009-T08009.	0.5	25
15	Measurement of the charged-current electron (anti-)neutrino inclusive cross-sections at the T2K off-axis near detector ND280. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	14
16	New Bounds from Positronium Decays on Massless Mirror Dark Photons. <i>Physical Review Letters</i> , 2020, 124, 101803.	2.9	14
17	Search for Electron Antineutrino Appearance in a Long-Baseline Muon Antineutrino Beam. <i>Physical Review Letters</i> , 2020, 124, 161802.	2.9	13
18	Design and construction of a new detector to measure ultra-low radioactive-isotope contamination of argon. <i>Journal of Instrumentation</i> , 2020, 15, P02024-P02024.	0.5	19

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37	A 4 tonne demonstrator for large-scale dual-phase liquid argon time projection chambers. Journal of Instrumentation, 2018, 13, P11003-P11003.	0.5	26
38	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	1.2	247
39	Search for vector mediator of dark matter production in invisible decay mode. Physical Review D, 2018, 97, .	1.6	89
40	Search for a Hypothetical 16.7ÂMeV Gauge Boson and Dark Photons in the NA64 Experiment at CERN. Physical Review Letters, 2018, 120, 231802.	2.9	87
41	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.	1.9	29
42	High purity 100 GeV electron identification with synchrotron radiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 866, 196-201.	0.7	23
43	Progress of Antihydrogen Beam Production Using a Double Cusp Trap. , 2017, , .		2
44	Search for Invisible Decays of Sub-GeV Dark Photons in Missing-Energy Events at the CERN SPS. Physical Review Letters, 2017, 118, 011802.	2.9	108
45	The Development of the Antihydrogen Beam Detector: Toward the Three Dimensional Tracking with a BGO Crystal and a Hodoscope. , 2017, , .		0
46	First test of a high voltage feedthrough for liquid Argon TPCs connected to a 300 kV power supply. Journal of Instrumentation, 2017, 12, P03021-P03021.	0.5	11
47	Lamb shift measurement of antihydrogen for determining the charge radius of antiproton and a stringent test of CPT symmetry. Journal of Physics: Conference Series, 2017, 875, 022054.	0.3	1
48	Antihydrogen Formation and Level Population Evolution During Passage Through a Positron Plasma. , 2017, , .		0
49	Efficient antihydrogen detection in antimatter physics by deep learning. Journal of Physics Communications, 2017, 1, 025001.	0.5	7
50	Cryogenic Characterization of FBK RGB-HD SiPMs. Journal of Instrumentation, 2017, 12, P09030-P09030.	0.5	16
51	Antihydrogen Synthesis in a Double-Cusp Trap. , 2017, , .		2
52	Measurements and 3D Reconstruction of Antimatter Annihilations with the ASACUSA Micromegas Tracker. , 2017, , .		0
53	Manipulation and Transport of Antiprotons for an Efficient Production of Antihydrogen Atoms. , 2017, , .		1
54	Antihydrogen level population evolution: impact of positron plasma length. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 064007.	0.6	10

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55	Antihydrogen synthesis in a double-CUSP trap towards test of the CPT-symmetry. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.2	0
56	Towards measuring the ground state hyperfine splitting of antihydrogen – a progress report. <i>Hyperfine Interactions</i> , 2016, 237, 1.	0.2	8
57	The ASACUSA Micromegas Tracker: A cylindrical, bulk Micromegas detector for antimatter research. <i>Review of Scientific Instruments</i> , 2015, 86, 083304.	0.6	10
58	Towards a precise measurement of the antihydrogen ground state hyperfine splitting in a beam: the case of in-flight radiative decays. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2015, 48, 184001.	0.6	11
59	The development of the antihydrogen beam detector and the detection of the antihydrogen atoms for in-flight hyperfine spectroscopy. <i>Journal of Physics: Conference Series</i> , 2015, 635, 022061.	0.3	3
60	The ASACUSA CUSP: an antihydrogen experiment. <i>Hyperfine Interactions</i> , 2015, 235, 13-20.	0.2	5
61	A source of antihydrogen for in-flight hyperfine spectroscopy. <i>Nature Communications</i> , 2014, 5, 3089.	5.8	149
62	Measurement of Inclusive W^+Z Boson Production Cross Sections in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2014, 113, 251801.	2.9	94
63	Inclusive cross sections in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2014, 113, 251801.	1.6	37
64	Scaling behavior of the ground-state antihydrogen yield as a function of positron density and temperature from classical-trajectory Monte Carlo simulations. <i>Physical Review A</i> , 2014, 90, .	1.0	26
65	Spectroscopy apparatus for the measurement of the hyperfine structure of antihydrogen. <i>Hyperfine Interactions</i> , 2014, 228, 61-66.	0.2	6
66	Towards a spin polarized antihydrogen beam. <i>Hyperfine Interactions</i> , 2014, 228, 67-76.	0.2	1
67	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2014, 74, 2758.	1.4	35
68	Observation of a peaking structure in the W^+Z mass spectrum from pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 261801.	1.5	112
69	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	44
70	Measurement of the Λ_b^0 lifetime in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	17
71	Searches for long-lived charged particles in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	118
72	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	75

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73	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
74	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
75	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
76	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 88, .	1.6	7
77	Measurement of the production cross section for $\mathrm{Z}\gamma$ and $\mathrm{Z}\gamma\gamma$ in pp collisions at $\sqrt{s}=7$ TeV and limits on ZZ^3 and Z^3 triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
78	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
79	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
80	Measurement of masses in the $\overline{\mathrm{t}}\mathrm{t}$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
81			

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91	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	1.1	185
92	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
93	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
94	Measurement of the azimuthal ordering of charged hadrons with the ATLAS detector. Physical Review D, 2012, 86, .	1.6	3
95	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
96	Search for New Phenomena in $t\bar{t}$ Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 181802.	2.9	46
97	Search for a New Phenomenon in $t\bar{t}$ Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 181802.	2.9	31
98	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 022301.	2.9	101
99	Search for New Phenomena in $t\bar{t}$ Events from $p\bar{p}$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 022301.	2.9	80
100	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
101	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 081801.	2.9	90
102	Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 081801.	1.6	45
103	Resonances in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 081801.	2.9	33
104	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
105	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, 071803.	2.9	26
106	Measurement of the azimuthal anisotropy for charged particle production in lead-lead collisions with the ATLAS detector. Physical Review C, 2012, 86, .	1.1	365
107	Search for the Higgs Boson in the $H \rightarrow WW^{(*)} \rightarrow l^+ l^- \gamma \gamma$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.	2.9	35
108	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

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109	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. Measurement of D^0 production in jets from pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 211802.	1.6	26
110	Measurement of the cross section for top-quark pair production from ATLAS Measurements of the W boson in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 032001.	1.6	23
111	Measurement of the cross section for top-quark pair production from ATLAS Measurements of the W boson in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 012001.	2.9	117
112	Search for Production of Resonant States in the Photon-Jet Mass Distribution Using pp Collisions at $\sqrt{s} = 7$ TeV Collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 211802.	2.9	12
113	Production Cross Section and Limits on Anomalous Neutral Triple Gauge Couplings in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 032001.	2.9	33
114	Search for pair-produced heavy quarks decaying to W bosons in the two-lepton channel at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 032001.	1.6	23
115	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
116	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
117	Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 032001.	1.6	47
118	Observation of a New WZ production in the WZ channel in pp collisions with the ATLAS detector. Physical Review Letters, 2012, 108, 252002.	2.9	65
119	Search for resonant WZ production in the WZ channel in pp collisions with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	12
120	A study of the material in the ATLAS inner detector using secondary hadronic interactions. Journal of Instrumentation, 2012, 7, P01013-P01013.	0.5	23
121	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
122	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
123	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.	1.6	88
124	Measurement of inclusive two-particle angular correlations in pp collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	12
125	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
126	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

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127	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	30
128	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
129	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
130	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
131	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	14
132	Measurement of the isolated diphoton cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	41
133	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	35
134	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2012, 85, .	1.6	24
135	Measurement of the inclusive Z boson production cross sections in the $\sqrt{s} = 7$ TeV pp collisions using the ATLAS detector. Physical Review D, 2012, 85, .	1.6	31
136	Measurement of the inclusive Z boson production cross sections in the $\sqrt{s} = 7$ TeV pp collisions using the ATLAS detector. Physical Review D, 2012, 85, .	1.6	58
137	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
138	Measurement of the Z boson production cross sections in the $\sqrt{s} = 7$ TeV pp collisions using the ATLAS detector. Physical Review D, 2012, 85, .	1.6	37
139	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, .	2.9	171
140	Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV pp collisions using the ATLAS data. Physical Review D, 2012, 85, .	1.6	57
141	Measurement of the Z boson production cross sections in the $\sqrt{s} = 7$ TeV pp collisions using the ATLAS detector. Physical Review D, 2012, 85, .	1.5	37
142	Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 408-412.	1.5	10
143	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.5	12
144	Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.	1.5	12

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145	Search for supersymmetry with jets, missing transverse momentum and at least one hadronically decaying \tilde{l} , lepton in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	6
146	Study of W boson production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	2.76	83
147	Search for heavy top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.5	45
148	Search for high-mass resonances decaying into b -lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.5	29
149	Measurement of the t -channel single top-quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.5	14
150	Electron performance measurements with the ATLAS detector using the 2010 LHC proton-proton collision data. European Physical Journal C, 2012, 72, 1.	1.4	248
151	Rapidity gap cross sections measured with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	100
152	Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	13
153	Measurement of $\sigma_{\text{had}}^{\text{had}}$ 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.	1.4	109
154	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
155	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	25
156	Measurement of the t -channel single top-quark production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 2012, 1.	1.5	113
157	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 7$ TeV with ATLAS. European Physical Journal C, 2012, 72, 1.	1.4	230
158	Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.	1.4	259
159	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B \rightarrow \tau^+ \tau^-$ decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
160	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
161	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
162	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

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163	Measurement of the cross section for the production of a heavy Standard Model Higgs boson in the channel $W \rightarrow \tau \tau$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 478-496.	1.5	16
164	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, 478-496.	1.5	20
165	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, 478-496.	1.5	20
166	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, 478-496.	1.5	20
167	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, 478-496.	1.5	20
168	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, 478-496.	1.5	20
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180	Search for diphoton events with large 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, 2012, 707, 478-496.	1.5	21

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