

E TorrÃ³ Pastor

List of PR Articles by Year in descending order

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577

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30502

doc citations

4975

80

h-index

13557

citing authors

#	ARTICLE	IF	PR CITATIONS
1	Search for non-resonant production of semi-visible jets using Run 2 data in ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2024, 848, 138324. Measurement of the $\sigma(\text{pp} \rightarrow \text{Z} + \text{jet})$ cross section and its ratio to the Z production cross section using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, .	4.3	11
2	Measurement of the production cross-section of $\text{Z} \rightarrow \text{e}^+ \text{e}^-$ mesons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, .	4.3	4
3	A precise measurement of the Z-boson double-differential transverse momentum and rapidity distributions in the full phase space of the decay leptons with the ATLAS experiment at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2024, 84, .	4.3	1
4	Software Performance of the ATLAS Track Reconstruction for LHC Run 3. Computing and Software for Big Science, 2024, 8, .	4.3	7
5	Performance of the ATLAS forward proton Time-of-Flight detector in Run 2. Journal of Instrumentation, 2024, 19, P05054.	4.5	5
6	Beam-induced backgrounds measured in the ATLAS detector during local gas injection into the LHC beam vacuum. Journal of Instrumentation, 2024, 19, P06014.	4.5	7
7	Search for short- and long-lived axion-like particles in $\text{pp} \rightarrow \text{a} + \text{jet} + \text{jet} + \text{jet}$ decays with the ATLAS experiment at the LHC. European Physical Journal C, 2024, 84, .	4.5	10
8	Search for flavour-changing neutral-current couplings between the top quark and the Higgs boson in multi-lepton final states in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2024, 84, .	4.5	7
9	Search for leptoquark pair production decaying into $\text{t} \bar{\text{t}} + \text{e}^+ \text{e}^-$ or $\text{t} \bar{\text{t}} + \mu^+ \mu^-$ in multi-lepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, .	4.5	4
10	Measurements of the production cross-section for a Z boson in association with b- or c-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, .	4.5	3
11	Precise test of lepton flavour universality in $\text{W} \rightarrow \mu \text{e}$ boson decays into muons and electrons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2024, 84, .	4.5	2
12	Constraints on simplified dark matter models involving an s-channel mediator with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2024, 84, .	4.5	8
13	Search for flavour-changing neutral-current couplings between the top quark and the photon with the ATLAS detector at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 842, 137379.	4.3	13
14	Measurement of the nuclear modification factor of b-jets in 5.02 TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	11

#	ARTICLE	IF	PR CITATIONS
19	Measurement of the polarisation of W bosons produced in top-quark decays using dilepton events at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 137848.	4.3	6
20	Observation of gauge boson joint-polarisation states in $W\text{A}Z$ production from pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 137895.	4.3	10
21	Constraints on the Higgs boson self-coupling from single- and double-Higgs production with the ATLAS detector using pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 137745.	4.3	40
22	Observation of four-top-quark production in the multilepton final state with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	34
23	Constraints on spin-0 dark matter mediators and invisible Higgs decays using ATLAS 13 TeV pp collision data with two top quarks and missing transverse momentum in the final state. European Physical Journal C, 2023, 83, .	4.5	13
24	Search for pair-production of vector-like quarks in pp collision events at $\sqrt{s}=13$ TeV with at least one leptonically decaying Z boson and a third-generation quark with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 138019.	4.3	27
25	Searches for new phenomena in events with two leptons, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	29
26	Measurements of observables sensitive to colour reconnection in $t\bar{t}$ events with the ATLAS detector at $\sqrt{s}=13$ TeV. European Physical Journal C, 2023, 83, .	4.5	3
27	Search for Higgs boson pair production in association with a vector boson in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	5
28	Measurement of the charge asymmetry in top-quark pair production in association with a photon with the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 137848.	4.3	5
29	Measurement of the suppression and correlations of dijets in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2023, 107, .	3.2	9
30	Measurement of substructure-dependent jet suppression in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2023, 107, .	3.2	24
31	Correlations between flow and transverse momentum in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2023, 107, .	3.2	34
32	Measurement of searches for invisible decays of the Higgs boson using 139 fb ⁻¹ of proton-proton collision data at $\sqrt{s}=13$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 137880.	4.3	60
33	Production of the ATLAS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 137880.	4.3	15
34	Measurements of the total cross section and σ_{Higgs} -parameter from elastic scattering in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	28
35	Measurement of the Higgs boson mass in the $H\rightarrow\tau\tau$ decay channel using 139 fb ⁻¹ of $\sqrt{s}=13$ TeV pp collisions recorded by the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 843, 137880.	4.3	12

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37	Measurement of $Z\gamma\gamma$ production in pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	8
38	Measurement of the CP properties of Higgs boson interactions with τ -leptons with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	14
39	Search for supersymmetry in final states with missing transverse momentum and three or more b-jets in 139 fb^{-1} of proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	20
40	Search for doubly charged Higgs boson production in multi-lepton final states using 139 fb^{-1} of proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	29
41	Search for dark matter produced in association with a single top quark and an energetic W boson in $\sqrt{s}=13\text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	5
42	Measurement of exclusive pion pair production in proton-proton collisions at $\sqrt{s}=\{7, \text{ext}\}\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	1
43	Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	12
44	Search in diphoton and dielectron final states for displaced production of Higgs or bosons with the ATLAS detector in Z	4.8	6
45	ATLAS flavour-tagging algorithms for the LHC Run 2 pp collision dataset. European Physical Journal C, 2023, 83, .	4.5	81
46	Search for Heavy Neutral Leptons in Decays of Bosons Using a Dilepton Displaced Vertex in W	8.3	28
47	Invariance in Higgs Boson Vector-Boson-Fusion Production Using the Measurements of Higgs boson production by gluon-gluon fusion and vector-boson fusion using C P	8.3	4
48	Studies of the muon momentum calibration and performance of the ATLAS detector with pp collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2023, 83, .	4.8	15
49	Measurements of the suppression and correlations of dijets in Xe+Xe collisions at $\sqrt{s}=13\text{ TeV}$. Physical Review C, 2023, 108, .	3.2	2
50	Strong Constraints on Jet Quenching in Centrality-Dependent p Pb	8.3	16
51	Measurement of the inclusive production cross section in the flavor-violating decay t	4.8	0
52	Measurement of the inclusive production cross section in the flavor-violating decay Z e τ	4.8	14
53	New techniques for jet calibration with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	8

#	ARTICLE	IF	PR CITATIONS
55	Comparison of inclusive and photon-tagged jet suppression in 5.02 TeV Pb+Pb collisions with ATLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 846, 138154. Search for flavor-changing neutral-current couplings between the top quark and the	4.3	15
56	Z boson with proton-proton collisions at	4.8	8
57	Measurements of W^+W^- production in decay topologies inspired by searches for electroweak supersymmetry. European Physical Journal C, 2023, 83, .	4.5	2
58	Search for pair-produced vector-like top and bottom partners in events with large missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	19
59	Searches for exclusive Higgs and Z boson decays into a vector quarkonium state and a photon using 139 $\sqrt{s}=13\sqrt{s}$ of ATLAS $\sqrt{s}=13\sqrt{s}$ TeV proton-proton collision data. European Physical Journal C, 2023, 83, .	4.5	11
60	Search for Majorana neutrinos in same-sign WW scattering events from pp collisions at $\sqrt{s}=13\sqrt{s}$ TeV. European Physical Journal C, 2023, 83, .	4.5	12
61	Measurement of cross sections for production of a Z boson in association with a flavor-inclusive or doubly	4.8	1
62	Measurement of the production of a W boson in association with a charmed hadron in	4.8	3
63	Calibration of the light-flavour jet mistagging efficiency of the b-tagging algorithms with Z+jets events using 139 \sqrt{s} of ATLAS proton-proton collision data at $\sqrt{s} = 13\sqrt{s}$ TeV. European Physical Journal C, 2023, 83, .	4.5	39
64	Search for displaced photons produced in exotic decays of the Higgs boson using 13 \sqrt{s} TeV collisions with the ATLAS detector. Physical Review D, 2023, 108, .	4.8	7
65	Measurements of differential cross sections of Higgs boson production through gluon fusion in the \sqrt{s} final state at $\sqrt{s} = 13\sqrt{s}$ TeV with the ATLAS detector. European Physical Journal C, 2023, 83, .	4.5	3
66	Search for nonresonant pair production of Higgs bosons in the	4.8	30
67	Anomaly detection search for new resonances decaying into a Higgs boson and a generic new particle	4.3	3
68	Production of a $Z\gamma$ pair in association with jets in pp collisions at	4.8	27
69	Search for Higgs boson production in association with jets in pp collisions at $\sqrt{s}=13\sqrt{s}$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 846, 138223.	4.3	3
70	Evidence of off-shell Higgs boson production from ZZ leptonic decay channels and constraints on its total width with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 846, 138223.	4.3	22
71	Production measurements for the vector boson fusion production of the Higgs boson in the	4.8	4
72	Observation of the	8.3	28

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73	Observation of an Excess of Dicharmonium Events in the Four-Muon Final State with the ATLAS Detector. <i>Physical Review Letters</i> , 2023, 131, .	8.3	72
74	Measurement of the Sensitivity of Two-Particle Correlations in $\langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle$ Collisions to the Presence of Hard Scatterings. <i>Physical Review Letters</i> , 2023, 131, link in	8.3	3
75	Collisions at $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$	8.3	20
76	Observation of Single-Top-Quark Production in Association with a Photon Using the ATLAS Detector. <i>Physical Review Letters</i> , 2023, 131, .	8.3	7
77	Search for exclusive Higgs and Z boson decays to $\tilde{\nu}_\mu \tilde{\nu}_\mu$ and Higgs boson decays to $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ with the ATLAS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2023, 847, 138292.	4.3	2
78	Measurement of the Higgs boson mass with $\text{H} \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0 \tilde{\chi}_1^0$ decays in 140 fb^{-1} of $\text{TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 847, 138316.}$	4.3	9
79	Measurement of the Higgs boson mass with $\text{H} \rightarrow \tau^+ \tau^- \tilde{\chi}_1^0 \tilde{\chi}_1^0$ decays in 140 fb^{-1} of $\text{TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 847, 138316.}$	4.3	8
80	Fast b-tagging at the high-level trigger of the ATLAS experiment in LHC Run ³ . <i>Journal of Instrumentation</i> , 2023, 18, P11006.	1.2	9
81	Search for pair production of third-generation leptoquarks decaying into a bottom quark and a τ -lepton with the ATLAS detector. <i>European Physical Journal C</i> , 2023, 83, .	4.5	12
82	Performance of the reconstruction of large impact parameter tracks in the inner detector of ATLAS. <i>European Physical Journal C</i> , 2023, 83, .	4.5	12
83	Search for a new pseudoscalar decaying into a pair of muons in events with a top-quark pair at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Physical Review D</i> , 2023, 108, .	4.8	5
84	Pursuit of paired dijet resonances in the Run 2 dataset with ATLAS. <i>Physical Review D</i> , 2023, 108, .	4.8	6
85	Search for Dark Photons in Rare $Z \rightarrow \text{mml:mi} \langle \text{mml:mi} \rangle$ Boson Decays with the ATLAS Detector. <i>Physical Review Letters</i> , 2023, 131, .	8.3	1
86	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with charged leptons and jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2023, 83, The Higgs Boson Mass from the	4.5	17
87	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with charged leptons and jets in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2023, 83, The Higgs Boson Mass from the	8.3	26
88	Luminosity determination in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector at the LHC. <i>European Physical Journal C</i> , 2023, 83, .	4.5	103
89	Emulating the impact of additional proton-proton interactions in the ATLAS simulation by presampling sets of inelastic Monte Carlo events. <i>Computing and Software for Big Science</i> , 2022, 6, .	3.6	12
90	Performance of the ATLAS Level-1 topological trigger in Run ² . <i>European Physical Journal C</i> , 2022, 82, .	4.5	16

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91	Measurement of the c-jet mistagging efficiency in $\sqrt{s}=13$ TeV events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	4.5	51
92	Operation and performance of the ATLAS semiconductor tracker in LHC Run 2. Journal of Instrumentation, 2022, 17, P01013.	1.2	4
93	Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, .	4.9	2
94	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 $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	4.5	17
95	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.9	15
96	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, .	3.6	68
97	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} \nu_{\tau}$ events in Run 2 data. European Physical Journal C, 2022, 82, .	4.5	8
98	The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s}=13$ TeV during LHC Run 2. European Physical Journal C, 2022, 82, .	4.5	27
99	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	4.5	14
100	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	4.5	6
101	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, .	4.5	34
102	Search for long-lived charginos based on a disappearing-track signature using 136 fb^{-1} of pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	4.5	38
103	Two-particle Bose-Einstein correlations in $\{pp\}$ collisions at $\sqrt{s} = 13$ TeV measured with the ATLAS detector at the LHC. European Physical Journal C, 2022, 82, .	4.5	8
104	A detailed map of Higgs boson interactions by the ATLAS experiment ten years after the discovery. Nature, 2022, 607, 52-59.	39.5	292
105	Constraints on Higgs boson properties using $WW^{*} \rightarrow e\mu u$ production in 36.1 fb^{-1} of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2022, 82, .	4.5	13
106	Direct constraint on the Higgs charm coupling from a search for Higgs boson decays into charm quarks with the ATLAS detector. European Physical Journal C, 2022, 82, .	4.5	28
107	Search for type-III seesaw heavy leptons in leptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	4.5	17
108	Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	11

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109	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb ⁻¹ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	70
110	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, .	4.5	20
111	Measurements of WH and ZH production in the $H \rightarrow \bar{b}b$ decay channel in pp collisions at $\sqrt{s} = 13, \sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, .	4.5	70
112	Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	31
113	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13, \sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, .	4.5	26
114	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. Journal of High Energy Physics, 2021, 2021, .	4.9	40
115	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. Journal of High Energy Physics, 2021, 2021, .	4.9	10
116	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. Journal of High Energy Physics, 2021, 2021, .	4.9	29
117	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	31
118	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, .	4.5	24
119	Measurement of the CP-violating phase ϕ_{13} in $B_{s1} \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .	4.5	26
120	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, .	4.5	27
121	Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states using 139 fb ⁻¹ of proton-proton collisions at $\sqrt{s} = 13, \sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, .	4.5	63
122	Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	30
123	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $e^+e^- \rightarrow e^+e^- WW$ and $e^+e^- \rightarrow e^+e^- WWZ$ final states in pp collisions at $\sqrt{s} = 13, \sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, .	4.5	38
124	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 $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, .	4.9	39
125	Measurements of $W+W+1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	15
126	Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	81

#	ARTICLE	IF	PR CITATIONS
127	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, .	4.5	29
128	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a τ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	36
129	Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 819-825.	15.3	18
130	Test of the universality of τ , and $\tau/4$ lepton couplings in W-boson decays with the ATLAS detector. Nature Physics, 2021, 17, 813-818.	15.3	30
131	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. Journal of High Energy Physics, 2021, 2021, .	4.9	25
132	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W^{\pm} and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, .	4.9	16
133	Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	18
134	A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	8
135	Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, .	4.5	172
136	Performance of the ATLAS RPC detector and Level-1 muon barrel trigger at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2021, 16, P07029.	1.2	10
137	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. European Physical Journal C, 2021, 81, .	4.5	21
138	The ATLAS Fast Tracker system. Journal of Instrumentation, 2021, 16, P07006.	1.2	8
139	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. European Physical Journal C, 2021, 81, .	4.5	7
140	Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, .	4.5	154
141	Measurements of sensor radiation damage in the ATLAS inner detector using leakage currents. Journal of Instrumentation, 2021, 16, P08025.	1.2	9
142	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, .	4.5	21
143	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, .	4.5	14
144	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	26

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145	Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, .	4.5	6
146	Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, .	4.9	23
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