

Shanzhen Chen

List of Publications by Year in descending order

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Version: 2024-02-01

671
papers

37,434
citations

3149

92
h-index

6282

158
g-index

681
all docs

681
docs citations

681
times ranked

11605
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the $B_c \rightarrow B^0 \gamma$ decay properties and search for the $B_c \rightarrow B^0 \mu^+ \mu^-$ decay properties at $\sqrt{s} = 13.6$ TeV using pp collision data at the ATLAS detector. European Physical Journal C, 2022, 82, 118181.	1.6	51
2	Measurement of the c-jet mistagging efficiency in $pp \rightarrow B_c^0 + \text{jets}$ events using pp collision data at $\sqrt{s} = 13.6$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, 118181.	1.4	14
3	Analysis of Neutral $B_c^0 \rightarrow B^0 \mu^+ \mu^-$ Meson Decays into Two Muons. Physical Review Letters, 2022, 128, 041801.	2.9	46
4	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at $\sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 118181.	1.4	8
5	Search for massive long-lived particles decaying semileptonically at $\sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 118181.	2.9	33
6	Identification of charm jets at LHCb. Journal of Instrumentation, 2022, 17, P02028.	0.5	2
7	Study of $Z \rightarrow \mu^+ \mu^-$ Bosons Produced in Association with Charm in the Forward Region. Physical Review Letters, 2022, 128, 082001.	2.9	11
8	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
9	Measurement of the energy response of the ATLAS calorimeter to charged pions from $p_p \rightarrow p_a + \pi^0$ photoproduction in Pb-Pb peripheral collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2022, 105, 034910.	1.1	2
10	Measurement of the energy response of the ATLAS calorimeter to charged pions from $p_p \rightarrow p_a + \pi^0$ photoproduction in Pb-Pb peripheral collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2022, 82, 1.	1.4	4
11	Measurement of the photon polarization in $B_c^0 \rightarrow B^0 \mu^+ \mu^-$ decays using pp collision data at $\sqrt{s} = 13.6$ TeV. Physical Review Letters, 2022, 128, 082001.	1.6	6
12	Observation of the $B_c^0 \rightarrow B^0 \mu^+ \mu^-$ decay using pp collision data at $\sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 118181.	1.6	2
13	Measurement of the energy asymmetry in $p_p \rightarrow p_a + \pi^0$ production at $\sqrt{s} = 13.6$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, 118181.	1.4	2
14	Observation of Two New Excited $B_c^0 \rightarrow B^0 \mu^+ \mu^-$ States Decaying to $B^0 \mu^+ \mu^-$ and $B^0 \mu^+ \mu^-$ using pp collision data at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2022, 82, 118181.	2.9	10
15	Search for massive long-lived particles decaying semileptonically at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2022, 82, 118181.	1.4	2
16	Observation of the Decay $B_c^0 \rightarrow B^0 \mu^+ \mu^-$ using pp collision data at $\sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 118181.	2.9	33
17	Search for massive long-lived particles decaying semileptonically at $\sqrt{s} = 13.6$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 118181.	2.9	33
18	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. European Physical Journal C, 2022, 82, 118181.	1.4	12

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19	Angular Analysis of $D^0 \rightarrow \pi^+ \pi^- \pi^0$ Decays. Physical Review Letters, 2022, 128, .		
20	Study of the doubly charmed tetraquark $cc\bar{c}\bar{c}$. Nature Communications, 2022, 13, .	5.8	107
21	Observation of a new $b \rightarrow c \tau \nu$ decay. Physical Review D, 2021, 103, .	1.6	21
22	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1.	1.4	12
23	Measurements of WH and ZH production in the $b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	38
24	Search for long-lived particles decaying to $e^+ \mu^-$. European Physical Journal C, 2021, 81, 1.	1.4	9
25	Observation of a New Excited D_s^* Meson in $B \rightarrow D_s^* \pi$ Decays. Physical Review Letters, 2021, 126, 161802.	2.9	20
26	Observation of Multiplicity Dependent Prompt $D^0 \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2021, 126, 161802.	2.9	20
27	Search for Heavy Neutrinos in $(\pi^+ \rightarrow \mu^+ \nu)$ Decay and Status of Lepton Universality Test in the PIENU Experiment. , 2021, , .		0
28	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^+ \nu$, ext $\{jet\}$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
29	Search for three body pion decays $\tau^+ \rightarrow \pi^+ \pi^+ \pi^-$. Physical Review D, 2021, 103, .	1.6	10
30	Search for the rare decay $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$. Chinese Physics C, 2021, 45, 043001.	1.5	2
31	Angular Analysis of the $B^0 \rightarrow \pi^+ \pi^- \pi^0$ Decay. Physical Review Letters, 2021, 126, 161802.	2.9	20
32	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	18
33	Observation of the $b \rightarrow c K^* \tau \nu$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136172.	1.5	1
34	Measurement of the prompt-production cross-section ratio $\sigma(\tau^+ \tau^-)/\sigma(\tau^+ \tau^-)$ in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physical Review C, 2021, 103, .	1.1	5
35	Observation of new excited B_c^0 states. European Physical Journal C, 2021, 81, .	1.4	9
36	Search for tens of MeV neutrinos associated with gamma-ray bursts in Super-Kamiokande. Progress of Theoretical and Experimental Physics, 2021, 2021, .	1.8	1

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37	Precise measurement of the CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Physical Review D, 2020, 101, 1.	1.6	3
38	Measurement of the CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Physical Review D, 2020, 101, 1.	1.6	32
39	Search for the doubly charmed baryon Ξ_{cc}^{++} . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.9	93
40	Search for the doubly charmed baryon Ξ_{cc}^{++} . Science China: Physics, Mechanics and Astronomy, 2021, 64, 1.	2.0	10
41	Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a Z boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	12
42	Search for CP violation in $B^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2021, 104, .	1.6	6
43	Search for the doubly heavy baryons Ξ_{cc}^{++} and Ξ_{cc}^{+} decaying to $\Lambda_c^+ \Lambda_c^0$ and $\Lambda_c^+ \Lambda_c^+$. Chinese Physics C, 2021, 45, 093002.	1.5	23
44	Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	1.4	9
45	Search for time-dependent CP violation in $B^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2021, 104, .	1.6	9
46	Search for CP violation in $B^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2021, 104, .	1.6	9
47	First measurement of the CP-violating phase in $B^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2021, 104, .	1.4	10
48	Observation of excited doubly charmed baryons in Ξ_{cc}^{++} decays. Physical Review D, 2021, 104, .	1.6	19
49	Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.	1.4	7
50	Observation of the suppressed CP violation in $B^0 \rightarrow D^+ D^-$ decays. Physical Review D, 2021, 104, .	1.6	10
51	Search for the doubly charmed baryon Ξ_{cc}^{++} . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	2.0	35
52	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physical Review Letters, 2020, 125, 212001.	2.9	10
53	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $H \rightarrow b\bar{b}$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	32
54	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^+ K^-$ and $D^0 \rightarrow \bar{K}^0 K^0$ decays. Physical Review D, 2020, 101, .	1.6	8

#	ARTICLE	IF	CITATIONS
55	Improved search for two body muon decay $\hat{1}/4+\hat{\alpha}\dagger'e+XH$. Physical Review D, 2020, 101, . Isospin Amplitudes in $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mrow>\langle mml:mrow>\langle mml:msubsup>\langle mml:mrow>\langle mml:mi mathvariant="normal">\hat{1}\langle /mml:mi>\langle /mml:mrow>\langle mml:mrow>\langle mml:mi>b\langle /mml:mi>\langle /mml:mrow>\langle mml:mrow>\langle mml:mn>0\langle /mml:mn>\langle mml:mo>\langle mml:mi>\rangle\langle /mml:mi>\langle mml:mo stretchy="false">\hat{\alpha}\dagger'\langle /mml:mo>\langle mml:mi>\rangle\langle /mml:mi>\langle mml:mo stretchy="false">\langle /mml:mo>\langle mml:mi>\check{\Gamma}\langle /mml:mi>\langle mml:mi mathvariant="normal">\hat{1}\langle /mml:mi>\langle mml:mo$	1.6	9
56			

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73	Search for top squarks in events with a Higgs or Z boson using 139Âfb\$\$\$^{-1}\$\$\$ of pp collision data at \$\$\$\sqrt{s}=13\$\$\$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	4
74	Evidence for $t\bar{t}$ production in the multilepton final state in protonâ€“proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	1.4	30
75	Measurement of the $\{\eta_{c}\}$ (1S) production cross-section in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
76	Search for CP violation in $\{\chi_{c}\} \rightarrow \{p\} \{K\} \{\pi\}$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
77	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.	1.4	12
78	First observation of the decay $\chi_{c0} \rightarrow \{p\} \{K\} \{\pi\}$. Physical Review Letters, 2019, 123, 152001.	1.6	0
79	Atmospheric neutrino oscillation analysis with improved event reconstruction in Super-Kamiokande IV. Progress of Theoretical and Experimental Physics, 2019, .	1.8	38
80	First Observation of the Radiative Decay $\chi_{c0} \rightarrow \{p\} \{K\} \{\pi\} \gamma$. Physical Review Letters, 2019, 123, 152001.	2.9	19
81	Observation of New Resonances in the $\{B\} \rightarrow \{K\} \{\pi\}$ Decays. Physical Review Letters, 2019, 123, 152001.	2.9	19
82	Measurement of $\{B\} \rightarrow \{K\} \{\pi\}$ hadron fractions in 13 TeV collisions. Physical Review D, 2019, 100, .	1.6	51
83	Measurement of the relative $\{B\} \rightarrow \{K\} \{\pi\}$ branching fractions using $\{B\}$ mesons from $\{B\} \rightarrow \{K\} \{\pi\}$ decays. Physical Review D, 2019, 99, .	1.6	3
84	Measurement of the CP-violating phase $\{\gamma\}$ from $\{B\} \rightarrow \{K\} \{\pi\}$ decays. Physics Letters, 2019, 387, 125401.	1.5	6
85	Observation of the $\{\Lambda_{b}\} \rightarrow \{p\} \{K\} \{\pi\}$ (3872) pKâ€“ decay. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
86	Measurement of the Charm-Mixing Parameter γ_{CP} . Physical Review Letters, 2019, 122, 011802.	2.9	15
87	Search for CP Violation in $\{D\} \rightarrow \{K\} \{\pi\}$, $\{D\} \rightarrow \{K\} \{0\}$, and $\{D\} \rightarrow \{K\} \{\pi\}$ Decays. Physical Review Letters, 2019, 122, 191803.	2.9	9
88	Observation of $\{B\} \rightarrow \{K\} \{\pi\}$ decays. Physical Review Letters, 2019, 123, 152001.	2.9	9
89	Measurement of the $\{B\} \rightarrow \{K\} \{\pi\}$ branching fractions and $\{B\} \rightarrow \{K\} \{\pi\}$ decays. Physical Review Letters, 2019, 123, 152001.	1.6	17
90	Observation of $\{B\} \rightarrow \{K\} \{\pi\}$ Violation in Charm Decays. Physical Review Letters, 2019, 122, 211803.	2.9	157

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91	Observation of a Narrow Pentaquark State, $P_{c}(4312)^{+}$. <i>Physical Review Letters</i> , 2019, 122, 232001.	4.9	107
92	Observation of an Excited B_{c} State. <i>Physical Review Letters</i> , 2019, 122, 232001.	4.9	43
93	Search for Lepton-Universality violation in $B \rightarrow K \ell \ell$ Decays. <i>Physical Review Letters</i> , 2019, 122, 191801.	2.9	355
94	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
95	Model-Independent Observation of Exotic Contributions to $B \rightarrow K \ell \ell$ Decays. <i>Physical Review Letters</i> , 2019, 122, 152002.	2.9	24
96	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
97	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. <i>Physical Review Letters</i> , 2019, 122, 132002.	2.9	48
98	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
99	Measurement of the mass and production rate of Λ_{b} baryons. <i>Physical Review D</i> , 2019, 99, .	1.6	18
100	Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	8
101	Measurement of the electron reconstruction efficiency at LHCb. <i>Journal of Instrumentation</i> , 2019, 14, P11023-P11023.	0.5	7
102	Measurement of the meson production fraction and asymmetry in 7 and 13.6 TeV pp collisions. <i>Physical Review D</i> , 2019, 100, .	1.6	12
103	Measurement of $B \rightarrow K \ell \ell$ and $B \rightarrow K \ell \ell$ Decays. <i>Physical Review Letters</i> , 2019, 123, 241802.	2.9	48
104	Search for Lepton-Flavor Violating Decays $B \rightarrow K \ell \ell$. <i>Physical Review Letters</i> , 2019, 123, 241802.	2.9	18
105	Measurement of C -Violating and Mixing-Induced Observables in $B \rightarrow P$ Decays. <i>Physical Review Letters</i> , 2019, 123, 231802.	2.9	10
106	Amplitude Analysis of $B \rightarrow K \ell \ell$ Decays. <i>Physical Review Letters</i> , 2019, 123, 231802.	2.9	38
107	-Tagged Jets in Proton-Proton Collisions at $\sqrt{s}=13.6$ TeV. <i>Physical Review Letters</i> , 2019, 123, 231802.	2.9	10
108	Observation of Two Resonances in the $B \rightarrow K \ell \ell$ System and Precise Measurement of $B \rightarrow K \ell \ell$ Decays. <i>Physical Review Letters</i> , 2019, 123, 231802.	2.9	48

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109	Search for excited B c + states. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
110	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at s = 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	116
111	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at s = 13 TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
112	Search for Dark Photons Produced in 13 TeV Collisions. Physical Review Letters, 2018, 120, 061801.	2.9	113
113	Measurement of the W-boson mass in pp collisions at s = 7 TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	1.4	218
114	First observation of forward Zτ ⁺ bb ⁻ production in pp collisions at s=8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.	1.5	2
115	Measurement of CP observables in B [±] D(Ā [±])K [±] and B [±] D(Ā [±])Ī [±] decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 16-30.	1.5	15
116	Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at s TeV. European Physical Journal C, 2018, 78, 102.	1.4	13
117	Search for the direct production of charginos and neutralinos in final states with tau leptons in s = 13 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	1.4	52
118	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at s _{NN} = 2.76 and 5.0. European Physical Journal C, 2018, 78, 142.	1.4	59
119	Measurement of quarkonium production in proton-lead and proton-proton collisions at s = 5.02 TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	1.4	75
120	Measurement of differential cross-sections of a single top quark produced in association with a W boson at s = 13 TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	1.4	20
121	Search for heavy ZZ resonances in the e ⁺ e ⁻ → e ⁺ e ⁻ + Ā [±] + Ā [±] - Ā [±] + Ā [±] - and e ⁺ e ⁻ → u ⁺ u ⁻ + Ā [±] - Ī [±] Ī [±] Ā ⁻ final states using proton-proton collisions at s = 13 TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	1.4	101
122	A search for pair-produced resonances in four-jet final states at s = 13 TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	1.4	66
123	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 fb ⁻¹ of s = 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	40
124	Search for heavy resonances decaying into WW in the e ⁺ μ ⁺ u ⁺ e ⁻ Ī [±] Ī [±] Ī [±] final state in pp collisions at s = 13 TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	1.4	108
125	Direct top-quark decay width measurement in the t → τ + Ā ⁻ lepton+jets channel at s = 8 TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	1.4	17
126	Measurement of CP asymmetry in B ⁰ → sĀ [±] D [±] sK [±] decays. Journal of High Energy Physics, 2018, 2018, 1.6	1.6	13

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127	Search for the lepton-flavour violating decays $B_0(s) \rightarrow e^+ e^- \tau^+ \tau^-$. Journal of High Energy Physics, 2018, 2018, 1.		21
128	First measurement of the CP-violating phase $\arg(\lambda_{cb})$ in $B_0 \rightarrow K^+ K^- (\pi^+ \pi^-)$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
129	Search for $W^+ W^- Z$ resonance production in $\tau^+ \tau^-$ 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
130	Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\tau$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	46
131	Radiation Damage Effects and Operation of the LHCb Vertex Locator. IEEE Transactions on Nuclear Science, 2018, 65, 1127-1132.	1.2	1
132	Improved search for heavy neutrinos in the decay $B \rightarrow e^+ e^- \tau^+ \tau^-$. Physical Review D, 2018, 97, 032004.	1.6	59
133	Improved search for heavy neutrinos in the decay $B \rightarrow e^+ e^- \tau^+ \tau^-$. Physical Review D, 2018, 97, 032004.	1.6	189
134	Measurement of the Ratio of the $B \rightarrow D^* \tau^+ \tau^-$ and $B \rightarrow D^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2018, 120, 171802.	1.6	204
135	Measurement of the Ratio of the $B \rightarrow D^* \tau^+ \tau^-$ and $B \rightarrow D^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2018, 120, 171802.		

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145	Evidence for an $\eta_c(1S)$ $\pi^+\pi^-$ resonance in $B^0 \rightarrow \eta_c(1S) K^+\pi^-$		
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163	Measurement of the CP asymmetry in $B^0 \rightarrow \pi^+ \pi^- D^0$ and $B^0 \rightarrow \pi^+ \pi^- D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	2
164	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
165	Search for the rare decay $B^0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$. Physical Review D, 2018, 97, .	1.6	17
166	Search for weakly decaying b -flavored pentaquarks. Physical Review D, 2018, 97, .	1.6	7
167	Search for Boosted Dark Matter Interacting with Electrons in Super-Kamiokande. Physical Review Letters, 2018, 120, 221301.	2.9	49
168	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
169	First observation of $B^0 \rightarrow \pi^+ \pi^- D^0$ and a search for $B^0 \rightarrow \pi^+ \pi^- D^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.8	21
170	Measurements of the branching fractions of $B^0 \rightarrow \pi^+ \pi^- \rho^+ \rho^-$, $B^0 \rightarrow \pi^+ \pi^- \rho^0 \rho^0$, and $B^0 \rightarrow \pi^+ \pi^- \rho^+ \rho^-$. Journal of High Energy Physics, 2018, 2018, .	1.6	10
171	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
172	Search for B_c^+ decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582.	0.9	8
173	Measurement of the Lifetime of the Doubly Charmed Baryon Ξ_{cc}^+ . Physical Review Letters, 2018, 121, 052002.	2.9	76
174	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
175	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
176	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
177	Measurement of σ_{pol} , polarisation in $Z/\gamma \rightarrow \mu^+ \mu^-$. European Physical Journal C, 2018, 78, 163.	1.4	7
178	Measurement of branching fractions of charmless four-body $B^0 \rightarrow b \bar{b} 0$ and $\bar{B}^0 \rightarrow b b 0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
179	Searches for heavy ZZ and ZW resonances in the $\gamma^*, \gamma, \text{qq}$ and $1/2 \text{qq}$ 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
180	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	33

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181	Observation of the decay $\Lambda_b^0 \rightarrow \Lambda_c^+ p \bar{p} \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111.	1.5	8
182	Observation of a New $\Lambda(1520)^0$ Resonance. Physical Review Letters, 2018, 121, 072002.	2.9	27
183	Measurement of differential cross sections and W^+W^0 cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
184	Evidence for the Rare Decay $\Lambda_c^+ \rightarrow \Lambda^0 p \pi^+$. Physical Review Letters, 2018, 120, 221803.	2.9	24
185	Search for the CP-violating strong decays $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^0$ and $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+ \pi^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 233-240.	1.5	7
186	Search for the suppressed decays $B^+ \rightarrow K^+ K^+ \pi^-$ and $B^+ \rightarrow \pi^+ \pi^+ K^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 307-316.	1.5	9
187	Amplitude analysis of $B^0 \rightarrow K^+ K^- \pi^0$. Physical Review Letters, 2017, 118, 081801.	1.6	92
188	Observation of the Amplitude Decay Mode $B^0 \rightarrow K^+ K^- \pi^0$ Consistent with Exotic States from Amplitude Analysis of $B^0 \rightarrow K^+ K^- \pi^0$. Physical Review Letters, 2017, 118, 081801.	2.9	150
189	Observation of the Amplitude Decay Mode $B^0 \rightarrow K^+ K^- \pi^0$. Physical Review Letters, 2017, 118, 081801.	2.9	25
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191	Measurement of the $\sigma(\tau^+ \tau^- Z)$ and $\sigma(\tau^+ \tau^- W)$ production cross sections in multilepton final states using 3.2 fb $^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	1.4	41
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195	Amplitude Analysis of the Decays $B^0 \rightarrow K^+ K^- \pi^0$ and $B^0 \rightarrow K^+ K^- \pi^0$. Physical Review Letters, 2017, 118, 012001.		28
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198	Measurement of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 220.	1.4	11

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200	Measurement of the phase difference between short- and long-distance amplitudes in the $B^+ \rightarrow K^+ \ell^+ \ell^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
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207	Measurement of CP asymmetry in $D^0 \rightarrow K^+ K^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 177-187.	1.5	17
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218	Study of charmonium production in B -hadron decays and first evidence for the decay $B \rightarrow \phi \phi \phi$. European Physical Journal C, 2017, 77, 609.	1.4	17
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221	Measurements of charm mixing and $C \rightarrow P$ violation using $D \rightarrow K \Lambda_c^+ \Lambda^0$ decays. Physical Review D, 2017, 95, .	1.6	11
222	Measurement of the B_{Δ}^{\pm} production asymmetry and the CP asymmetry in $B_{\Delta}^{\pm} \rightarrow J/\psi K_{\Delta}^{\pm}$ decays. Physical Review D, 2017, 95, .	1.6	6
223	Search for the $B \rightarrow \Lambda_c^+ \Lambda^0$ decay. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
224	Observation of the decay $B \rightarrow \Lambda_c^+ \Lambda^0$ and a search for CP violation. Journal of High Energy Physics, 2017, 2017, .	1.6	11
225	Measurement of $B \rightarrow \Lambda_c^+ \Lambda^0$ and $D \rightarrow \Lambda_c^+ \Lambda^0$ decays. Physical Review Letters, 2017, 118, 261803.	2.9	15
226	Observation of the Doubly-Charmed Baryon Λ_{cc}^+ . Physical Review Letters, 2017, 119, 112001.	2.9	417
227	Measurement of the CP Violation Parameter A_{FB}^0 in $D \rightarrow K^+ K^0$ and $D \rightarrow K^+ K^0$ Decays. Physical Review Letters, 2017, 118, 261803.	2.9	20
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229	States Decaying to $\Lambda_c^+ \Lambda^0$. Physical Review Letters, 2017, 118, 261803.	2.9	234
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231	Measurement of $B \rightarrow \Lambda_c^+ \Lambda^0$ decays. Physical Review Letters, 2017, 118, 261803.	1.5	18
232	Observation of the $\Lambda_c^+ \Lambda^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 265-273.	1.5	17
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245	$\psi(1)$ and $\psi(2)$ Resonance Parameters with the Decays $\psi(1,2) \rightarrow \ell^+ \ell^- \gamma$. Physical Review Letters, 2017, 119, 221801.	2.9	21
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254	Measurement of the J/ψ pair production cross-section in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	34
255	Observation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \tilde{\Gamma} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 3686 \langle \text{mml:mn} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo stretchy="false"} \rangle \hat{\alpha}' \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle e \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/M. Physical Review Letters, 2017, 118, 221802. \rangle$	2.9	13
256	Measurements of $\tilde{\Gamma}(2S)$ and $X(3872) \hat{\alpha}' J/\psi \tilde{\Gamma} + \tilde{\Gamma} \hat{\alpha}'$ production in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	33
257	Measurements of top-quark pair to Z-boson cross-section ratios at $s = 13 \sqrt{s} = 13 \text{ TeV}$, 8, 7 TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
258	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	1.4	79
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260	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	1.4	489
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263	Precision measurement and interpretation of inclusive W^+W , W^-W . European Physical Journal C, 2017, 77, 367.	1.4	145
264	Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ s}$ NN = 2.76. European Physical Journal C, 2017, 77, 379.	1.4	51
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268	Measurement of charged-particle distributions sensitive to the underlying event in $s = 13 \sqrt{s} = 13 \text{ TeV}$ proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
269	Evidence for the two-body charmless baryonic decay $B \rightarrow \pi^+ p \bar{\Lambda}^-$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
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272	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	1.4	19
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275	Study of $\overline{b}b$ correlations in high energy proton-proton collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
276	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
277	Measurement of CP observables in $B \rightarrow D^* K^*$ decays using two- and four-body D final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
278	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
279	Measurement of $B \rightarrow B^+ B^-$ and $B \rightarrow B^0 B^0$ decays in the mass region above the $\bar{K}^*(1020)$. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2017, 774, 133-158.	1.5	13
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281	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $s = 13 \sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	1.6	38
282	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	1.4	35
283	Measurement of $WW/WZ \rightarrow \ell \ell \nu \nu$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	1.4	28
284	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $s = 13 \sqrt{s} = 13 \text{ TeV}$ proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
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297	Bose-Einstein correlations of same-sign charged pions in the forward region in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
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300	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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304	Measurement of the k_t splitting scales in $Z \rightarrow \tau^+ \tau^-$ 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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323	Measurement of the $\overline{b}b$ dijet cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	1.4	12
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328	Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
329	Observation of $B^0 \rightarrow (2S) p K^+$ and $B^0 \rightarrow \bar{K}^0 \bar{K}^+ p K^+$ decays and a measurement of the B^0 baryon. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
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