

# Shunsuke Adachi

## List of Publications by Year in descending order

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Version: 2024-02-01

221  
papers

8,623  
citations

38720

50  
h-index

66879

78  
g-index

233  
all docs

233  
docs citations

233  
times ranked

8953  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved Upper Limit on Degree-scale CMB B-mode Polarization Power from the 670 Square-degree POLARBEAR Survey. <i>Astrophysical Journal</i> , 2022, 931, 101.	1.6	7
2	Two-particle Bose-Einstein correlations in $pp$ collisions at $\sqrt{s} = 13$ TeV measured with the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2022, 82, .	1.4	3
3	Longitudinal Flow Decorrelations in $Xe+Xe$ Collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , 2021, 126, 122301.	2.9	17
4	Measurement of the CP-violating phase $\phi_s$ in $B_s^0 \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. <i>European Physical Journal C</i> , 2021, 81, .	1.4	13
5	The Simons Observatory: The Large Aperture Telescope (LAT). <i>Research Notes of the AAS</i> , 2021, 5, 100.	0.3	8
6	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1.	1.4	3
7	Material survey for a millimeter-wave absorber using a 3D-printed mold. <i>Applied Optics</i> , 2021, 60, 7678.	0.9	2
8	The Simons Observatory Large Aperture Telescope Receiver. <i>Astrophysical Journal, Supplement Series</i> , 2021, 256, 23.	3.0	11
9	The Simons Observatory: metamaterial microwave absorber and its cryogenic applications. <i>Applied Optics</i> , 2021, 60, 864.	0.9	13
10	Small Aperture Telescopes for the Simons Observatory. <i>Journal of Low Temperature Physics</i> , 2020, 200, 461-471.	0.6	21
11	Measurement of $\hat{\gamma}$ Rays from the Giant Resonances in $^{12}\text{C}$ and $^{16}\text{O}$ Excited by the $((p,p'))$ Reaction at 392 MeV. , 2020, , .		0
12	Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	28
13	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	34
14	Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV $pp$ collisions using the ATLAS ALFA spectrometer. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	8
15	Measurement of isolated-photon plus two-jet production in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	3
16	Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	17
17	Observation of the associated production of a top quark and a Z boson in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	12
18	Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	28

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19	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	4
20	Measurements of top-quark pair spin correlations in the $\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	22
21	Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2020, 124, 222002.	2.9	28
22	Deployment of Polarbear-2A. <i>Journal of Low Temperature Physics</i> , 2020, 199, 1137-1147.	0.6	8
23	Measurement of Azimuthal Anisotropy of Muons from Charm and Bottom Hadrons in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2020, 124, 082301.	2.9	17
24	Production method of millimeter-wave absorber with 3D-printed mold. <i>Review of Scientific Instruments</i> , 2020, 91, 016103.	0.6	6
25	Results of gravitational lensing and primordial gravitational waves from the POLARBEAR experiment. <i>Journal of Physics: Conference Series</i> , 2020, 1468, 012007.	0.3	0
26	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	19
27	Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	7
28	Search for Magnetic Monopoles and Stable High-Electric-Charge Objects in 13 TeV Proton-Proton Collisions with the ATLAS Detector. <i>Physical Review Letters</i> , 2020, 124, 031802.	2.9	25
29	Measurement of the $Z(\gamma^* \rightarrow \mu\mu)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	9
30	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 8$ and 13 TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	5
31	Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s} = 8$ TeV p+Pb collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	12
32	Internal Delensing of Cosmic Microwave Background Polarization $B$ -Modes with the POLARBEAR Experiment. <i>Physical Review Letters</i> , 2020, 124, 131301.	2.9	25
33	Measurement of $J/\psi$ production in association with a $W^{\pm}$ boson with pp data at 8 TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	10
34	Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	68
35	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	93
36	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.	1.4	124

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37	Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	21
38	A Measurement of the Degree-scale CMB B-mode Angular Power Spectrum with Polarbear. Astrophysical Journal, 2020, 897, 55.	1.6	41
39	Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	15
40	A Measurement of the CMB E-mode Angular Power Spectrum at Subdegree Scales from 670 Square Degrees of POLARBEAR Data. Astrophysical Journal, 2020, 904, 65.	1.6	27
41	Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from	1.6	49
42	$p\bar{p}$ and $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV. Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from	2.9	23
43	Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV. Comparison of Fragmentation Functions for Jets Dominated by Light Quarks and Gluons from		

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55	Evidence for the Cross-correlation between Cosmic Microwave Background Polarization Lensing from Polarbear and Cosmic Shear from Subaru Hyper Suprime-Cam. <i>Astrophysical Journal</i> , 2019, 882, 62.	1.6	20
56	Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	24
57	Observation of Electroweak Production of a Same-Sign $W^+W^+$ Boson Pair in Association with Two Jets in $pp$ Collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	2.9	53
58	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	13
59	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s}=13\text{ TeV}$ . <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	77
60	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in $pp$ collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	3
61	Search for single production of vector-like quarks decaying into $Wb$ in $pp$ collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	27
62	Search for top-quark decays $t \rightarrow Hq$ with $36\text{ fb}^{-1}$ of $pp$ collision data at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	19
63	Measurement of $VH$ , $\text{H} \rightarrow \text{bb}$ production as a function of the vector-boson transverse momentum in $13\text{ TeV}$ $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	14
64	Measurements of W and Z boson production in $pp$ collisions at $\sqrt{s}=5.02\text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	17
65	Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	42
66	Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s}=13\text{ TeV}$ in ATLAS. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	14
67	Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from $pp$ Collisions at $\sqrt{s}=13\text{ TeV}$ . <i>Physical Review Letters</i> , 2019, 29, 122, 151801.		12
68	Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019, 14, P03017-P03017.	0.5	37
69	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 58.	1.4	61
70	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	39
71	In situ calibration of large-radius jet energy and mass in $13\text{ TeV}$ proton-proton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	28
72	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	46

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73	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
74	Measurement of the top quark mass in the $\text{Star}{t} \rightarrow t \bar{t} \hat{A}^- \hat{A}^+$ . European Physical Journal C, 2019, 79, 1.	1.4	47
75	Search for pair production of Higgs bosons in the $\overline{b} \overline{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	55
76	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.	1.4	25
77	Measurement of the top-quark mass in $\overline{t} t + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	27
78	Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	24
79	Measurement of ZZ production in the $\hat{a}, \hat{a}, \hat{1}/2 \hat{1}/2$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
80	Measurement of $W^{\pm}$ -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	8
81	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	1.6	50
82	Measurement of $W^{\pm}$ boson production in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ -ext {TeV}ext {V} with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	17
83	ATLAS b-jet identification performance and efficiency measurement with $t \bar{t}$ events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	130
84	Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{\text{NN}}} = 5.02$ -hbox {TeV} with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	36
85	Measurements of top-quark pair differential and double-differential cross-sections in the $ll + \text{jets}$ channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	34
86	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
87	Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb <sup>-1</sup> of ATLAS data. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
88	Measurement of $K_S^0$ and $\Lambda^0$ production in $t \bar{t}$ dileptonic events in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	1.4	4
89	Search for pair production of Higgs bosons in the $\overline{b} \overline{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.	2.9	50
90	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb <sup>-1</sup> of pp collisions at $s = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116

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91	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
92	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
93	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s}$ s. European Physical Journal C, 2018, 78, 102.	1.4	13
94	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	1.4	52
95	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	1.4	59
96	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.	1.4	75
97	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s}=13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	1.4	20
98	Search for heavy ZZ resonances in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	1.4	101
99	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.	1.4	66
100	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
101	Search for heavy resonances decaying into WW in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	1.4	108
102	Direct top-quark decay width measurement in the $t \rightarrow W b$ lepton+jets channel at $\sqrt{s}=8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	1.4	17
103	Search for WW/Z resonance production in $q\bar{q}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
104	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4\mu$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46
105	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	28
106	Measurement of the $Z\gamma \rightarrow u\bar{u}$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
107	Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}}=5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	1.4	19
108	Search for Higgs boson pair production in the $\gamma\gamma \rightarrow WW^* \rightarrow W\gamma$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	1.4	53

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109	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13, 8 \text{ TeV}$ . European Physical Journal C, 2018, 78, 847.	1.4	16
110	Angular analysis of $B_0 \rightarrow \pi^+ \pi^-$ decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	76
111	Combination of the Searches for Pair-Produced Vectorlike Partners of the Third-Generation Quarks at $\sqrt{s} = 13 \text{ TeV}$ and Observation of Centrality-Dependent Acoplanarity for Muon Pairs Produced via Two-Photon Scattering in $Pb\text{-}Pb$ Collisions at $\sqrt{s} = 2.76 \text{ TeV}$ . Physical Review Letters, 2018, 121, 212301.	2.9	145
112	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in $36 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.4	50
113	Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}$ Decay Channel in $Pb\text{-}Pb$ Collisions at $\sqrt{s} = 2.76 \text{ TeV}$ . Physical Review Letters, 2018, 121, 191801.	2.9	70
114	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
115	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
116	Search for Higgs boson pair production in the $b\bar{b}$ final state with $13 \text{ TeV}$ pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
117	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	30
118	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s} = 5.02 \text{ TeV}$ Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	1.4	51
119	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2018, 78, 903.	1.4	181
120	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	1.4	125
121	Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	56
122	Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.	1.4	25
123	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37
124	Search for pair production of heavy vector-like quarks decaying into high- $p_T$ W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	22
125	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using $36 \text{ fb}^{-1}$ of $\sqrt{s} = 13 \text{ TeV}$ pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	48



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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.	1.6	67
128	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
129	Search for charged Higgs bosons decaying via $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ , in the $\tau^{\pm} + \text{jets}$ and $\tau^{\pm} + \text{lepton}$ 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.	1.6	59
130	Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in $\sqrt{s}=5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	1.4	61
131	Search for $\tau^{\pm} \nu_{\tau} \rightarrow \tau^{\pm} \nu_{\tau} \nu_{\tau}$ decays between Singly and Doubly Resonant Top-Quark Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 152002.	2.9	16
132	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
133	Search for exclusive Higgs and Z boson decays to $\tau^{\pm} \tau^{\mp}$ and $\tau^{\pm} \nu_{\tau}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
134	Measurements of b-jet tagging efficiency with the ATLAS detector using $t \rightarrow b \bar{\nu}_t$ events at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
135	Search for flavour-changing neutral current top-quark decays $t \rightarrow q Z$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
136	Measurement of the inclusive and fiducial $t \bar{t} \rightarrow t \bar{t} \nu_{\tau}$ production cross-sections in the $t \bar{t} \nu_{\tau}$ final state. European Physical Journal C, 2018, 78, 487.	1.4	10
137	Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 081801.	2.9	41
138	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
139	Search for $\tau^{\pm} \nu_{\tau} \rightarrow \tau^{\pm} \nu_{\tau} \nu_{\tau}$ decays between Singly and Doubly Resonant Top-Quark Production in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2018, 121, 081801.	2.9	33
140	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 625.	1.4	27
141	Search for the Decay of the Higgs Boson to Charm Quarks with the ATLAS Experiment. Physical Review Letters, 2018, 120, 211802.	2.9	53
142	Search for a Structure in the $B \rightarrow s \gamma$ Invariant Mass Spectrum with the ATLAS Experiment. Physical Review Letters, 2018, 120, 202007.	2.9	29
143	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
144	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17

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145	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
146	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
147	Measurement of $\sigma_{\text{pol}}$ , polarisation in $Z/\gamma \rightarrow \text{e}^+ \text{e}^-$ . European Physical Journal C, 2018, 78, 163.	1.4	7
148	Searches for heavy ZZ and ZW resonances in the $\text{e}^+ \text{e}^-$ , $\text{q} \text{q}$ and $\text{e}^+ \text{e}^- \text{q} \text{q}$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
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151	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of ( $\sqrt{s}=13$ ) TeV pp collisions with the ATLAS detector. , 2018, 2018, 1.		1
152	Measurement of the W-boson mass in pp collisions at ( $\sqrt{s}=7$ , $\sqrt{s}=13$ TeV) with the ATLAS detector. , 2018, 78, 1.		1
153	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at ( $\sqrt{s}=13$ , $\sqrt{s}=13$ TeV). , 2018, 78, 1.		1
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157	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	1.4	87
158	Measurements of top-quark pair differential cross-sections in the $\text{e}^+ \text{e}^-$ channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	1.4	27
159	Measurement of the prompt $J/\psi$ 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
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189	Measurement of the inclusive jet cross-sections in proton-proton collisions at $s = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
190	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $s = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	38
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202	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	28
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206	Measurement of the $k_t$ splitting scales in $Z\tau^+\tau^-$ events in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
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208	Evidence for the $H\tau^+\tau^-$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	64
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215	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in $\sqrt{s}=8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
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220	Quantum-Classical Correspondence in Many-Dimensional Quantum Chaos. Physical Review Letters, 1988, 61, 659-661.	2.9	72
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