Bobby Acharya

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

 192
 14,671
 42
 120

 papers
 citations
 h-index
 g-index

 204
 17,045
 4.6
 2.58

 ext. papers
 ext. citations
 avg, IF
 L-index

#	Paper	IF	Citations
192	Emulating the impact of additional protonBroton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	O
191	Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022 , 82, 1	4.2	0
190	Search for exotic decays of the Higgs boson into b\$\$ overline{b} \$\$ and missing transverse momentum in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	O
189	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 13[\$\$text {TeV}\$\$ with the ATLAS detector. European Physical Journal C, 2022, 82, 1	4.2	0
188	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fbfl of pp collision data at \$\$ sqrt{s} \$\$ = 13 TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1	5.4	O
187	AtlFast3: The Next Generation of Fast Simulation in ATLAS. <i>Computing and Software for Big Science</i> , 2022 , 6, 1	6	0
186	Measurement of the energy response of the ATLASItalorimeter to chargedIpions from \$\$W^{pm }rightarrow tau ^{pm }(rightarrow pi ^{pm }nu _{tau })nu _{tau }\$\$ events in RunI2 data. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	O
185	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	
184	Search for associated production of a Z boson with an invisibly decaying Higgs boson or dark matter candidates at s=13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 137066	4.2	O
183	A search for an unexpected asymmetry in the production of e+tand e⊞ pairs in protonproton collisions recorded by the ATLAS detector at s=13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 137106	4.2	
182	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\$$ sqrt $\{s\}$ = 7 $\$$ \$, 8 and 13 \blacksquare TeV. <i>European Physical Journal C</i> , 2022 , 82, 1	4.2	1
181	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using (sqrt{s} = 13hbox { TeV}) protonproton collision data. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
180	Measurement of the t(overline{t})t(overline{t}) production cross section in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
179	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at ($sqrt{s} = 13,{text TeV}$) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
178	Measurement of light-by-light scattering and search for axion-like particles with 2.2 nb 1 of Pb+Pb data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
177	Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at ($sqrt{s}$) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
176	Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at ($sqrt{s}$) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6

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175	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
174	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in protonproton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
173	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,	4.2	1
172	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton p roton collisions. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	2
171	Search for heavy resonances decaying into a pair of Z bosons in the (ell $^+$ ell $^+$ ell $^+$ ell $^+$) and (ell $^+$ ell $^-$ nu {{bar{nu }}}) final states using 139 (mathrm {fb}^{-1}) of proton \overline{p} roton collisions at (sqrt{s} = 13,)TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	8
170	Search for new phenomena in final states with b-jets and missing transverse momentum in (sqrt{mathrm{s}}) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
169	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the (ell ell bb) and (ell ell WW) final states in pp collisions at (sqrt{s}=13) (text {TeV}) with the ATLAS detector. European Physical Journal C, 2021, 81, 1	4.2	7
168	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. Journal of High Energy Physics, 2021 , 2021, 1	5.4	3
167	Measurements of W+W \blacksquare \Box jet production cross-sections in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	0
166	Search for charged Higgs bosons decaying into a top quark and a bottom quark at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
165	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at (sqrt{s}=13,text {TeV}). European Physical Journal C, 2021, 81, 1	4.2	O
164	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a Elepton in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	6
163	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021 , 17, 819-825	16.2	4
162	Test of the universality of <code>land llepton</code> couplings in W-boson decays with the ATLAS detector. Nature Physics, 2021 , 17, 813-818	16.2	1
161	Two-particle azimuthal correlations in photonuclear ultraperipheral Pb+Pb collisions at 5.02 TeV with ATLAS. <i>Physical Review C</i> , 2021 , 104,	2.7	2
160	Search for supersymmetry in events with four or more charged leptons in 139 fb 1 of (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
159	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W∃ and Z boson production in association with jets. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
158	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O

157	A search for the decays of stopped long-lived particles at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	1
156	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at (sqrt{s}=13) TeV. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	13
155	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at (b)=13 TeV. <i>Journal of Instrumentation</i> , 2021 , 16, P07029	1	1
154	Measurement of hadronic event shapes in high-pT multijet final states at ($sqrt{s}$) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	3
153	A search for the dimuon decay of the Standard Model Higgs boson with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 812, 135980	4.2	21
152	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb[] of (sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	8
151	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton B roton collisions at ATLAS. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	5
150	Measurements of WH and ZH production in the (H rightarrow bbar{b}) decay channel in pp collisions at (13,text {Te}text {V}) with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	7
149	Search for dark matter in association with an energetic photon in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	5
148	Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at (sqrt{s}=13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	О
147	The ATLAS Fast TracKer system. Journal of Instrumentation, 2021, 16, P07006	1	0
146	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $(sqrt{s} = 8, text {TeV})$ with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
145	Jet energy scale and resolution measured in protonproton collisions at (sqrt{s}=13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	11
144	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021 , 16, P08025	1	1
143	Measurements of the inclusive and differential production cross sections of a top-quarkIntiquark pair in association with a Z boson at (sqrt{s} = 13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
142	Exclusive dimuon production in ultraperipheral Pb+Pb collisions at sNN=5.02TeV with ATLAS. <i>Physical Review C</i> , 2021 , 104,	2.7	2
141	Search for New Phenomena in Final States with Two Leptons and One or No b-Tagged Jets at sqrt[s]=13 TeV Using the ATLAS Detector. <i>Physical Review Letters</i> , 2021 , 127, 141801	7.4	1
140	Search for dark matter produced in association with a single top quark in (sqrt{s}=13) TeV (pp) collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	4

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139	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at (sqrt{mathrm{s}}) = 13 TeV using the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	2
138	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
137	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	О
136	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
135	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV using displaced vertices in the ATLAS inner detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	O
134	Search for charginofleutralino pair production in final states with three leptons and missing transverse momentum in \$\$sqrt{s} = 13\$\$[TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
133	Configuration and performance of the ATLAS b-jet triggers in Run 2. <i>European Physical Journal C</i> , 2021 , 81, 1	4.2	1
132	Search for Lepton-Flavor Violation in Z-Boson Decays with Leptons with the ATLAS Detector <i>Physical Review Letters</i> , 2021 , 127, 271801	7.4	O
131	Measurement of b-quark fragmentation properties in jets using the decay $BH \rightarrow J/KH$ in pp collisions at \$\$ sqrt{s} \$\$ = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1	5.4	О
130	Performance of the upgraded PreProcessor of the ATLAS Level-1 Calorimeter Trigger. <i>Journal of Instrumentation</i> , 2020 , 15, P11016-P11016	1	2
129	Higgs boson production cross-section measurements and their EFT interpretation in the (4ell) decay channel at (sqrt{s}=)13 TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	12
128	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
127	ATLAS data quality operations and performance for 20152018 data-taking. <i>Journal of Instrumentation</i> , 2020 , 15, P04003-P04003	1	16
126	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb ¹ of data collected with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
125	Performance of electron and photon triggers in ATLAS during LHC Run 2. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	30
124	Search for top squarks in events with a Higgs or Z boson using 139 fb(^{-1}) of pp collision data at (sqrt{s}=13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	1
123	Evidence for (tbar{t}tbar{t}) production in the multilepton final state in protonproton collisions at (sqrt{s}=13) (text {TeV}) with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	8
122	Search for heavy diboson resonances in semileptonic final states in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	4

121	Search for a scalar partner of the top quark in the all-hadronic (t{bar{t}}) plus missing transverse momentum final state at (sqrt{s}=13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	17
120	Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1	4.2	4
119	Determination of jet calibration and energy resolution in proton β roton collisions at (sqrt{s} = 8~hbox {TeV}) using the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	3
118	Search for (toverline{t}) resonances in fully hadronic final states in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	6
117	Reconstruction and identification of boosted di-systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	3
116	Evidence for electroweak production of two jets in association with a Zipair in pp collisions at s=13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 803, 135341	4.2	5
115	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	8
114	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1	5.4	9
113	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4(ell) decay channel at (sqrt{s}) = 13 TeV. <i>European Physical Journal C</i> , 2020 , 80, 1	4.2	9
112	Performance of the ATLAS muon triggers in Run 2. <i>Journal of Instrumentation</i> , 2020 , 15, P09015-P09015	51	13
112	Performance of the ATLAS muon triggers in Run 2. <i>Journal of Instrumentation</i> , 2020 , 15, P09015-P09019 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	51 4.2	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		
111	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 Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy</i>	4.2	13
111	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 Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 Search for the HH{ boverline{b}boverline{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</i>	4.2 5.4	13 5
111	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 Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 Search for the HH	4.2 5.4 5.4	13 5 5
111 110 109 108	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 Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 Search for the HH{ boverline{b}boverline{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 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 Measurements of top-quark pair spin correlations in the (emu) channel at (sqrt{s} = 13) TeV using	4.2 5.4 5.4	13 5 5 5
111 110 109 108	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 Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 Search for the HH{ boverline{b}-boverline{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 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 Measurements of top-quark pair spin correlations in the (emu) channel at (sqrt{s} = 13) TeV using pp collisions in the ATLAS detector. <i>European Physical Journal C</i> , 2020 , 80, 1 Measurement of the cross-section and charge asymmetry of W bosons produced in proton proton	4.2 5.4 5.4 4.2	13 5 5 5 8

(2019-2019)

Observation of electroweak W∃Z boson pair production in association with two jets in pp collisions at s=13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 469-492	4.2	22
Search for invisible Higgs boson decays in vector boson fusion at s=13TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 499-519	4.2	21
Combinations of single-top-quark production cross-section measurements and fLVVtb determinations at (sqrt{s}) = 7 and 8 TeV with the ATLAS and CMS experiments. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
Measurement of VH, (mathrm{H}to mathrm{b}overline{mathrm{b}}) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	8
. Journal of High Energy Physics, 2019 , 2019, 1	5.4	9
. Journal of High Energy Physics, 2019 , 2019, 1	5.4	10
Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	19
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	1	25
In situ calibration of large-radius jet energy and mass in 13 TeV protonproton collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
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	4.2	26
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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	5
Search for pair production of Higgs bosons in the (boverline{b}boverline{b}) final state using proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31
Constraints on mediator-based dark matter and scalar dark energy models using (sqrt{s}) = 13 TeV pp collision data collected by the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1	5.4	31
Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. <i>Physical Review Letters</i> , 2019 , 122, 231801	7·4	45
Measurements of gluongluon fusion and vector-boson fusion Higgs boson production cross-sections in the H ->WW? ->eldecay channel in pp collisions at s=13TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 508	4.2 -529	27
Measurement of fiducial and differential (W^+W^-) production cross-sections at (sqrt{s}=13) TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	16
Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton p roton collisions at 8 TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	4
Electron and photon performance measurements with the ATLAS detector using the 2015 2 017 LHC proton-proton collision data. <i>Journal of Instrumentation</i> , 2019 , 14, P12006-P12006	1	51
	at s=13 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 469-492 Search for invisible Higgs boson decays in vector boson fusion at s=13TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 499-519 Combinations of Single-top-quark production cross-section measurements and [FLVVtb] determinations at (sqrt(s)) = 7 and 8 TeV with the ATLAS and CMS experiments. Journal of High Energy Physics, 2019, 2019, 1 Measurement of VH. (mathrm(H) to mathrm(b) overline(mathrm(b)) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1 Journal of High Energy Physics, 2019, 2019, 1 Performance of top-quark and (varvec(W))-boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1 Electron and photon energy calibration with the ATLAS detector using 20152016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017 In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1 Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1 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 Search for pair production of Higgs bosons in the (boverline(b) boverline(b) final state using proton-proton collisions at (sqrt(s)=13) TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1 Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801 Measurement of fiducial and differential (W^+W^-) production or	at s=13 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 469-492 Search for invisible Higgs boson decays in vector boson fusion at s=13TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 499-519 42 Combinations of single-top-quark production cross-section measurements and JFLVVtb determinations at (sqrt(s)) = 7 and 8 TeV with the ATLAS and CMS experiments. Journal of High Energy Physics, 2019, 2019, 1 Measurement of VH, (mathrm(H)to mathrm(b)overline(mathrm(b)) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1 . Journal of High Energy Physics, 2019, 2019, 1 . Journal of High Energy Physics, 2019, 2019, 1 . Journal of High Energy Physics, 2019, 2019, 1 Performance of top-quark and (varvec(W))-boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1 Electron and photon energy calibration with the ATLAS detector using 20158016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017 In situ calibration of large-radius jet energy and mass in 13 TeV protonBroton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1 Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1 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 Constraints on mediator-based dark matter and scalar dark energy models using (sqrt(s)) = 13 TeV proclisions at squarements of the number of the production of High Energy Physics, 2019, 2019, 1 Constraints on mediator-based dark matter and scalar dark energy models using (sqrt(s)) = 13 TeV proclision

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84	Measurements of top-quark pair differential and double-differential cross-sections in the (ell)+jets channel with pp collisions at (sqrt{s}=13) TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2019 , 79, 1	4.2	13
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82	Measurement of the production cross-section of a single top quark in association with a Z boson in protonproton collisions at 13 TeV with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 557-577	4.2	14
81	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	12
80	Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 784, 173-191	4.2	118
79	Measurement of differential cross sections and W+/Wltross-section ratios for W boson production in association with jets at (sqrt{s}=8) TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1	5.4	7
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73	Observation of H-bbddecays and VH production with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics,</i> 2018 , 786, 59-86	4.2	87
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