

Davide Gerbaudo

List of Publications by Year in descending order

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442
papers

23,325
citations

8181

76
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119
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453
all docs

453
docs citations

453
times ranked

9788
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of the ATLAS Level-1 topological trigger in RunÂ2. European Physical Journal C, 2022, 82, 1.	3.9	6
2	Measurements of top-quark pair spin correlations in the e^+e^- channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.	3.9	22
3	Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb ⁻¹ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	116
4	Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110.	3.9	218
5	Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.	3.9	52
6	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142.	3.9	59
7	Measurement of quarkonium production in proton-lead and proton-proton collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 171.	3.9	75
8	Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.	3.9	20
9	A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.	3.9	66
10	Search for heavy resonances decaying into WW in the $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.	3.9	108
11	Search for W/WZ resonance production in $e^+e^- \rightarrow e^+e^- \gamma \gamma$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
12	Search for Higgs boson pair production in the $\gamma \gamma \rightarrow W W$ 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
13	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
14	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb ⁻¹ of pp collisions at. European Physical Journal C, 2018, 78, 401.	3.9	50
15	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
16	Operation and performance of the ATLAS Tile Calorimeter in RunÂ1. European Physical Journal C, 2018, 78, 987.	3.9	25
17	Measurement of the inclusive and fiducial $t \bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.	3.9	10
18	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

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19	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
20	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
21	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
22	Measurement of $\sigma(\text{pp} \rightarrow \text{Z} \gamma \text{jj})$, polarisation in $\text{Z} \rightarrow \text{e}^+ \text{e}^-$. European Physical Journal C, 2018, 78, 163.	3.9	7
23	Measurement of the $\text{pp} \rightarrow \text{Z} \tau^+ \tau^-$ and $\text{pp} \rightarrow \text{W} \tau^+ \tau^-$ 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.	3.9	41
24	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
25	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
26	Measurement of the W boson polarisation in $\text{pp} \rightarrow \text{W} \tau^+ \tau^-$ 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
27	Measurements of top-quark pair differential cross-sections in the $\text{pp} \rightarrow \text{e}^+ \text{e}^- \tau^+ \tau^-$ channel in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.	3.9	27
28	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
29	Measurement of the prompt $\text{pp} \rightarrow \text{Z} \tau^+ \tau^-$ 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
30	Search for triboson $\text{pp} \rightarrow \text{W}^+ \text{W}^- \text{W}^0$ production in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.	3.9	25
31	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.	3.9	325
32	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
33	Measurements of electroweak $\text{pp} \rightarrow \text{W}^+ \text{W}^- \text{jj}$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.	3.9	26
34	Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.	3.9	145
35	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
36	Measurement of lepton differential distributions and the top quark mass in $\text{pp} \rightarrow \text{Z} \tau^+ \tau^-$. European Physical Journal C, 2017, 77, 804.	3.9	28

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55	Study of $WW\gamma WW\hat{1}^3$ and $WZ\gamma WWZ$. European Physical Journal C, 2017, 77, 646.	3.9	30
56	Measurements of top quark spin observables in $t\bar{t}\hat{1}$ events using dilepton final states in $s = 8\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	20
57	Top-quark mass measurement in the all-hadronic $t\bar{t}\hat{1}$ decay channel at $s = 8\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	16
58	Measurement of the Drell-Yan triple-differential cross section in pp collisions at $s = 8\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	28
59	Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $s = 13\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	45
60	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 $s = 13\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	36
61	Measurement of the k t splitting scales in $Z\hat{1}\hat{1}, \hat{1}, \hat{1}$ events in pp collisions at $s = 8\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
62	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	8
63	Evidence for the $H\hat{1}^* b\bar{b}\hat{1}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.	4.7	64
64	Determination of the strong coupling constant $\alpha_{\text{s}}(\hat{1})$ from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8\text{--}13$ TeV. European Physical Journal C, 2017, 77, 872.	3.9	32
65	Study of hard double-parton scattering in four-jet events in pp collisions at $s = 7\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	30
66	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $s = 8\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	10
67	Measurement of event-shape observables in $Z\hat{1}\hat{1}, \hat{1}, \hat{1}$ events in pp collisions at $\sqrt{s}=7\hat{1} s = 7\hat{1}$ TeV with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 375.	3.9	15
68	Charged-particle distributions in pp interactions at $\sqrt{s}=8\text{ TeV}$ $s = 8$ TeV measured with the ATLAS detector. European Physical Journal C, 2016, 76, 403.	3.9	30
69	Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13\hat{1} s = 13\hat{1}$ TeV pp interactions measured with the ATLAS detector at the LHC. European Physical Journal C, 2016, 76, 502.	3.9	61
70	Measurement of the $b\bar{b}\hat{1}$ dijet cross section in pp collisions at $\sqrt{s} = 7\hat{1} s = 7\hat{1}$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.	3.9	12
71	The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.	3.9	21
72	Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s}=13\hat{1} s = 13\hat{1}$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 541.	3.9	23

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73	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
74	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
75	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
76	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
77	Search for flavour-changing neutral current top-quark decays to $\nu q Z$ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 12.	3.9	39
78	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
79	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
80	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
81	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
82	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
83	Measurement of the relative width difference of the $B^0 \rightarrow B^0$ system with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
84	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295.	3.9	50
85	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
86	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
87	Measurement of jet activity in top quark events using the $e\bar{\nu}_e$ 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
88	Measurement of the transverse momentum and ϕ_{η} 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
89	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e\bar{\nu}_e \mu^+ \mu^-$ with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
90	A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14

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91	Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
92	A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.	2.9	2
93	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
94	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 538.	3.9	115
95	Measurement of the differential cross-sections of prompt and non-prompt production of J/ψ and $\psi(2S)$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 283.	3.9	63
96	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683.	3.9	11
97	Addendum to "Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector". European Physical Journal C, 2016, 76, 1.	3.9	19
98	Searches for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	25
99	Measurement of the CP-violating phase $\arg(\lambda)$ and the B_s^0 meson decay width difference with $B_s^0 \rightarrow \mu^+\mu^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
100	Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 392.	3.9	73
101	Measurement of the double-differential high-mass Drell-Yan cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	38
102	A search for prompt lepton-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
103	Search for new phenomena with photon+jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
104	Measurement of the centrality dependence of the charged-particle pseudorapidity distribution in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 199.	3.9	60
105	Measurement of the production cross-section of a single top quark in association with a W boson at 8 TeV with the ATLAS experiment. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
106	Search for the production of single vector-like and excited quarks in the Wt final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
107	Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
108	Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 154.	3.9	62

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127	A search for $t\bar{t}$ resonances using lepton-plus-jets events in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	66
128	Measurement of the forward-backward asymmetry of electron and muon pair-production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	28
129	Measurement of charged-particle spectra in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	67
130	Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
131	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	108
132	Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.	4.7	78
133	Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s}=7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	40
134	Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	84
135	Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	71
136	Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
137	Summary of the searches for squarks and gluinos using $\sqrt{s}=8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
138	Determination of the top-quark pole mass using $t\bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
139	Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
140	Search for flavour-changing neutral current top quark decays $t\bar{t}'Hq$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.	4.7	19
141	Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	36
142	Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	42
143	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	116
144	Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17

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145	Search for $W' \rightarrow tb \rightarrow qqbb$ $W \rightarrow t \bar{t} b \rightarrow q \bar{q} b \bar{b}$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 165.	3.9	35
146	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 158.	3.9	17
147	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 208.	3.9	67
148	Study of $(W/Z)H$ production and Higgs boson couplings using $H \rightarrow WW$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
149	Search for metastable heavy charged particles with large ionisation energy loss in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS experiment. European Physical Journal C, 2015, 75, 407.	3.9	27
150	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 23.	3.9	41
151	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	3.9	268
152	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 79.	3.9	30
153	Search for resonant diboson production in the $q\bar{q} \rightarrow q\bar{q} \gamma \gamma$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	3.9	74
154	Measurements of the W production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	3.9	92
155	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	3.9	77
156	Measurement of the $t \bar{t} \rightarrow t \bar{t} \gamma$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
157	Measurement of the $WW + WZ$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
158	Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	33
159	Search for the $b \bar{b} \rightarrow b \bar{b} \gamma$ decay of the Standard Model Higgs boson in associated $(W/Z)H$ production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	89
160	Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using 4.5 fb ⁻¹ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	35
161	Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	60
162	Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \bar{\nu}_\tau$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.	4.7	69

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163	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	3.9	79
164	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 120.	3.9	62
165	Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.	3.9	90
166	Determination of spin and parity of the Higgs boson in the $WW \rightarrow e\mu u$ decay channel with the ATLAS detector. European Physical Journal C, 2015, 75, 231.	3.9	21
167	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	3.9	238
168	Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u\bar{u} + b\bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.	3.9	60
169	Measurement of three-jet production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.	3.9	23
170	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	3.9	95
171	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 303.	3.9	70
172	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. European Physical Journal C, 2015, 75, 476.	3.9	174
173	Observation and measurements of the production of prompt and non-prompt J/ψ mesons in association with a Z boson in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 229.	3.9	64
174	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b\bar{b}$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.	3.9	123
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341	Measurements of single top quark production cross sections and $ V_{tb} $ in $pp \rightarrow t\bar{b}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 84, .	4.7	31
342	Measurement of the W boson helicity in top quark decays using 5.4 fb $^{-1}$ of $pp \rightarrow t\bar{b}$ collision data. Physical Review D, 2011, 83, .	4.7	35

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361	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
362	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
363	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
364	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ \$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
365	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ \$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
366	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
367	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
368	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
369	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
370	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
371	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	53
372	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
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374	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
375	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ \$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
376	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ \$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	56
377	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
378	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99

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379	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
380	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
381	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	97
382	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36
383	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	158
384	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
385	Measurement of the $WZ\gamma^* \rightarrow \gamma^* \rightarrow e^+e^-$ cross section and limits on anomalous triple gauge couplings in pp collisions at $\sqrt{s} = 1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	4.1	23
386	Search for a heavy neutral gauge boson in the dielectron channel with 5.4 fb^{-1} of $\sqrt{s} = 1.96$ TeV collisions at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.1	60
387	Search for pair production of the scalar top quark in the electron+muon final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 321-327.	4.1	18
388	Search for WH associated production in 5.3 fb^{-1} of $\sqrt{s} = 1.96$ TeV collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 145-150.	4.1	16
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390	Search for flavor changing neutral currents in decays of top quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	4.1	44
391	Search for flavor changing neutral currents in decays of top quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	4.1	35
392	Bounds on an Anomalous Dijet Resonance in W +jets Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 107, 011804.	7.8	55
393	Search for the Standard Model Higgs Boson in the $W\gamma^* \rightarrow e^+e^-$ Channel. Journal of High Energy Physics, 2011, 2011, 1.	7.8	27
394	Search for a Fourth Generation Charm Quark in W +jets Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 107, 011804.	7.8	27
395	Measurement of the ratio of inclusive cross sections $\sigma(pp \rightarrow \gamma^* Z + b\bar{b} \text{ quark jet}) / \sigma(pp \rightarrow \gamma^* Z + \text{jet})$ at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 83, .	4.7	14
396	Measurement of the top quark pair production cross section in the $W\gamma^* \rightarrow e^+e^-$ channel in proton-antiproton collisions at $\sqrt{s} = 1.96$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	48

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397	<p>al decorrelations and multiple parton interactions in $\hat{p}\hat{p}$ collisions</p> <p>$\hat{p}\hat{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 83, . 4.7</p>	4.7	22
398	<p>Measurement of color flow in $\hat{p}\hat{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 83, . 4.7</p>	4.7	15
399	<p>Search for associated Higgs boson production using like charge dilepton events in $\hat{p}\hat{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .</p> <p>Measurement of the production fraction times branching fraction $f_{b\bar{b}}$ in $\hat{p}\hat{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .</p>	4.7	13
400	<p>Measurement of the production fraction times branching fraction $f_{b\bar{b}}$ in $\hat{p}\hat{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 84, .</p>		

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416	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
417	Search for single top quarks in the tau + jets channel using 4.8 fb ⁻¹ of collision data. Measurement of direct photon pair production cross sections in pp collisions. Journal of High Energy Physics, 2010, 690, 5-14.	4.1	11
418	Search for single top quarks in the tau + jets channel using 4.8 fb ⁻¹ of collisions at the LHC. Journal of High Energy Physics, 2010, 690, 5-14.	4.1	48
419	Search for flavor-changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb ⁻¹ of collision data. Journal of High Energy Physics, 2010, 693, 81-87.	4.1	48
420	Search for scalar bottom quarks and third-generation leptons in pp collisions. Journal of High Energy Physics, 2010, 693, 81-87.	4.1	39
421	Measurement of the normalized cross section for the production of Z bosons in pp collisions. Journal of High Energy Physics, 2010, 693, 81-87.	4.1	33
422	Measurement of the normalized cross section for the production of Z bosons in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 539-544.	4.1	46
423	Measurement of the normalized cross section for the production of Z bosons in pp collisions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 490-517.	4.1	26
424	Search for the rare decay $B \rightarrow s \gamma$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 539-544.	4.1	67
425	b-Jet identification in the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 490-517.	1.6	92
426	Search for a Resonance Decaying into WZ Boson Pairs in pp Collisions. Physical Review Letters, 2010, 104, 061801.	7.8	16
427	Search for Diphoton Events with Large Missing Transverse Energy in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 221802.	7.8	24
428	Search for New Fermions ($\tilde{\chi}$) at the Fermilab Tevatron Collider. Physical Review Letters, 2010, 105, 211803.	7.8	12
429	Search for New Fermions ($\tilde{\chi}$) in pp Collisions. Physical Review Letters, 2010, 105, 211803.	4.7	144
430	Search for Events with Leptonic Jets and Missing Transverse Energy in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 211802.	7.8	20
431	Search for the Associated Production of a b Quark and a Neutral Supersymmetric Higgs Boson that Decays into $\tilde{\chi}\tilde{\chi}$. Physical Review Letters, 2010, 104, 151801.	7.8	11
432	Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry. Physical Review Letters, 2010, 105, 081801.	7.8	108

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433	Evidence for an anomalous like-sign dimuon charge asymmetry. Physical Review D, 2010, 82, .	4.7	127
434	Search for the Standard Model Higgs Boson in the $ZH \rightarrow \frac{1}{2}l\frac{1}{2}l\bar{b}\bar{b}$ Channel in 5.2 fb^{-1} of $pp\bar{p}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review Letters, 2010, 104, 071801.	7.8	15
435	Search for Higgs Boson Production in Dilepton and Missing Energy Final States with 5.4 fb^{-1} of $pp\bar{p}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review Letters, 2010, 104, 061804.	7.8	34
436	Search for Sneutrino Production in $e\bar{e} \rightarrow \frac{1}{4}l\bar{l} + \nu\bar{\nu}$ Final States in 5.3 fb^{-1} of $pp\bar{p}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review Letters, 2010, 105, 191802.	7.8	19
437	Search for $ZH \rightarrow l\bar{l} + \bar{b}\bar{b}$ Production in 4.2 fb^{-1} of $pp\bar{p}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review Letters, 2010, 105, 251801.	7.8	17
438	Search for Randall-Sundrum Gravitons in the Dielectron and Diphoton Final States with 5.4 fb^{-1} of $pp\bar{p}$ Collisions at $\sqrt{s}=1.96 \text{ TeV}$. Data from $e^+e^- \rightarrow p\bar{p} + \gamma^* \rightarrow \mu^+\mu^-$. Physical Review Letters, 2010, 105, 251801.	7.8	35
439	Measurement of $t\bar{t}$ production in the $l\bar{l} + \text{jet}$ topology using $pp\bar{p}$ collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review D, 2010, 82, .	4.7	13
440	Measurement of $t\bar{t}$ cross section using high-multiplicity jet events. Physical Review D, 2010, 82, .	4.7	12
441	The CMS barrel calorimeter response to particle beams from $\sqrt{s}=2.76$ to $\sqrt{s}=350 \text{ GeV}/c$. European Physical Journal C, 2009, 60, 359-373.	3.9	29
442	Determination of the strong coupling constant from the inclusive jet cross section in $pp\bar{p}$ collisions at $\sqrt{s}=1.96 \text{ TeV}$. Physical Review D, 2009, 80, .	4.7	48