

# Bruno Galhardo

## List of Publications by Year in descending order

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Version: 2024-02-01

298  
papers

17,391  
citations

11651

70  
h-index

22832

112  
g-index

302  
all docs

302  
docs citations

302  
times ranked

9184  
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.	3.9	3
2	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 $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	34
3	Measurements of top-quark pair spin correlations in the $semu$ channel at $\sqrt{s} = 13 \text{ TeV}$ using $pp$ collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	22
4	Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.	1.2	37
5	Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.	3.9	61
6	Measurement of $W^{\pm}$ -boson and Z-boson production cross-sections in $pp$ collisions at $\sqrt{s} = 2.76 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.	3.9	8
7	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in $36 \text{ fb}^{-1}$ of $pp$ collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	116
8	Measurement of the W-boson mass in $pp$ collisions at $\sqrt{s} = 7, \text{hbox} \{ \text{TeV} \}$ $s = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
9	Search for new phenomena in high-mass final states with a photon and a jet from $pp$ collisions at $\sqrt{s} s$ . European Physical Journal C, 2018, 78, 102.	3.9	13
10	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13, \text{mathrm} \{ \text{TeV} \}$ $s = 13 \text{ TeV}$ $pp$ collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	3.9	52
11	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ s NN} = 2.76$ and $5.0$ . European Physical Journal C, 2018, 78, 142.	3.9	59
12	Measurement of quarkonium production in proton–lead and proton–proton collisions at $5.02\text{--} \text{mathrm} \{ \text{TeV} \}$ $5.02 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
13	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = \{ 13 \} \{ \text{TeV} \}$ $s = 13 \text{ TeV}$ with ATLAS. European Physical Journal C, 2018, 78, 186.	3.9	20
14	Search for heavy ZZ resonances in the $sell^+ ell^- ell^+ ell^- \hat{a}, \hat{a}, - \hat{a}, \hat{a}, -$ and $sell^+ ell^- u \text{ar} \{ u \} \hat{a}, \hat{a}, - \hat{1} \hat{2} \hat{1} \hat{2} \hat{A}$ final states using proton–proton collisions at $\sqrt{s} = 13 \text{ s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 293.	3.9	101
15	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13 \text{ s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
16	Search for heavy resonances decaying into WW in the $seu \mu u \text{ s} e \hat{1} \hat{2} \hat{1} \hat{2}$ final state in $pp$ collisions at $\sqrt{s} = 13 \text{ s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108
17	Direct top-quark decay width measurement in the $\text{mathbf} \{ \text{varvec} \{ \text{tar} \{ t \} \} \}$ $t \hat{A}$ lepton+jets channel at $\sqrt{s} = 8 \text{ ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.	3.9	17
18	Search for W/W Z resonance production in $\hat{a}, \hat{1} \hat{2} qq$ final states in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31

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19	Prompt and non-prompt $J/\psi$ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784.	3.9	19
20	Search for Higgs boson pair production in the $\gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007.	3.9	53
21	Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847.	3.9	16
22	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb <sup>-1</sup> of pp collisions at. European Physical Journal C, 2018, 78, 401.	3.9	50
23	Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997.	3.9	51
24	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 903.	3.9	181
25	Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995.	3.9	125
26	Operation and performance of the ATLAS Tile Calorimeter in Run1. European Physical Journal C, 2018, 78, 987.	3.9	25
27	Prompt and non-prompt $J/\psi$ and $\psi(2S)$ suppression at high transverse momentum in $5.02$ TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762.	3.9	61
28	Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
29	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 565.	3.9	79
30	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.	3.9	27
31	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.	4.7	136
32	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.	3.9	60
33	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.	3.9	132
34	Measurement of $\sigma_{\text{pol}}$ , polarisation in $Z/\gamma \rightarrow \mu\mu$ . European Physical Journal C, 2018, 78, 163.	3.9	7
35	Measurement of the $\sigma_{\text{Z}}$ and $\sigma_{\text{W}}$ production cross sections in multilepton final states using 3.2 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40.	3.9	41
36	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector. European Physical Journal C, 2017, 77, 26.	3.9	29

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37	Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
38	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.	3.9	11
39	Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.	3.9	37
40	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.	3.9	87
41	Measurements of top-quark pair differential cross-sections in the $e^+e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	3.9	27
42	Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.	3.9	61
43	Measurement of the prompt $J/\psi$ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 76.	3.9	81
44	Search for triboson $W^+W^-W^0$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	3.9	25
45	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
46	Fiducial, total and differential cross-section measurements of t-channel single top-quark production in pp collisions at 8 TeV using data collected by the ATLAS detector. European Physical Journal C, 2017, 77, 531.	3.9	56
47	Measurements of electroweak $Wjj$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	3.9	26
48	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
49	Measurement of multi-particle azimuthal correlations in pp, p+Pb and low-multiplicity Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 428.	3.9	86
50	Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
51	Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.	3.9	28
52	Measurement of the $\overline{t}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
53	Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
54	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.	3.9	75

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55	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=13$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.	3.9	12
56	Measurement of the ZZ production cross section in proton-proton collisions at $s=8$ TeV using the ZZ $\rightarrow \tau\tau, \tau\nu, \tau\nu, \tau\nu, \tau\nu$ and ZZ $\rightarrow \tau\tau, \tau\nu, \tau\nu, \tau\nu, \tau\nu$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
57	Probing the W tb vertex structure in t-channel single-top-quark production and decay in $pp$ collisions at $s=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
58	Measurements of $\Upsilon(2S)$ and $X(3872) \rightarrow J/\psi + \Upsilon$ production in $pp$ collisions at $s=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
59	Measurements of top-quark pair to Z-boson cross-section ratios at $s=13, 8, 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	3.9	79
60	Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.	3.9	489
61	Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.	3.9	71
62	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. European Physical Journal C, 2017, 77, 332.	3.9	47
63	Measurements of the production cross section of a Z boson in association with jets in $pp$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 361.	3.9	145
64	Precision measurement and interpretation of inclusive $W^+W^+, W^-W^-$ . European Physical Journal C, 2017, 77, 367.	3.9	51
65	Measurement of jet fragmentation in Pb+Pb and $pp$ collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. European Physical Journal C, 2017, 77, 379.	3.9	80
66	Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393.	4.7	14
67	Measurement of charged-particle distributions sensitive to the underlying event in $s=13$ TeV proton-proton collisions with the ATLAS detector at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	3.9	50
68	Search for direct top squark pair production in final states with two leptons in $\sqrt{s}=13$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.	4.7	8
69	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $s=13$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	3.9	19
70	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $pp$ collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765.	4.7	8
71	Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
72	Search for supersymmetry in events with b-tagged jets and missing transverse momentum in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.		

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73	Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
74	Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
75	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.	3.9	35
76	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 $\sqrt{s}=8$ TeV with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563.	3.9	28
77	Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $\sqrt{s}=13$ TeV proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	12
78	Searches for the $Z\tilde{\chi}^0_3$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	30
79	Studies of $Z\tilde{\chi}^0_3$ production in association with a high-mass dijet system in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
80	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
81	Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow \tilde{\chi}^0_3\tilde{\chi}^0_3$ , in $\sqrt{s}=13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	18
82	Study of $WW\gamma$ and $WZ\gamma$ production. European Physical Journal C, 2017, 77, 646.	3.9	30
83	Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
84	Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
85	Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
86	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.	4.7	28
87	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
88	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb <sup>-1</sup> of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
89	Search for pair production of heavy vector-like quarks decaying to high-p T W bosons and b quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
90	Measurement of the $k_t$ splitting scales in $Z\tau^+\tau^-$ events in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3

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91	Analysis of the $Wtb$ vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
92	Evidence for the $H \rightarrow b \bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
93	Search for new high-mass phenomena in the dilepton final state using $36 \text{ fb}^{-1}$ of proton-proton collision data at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	168
94	Determination of the strong coupling constant $\alpha_s$ from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2017, 77, 872.	3.9	32
95	Study of hard double-parton scattering in four-jet events in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	30
96	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $s = 8 \sqrt{s} = 8 \text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
97	Measurement of event-shape observables in $Z \rightarrow e^+ e^- Z \rightarrow \mu^+ \mu^-$ events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	3.9	15
98	Charged-particle distributions in pp interactions at $\sqrt{s} = 8 \text{ TeV}$ measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	3.9	30
99	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13 \text{ TeV}$ pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	3.9	61
100	Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 547.	3.9	37
101	Search for minimal supersymmetric standard model Higgs Bosons $H/A$ and for a $Z^{\prime}$ boson in the $\tau^+ \tau^-$ final state produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 585.	3.9	51
102	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. European Physical Journal C, 2016, 76, 666.	3.9	73
103	Measurement of the $b \bar{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	3.9	12
104	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	3.9	21
105	Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	3.9	23
106	Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.	3.9	24
107	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2016, 76, 292.	3.9	453
108	Test of CP invariance in vector-boson fusion production of the Higgs boson using the Optimal Observable method in the ditau decay channel with the ATLAS detector. European Physical Journal C, 2016, 76, 658.	3.9	48

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109	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.	3.9	31
110	Measurement of the inclusive isolated prompt photon cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	44
111	Search for a high-mass Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	71
112	Search for flavour-changing neutral current top-quark decays to $\bar{q}Z$ in $pp$ collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 12.	3.9	39
113	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in pp collision data at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 87.	3.9	39
114	Search for direct top squark pair production in final states with two tau leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.	3.9	10
115	Search for charged Higgs bosons in the $H^{\pm} \rightarrow tb$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	43
116	Study of the rare decays of $B^0 \rightarrow B^0 \mu \mu$ and $B^0 \rightarrow B^0 \mu \mu$ into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. European Physical Journal C, 2016, 76, 513.	3.9	46
117	Search for supersymmetry in a final state containing two photons and missing transverse momentum in $\sqrt{s} = 13$ TeV $pp$ collisions. European Physical Journal C, 2016, 76, 517.	3.9	24
118	Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	70
119	Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.	3.9	43
120	Measurement of the relative width difference of the $B^0 \rightarrow B^0 \mu \mu$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
121	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
122	Performance of pile-up mitigation techniques for jets in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 581.	3.9	298
123	Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.	3.9	51
124	Measurement of jet activity in top quark events using the $e^+e^-$ final state with two b-tagged jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
125	Measurement of the transverse momentum and $\phi_{\tau}^*$ distributions of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 291.	3.9	154
126	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e^+e^-$ with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15



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127	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
128	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $s = 8 \sqrt{s} = 8 \text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
129	Identification of high transverse momentum top quarks in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
130	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.	2.9	2
131	Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. Journal of Instrumentation, 2016, 11, P05013-P05013.	1.2	11
132	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	3.9	115
133	Measurement of the differential cross-sections of prompt and non-prompt production of $J/\psi$ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
134	Luminosity determination in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 653.	3.9	279
135	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683.	3.9	11
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152	A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.	3.9	9
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#	ARTICLE	IF	CITATIONS
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272	Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.	4.7	52
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290	Measurement of the $\tau$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.	3.9	45
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296	Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1.	3.9	13
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