James Frost

List of Publications by Year in Descending Order

Source: https://exaly.com/author-pdf/8886568/james-frost-publications-by-year.pdf
Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

368 papers	10,632 citations	50 h-index	84 g-index
397 ext. papers	12,931 ext. citations	4.7 avg, IF	0.78 L-index

#	Paper	IF	Citations
368	Performance of the ATLAS Level-1 topological trigger in Run 2. *European Physical Journal C*, **2022**, 82, 1	4.2	0
367	Search for exotic decays of the Higgs boson into b$$ overline{b} $$ and missing transverse momentum in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2022**, 2022, 1	5.4	0
366	Observation of electroweak production of two jets in association with an isolated photon and missing transverse momentum, and search for a Higgs boson decaying into invisible particles at 13 $$text {TeV}$$ with the ATLAS detector. *European Physical Journal C*, **2022**, 82, 1	4.2	0
365	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, 1	5.4	0
364	AtlFast3: The Next Generation of Fast Simulation in ATLAS. *Computing and Software for Big Science*, **2022**, 6, 1	6	0
363	Measurement of the energy response of the ATLAS calorimeter to charged pions from $$W^{pm }rightarrow tau ^{pm }(rightarrow pi ^{pm }nu _{tau })nu _{tau }$$ events in Run 2 data. *European Physical Journal C*, **2022**, 82, 1	4.2	0
362	The ATLAS inner detector trigger performance in pp collisions at 13 TeV during LHC Run 2. *European Physical Journal C*, **2022**, 82, 1	4.2	
361	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, 1	4.2	1
360	Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using (sqrt{s} = 13hbox { TeV}) proton proton collision data. *European Physical Journal C*, **2021**, 81, 1	4.2	2
359	Measurement of the t(overline{t})t(overline{t}) production cross section in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
358	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, 1	5.4	2
357	Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at (sqrt{s} = 13,{text {TeV}}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	7
356	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, 1	5.4	5
355	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, 1	5.4	1
354	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, 1	5.4	6
353	Search for new phenomena in events with two opposite-charge leptons, jets and missing transverse momentum in pp collisions at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	8
352	Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	5

351	Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton–proton collisions. *European Physical Journal C*, **2021**, 81, 1	4.2	2
350	Search for heavy resonances decaying into a pair of Z bosons in the (ell ^+ell ^-ell '^+ell '^-) and (ell ^+ell ^-nu {{bar{nu }}}) final states using 139 (mathrm {fb}^{-1}) of proton–proton collisions at (sqrt{s} = 13,)TeV with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	8
349	Search for new phenomena in final states with b-jets and missing transverse momentum in (sqrt{mathrm{s}}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	6
348	Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the (ell ell bb) and (ell ell WW) final states in pp collisions at (sqrt{s}=13) (text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	7
347	Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	3
346	Measurements of W+W+ jet production cross-sections in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
345	Search for charged Higgs bosons decaying into a top quark and a bottom quark at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	8
344	Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at (sqrt{s}=13,text {TeV}). *European Physical Journal C*, **2021**, 81, 1	4.2	0
343	Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a lepton in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	6
342	Search for supersymmetry in events with four or more charged leptons in 139 fb of (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	2
341	Determination of the parton distribution functions of the proton from ATLAS measurements of differential W and Z boson production in association with jets. *Journal of High Energy Physics*, **2021** , 2021, 1	5.4	1
340	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, 1	5.4	0
339	A search for the decays of stopped long-lived particles at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	1
338	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, 1	4.2	13
337	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, 1	5.4	3
336	Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb of (sqrt{s}) = 13 TeV pp collision data with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	8
335	Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton–proton collisions at ATLAS. *European Physical Journal C*, **2021**, 81, 1	4.2	5
334	Measurements of WH and ZH production in the (H rightarrow bbar{b}) decay channel in pp collisions at (13,text {Te}text {V}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	7

333	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, 1	5.4	5
332	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, 1	4.2	0
331	Measurement of single top-quark production in association with a W boson in the single-lepton channel at (sqrt{s} = 8,text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	1
330	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, 1	4.2	11
329	Measurements of the inclusive and differential production cross sections of a top-quark–antiquark pair in association with a Z boson at (sqrt{s} = 13) TeV with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	1
328	Search for dark matter produced in association with a single top quark in (sqrt{s}=13) TeV (pp) collisions with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	4
327	Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at (sqrt{mathrm{s}}) = 13 TeV using the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	2
326	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, 1	4.2	1
325	Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
324	Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
323	Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $$ sqrt{s} $$ = 13 TeV using displaced vertices in the ATLAS inner detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
322	Search for chargino–neutralino pair production in final states with three leptons and missing transverse momentum in $$sqrt{s} = 13$$ TeV pp collisions with the ATLAS detector. *European Physical Journal C*, **2021**, 81, 1	4.2	1
321	Configuration and performance of the ATLAS b-jet triggers in Run 2. *European Physical Journal C*, **2021**, 81, 1	4.2	1
320	Measurement of b-quark fragmentation properties in jets using the decay B+ -> J/K+ in pp collisions at $$ sqrt{s} $$ = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2021**, 2021, 1	5.4	0
319	Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using (sqrt{s}) = 13 TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	7
318	Higgs boson production cross-section measurements and their EFT interpretation in the (4ell) decay channel at (sqrt{s}=)13 TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	12
317	Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8
316	Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb−1 of data collected with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8

315	Search for dijet resonances in events with an isolated charged lepton using (sqrt{s}) = 13 TeV proton-proton collision data collected by the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	3
314	Measurement of the Z(→ℓℓ)γ production cross-section in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	2
313	Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at (sqrt{s}=8) and 13 TeV. *European Physical Journal C*, **2020**, 80, 1	4.2	3
312	Transverse momentum and process dependent azimuthal anisotropies in (sqrt{s_{mathrm {NN}}}=8.16) TeV p+Pb collisions with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	7
311	Performance of electron and photon triggers in ATLAS during LHC Run 2. *European Physical Journal C*, **2020**, 80, 1	4.2	30
310	Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in (sqrt{s}=13) (text {TeV}) pp collisions using the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	50
309	Search for top squarks in events with a Higgs or Z boson using 139 fb(^{-1}) of pp collision data at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	1
308	Evidence for (tbar{t}tbar{t}) production in the multilepton final state in proton–proton collisions at (sqrt{s}=13) (text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	8
307	Search for heavy diboson resonances in semileptonic final states in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	4
306	Search for light long-lived neutral particles produced in pp collisions at (sqrt{s} = 13~mathrm {TeV}) and decaying into collimated leptons or light hadrons with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	8
305	Search for a scalar partner of the top quark in the all-hadronic (t{bar{t}}) plus missing transverse momentum final state at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	17
304	Alignment of the ATLAS Inner Detector in Run 2. *European Physical Journal C*, **2020**, 80, 1	4.2	4
303	Determination of jet calibration and energy resolution in proton–proton collisions at (sqrt{s} = 8~hbox {TeV}) using the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	3
302	Measurement of J/ψ production in association with a W± boson with pp data at 8 TeV. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	4
301	Search for new resonances in mass distributions of jet pairs using 139 fb−1 of pp collisions at (sqrt{mathrm{s}}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	20
300	Search for (toverline{t}) resonances in fully hadronic final states in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	6
299	Reconstruction and identification of boosted di-τ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	3
298	Measurements of inclusive and differential cross-sections of combined (toverline{t}gamma) and tWγ production in the eμ channel at 13 TeV with the ATLAS detector. *Journal of High Energy Physics* , **2020**, 2020, 1	5.4	2

297	Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	8
296	Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	9
295	Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4(ell) decay channel at (sqrt{s}) = 13 TeV. *European Physical Journal C*, **2020**, 80, 1	4.2	9
294	Fluctuations of anisotropic flow in Pb+Pb collisions at (sqrt{{mathrm{s}}_{mathrm{NN}}}) = 5.02 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	13
293	Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in (pp) collisions at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	13
292	Measurement of differential cross sections for single diffractive dissociation in (sqrt{s}) = 8 TeV pp collisions using the ATLAS ALFA spectrometer. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	1
291	Measurement of isolated-photon plus two-jet production in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	2
290	Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	5
289	Search for the HH -> (boverline{b}boverline{b}) process via vector-boson fusion production using proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	5
288	Observation of the associated production of a top quark and a Z boson in pp collisions at (sqrt{s})= 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	5
287	Measurement of the transverse momentum distribution of Drell–Yan lepton pairs in proton–proton collisions at (sqrt{s}=13,)TeV with the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	7
286	Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2020**, 2020, 1	5.4	1
285	Measurements of top-quark pair spin correlations in the (emu) channel at (sqrt{s} = 13) TeV using pp collisions in the ATLAS detector. *European Physical Journal C*, **2020**, 80, 1	4.2	8
284	Measurement of the cross-section and charge asymmetry of W bosons produced in proton–proton collisions at (sqrt{s}=8~text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	11
283	Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8
282	Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton–proton collision data at (sqrt{s} = 13) (text {TeV}). *European Physical Journal C*, **2019**, 79, 1	4.2	37
281	Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	2
280	Search for single production of vector-like quarks decaying into Wb in pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	14

279	Search for top-quark decays t -→Hq with 36 fb⁻¹ of pp collision data at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	13
278	Measurement of VH, (mathrm{H}to mathrm{b}overline{mathrm{b}}) production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8
277	Measurements of W and Z boson production in pp collisions at (sqrt{s}=5.02) TeV with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	12
276	Performance of top-quark and (varvec{W})-boson tagging with ATLAS in Run 2 of the LHC. *European Physical Journal C*, **2019**, 79, 1	4.2	19
275	Measurements of inclusive and differential fiducial cross-sections of (tbar{t}gamma) production in leptonic final states at (sqrt{s}=13~text {TeV}) in ATLAS. *European Physical Journal C*, **2019**, 79, 1	4.2	7
274	A Roadmap for HEP Software and Computing R&D for the 2020s. *Computing and Software for Big Science*, **2019**, 3, 1	6	43
273	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	25
272	Search for doubly charged scalar bosons decaying into same-sign boson pairs with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 58	4.2	20
271	Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	21
270	In situ calibration of large-radius jet energy and mass in 13 TeV proton–proton collisions with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	16
269	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. *European Physical Journal C*, **2019**, 79, 1	4.2	26
268	Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at (sqrt{s}) = 13 and 8 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	5
267	Measurement of the top quark mass in the (tbar{t}rightarrow) lepton+jets channel from (sqrt{s}=8) TeV ATLAS data and combination with previous results. *European Physical Journal C*, **2019**, 79, 1	4.2	24
266	Search for pair production of Higgs bosons in the (boverline{b}boverline{b}) final state using proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	31
265	Constraints on mediator-based dark matter and scalar dark energy models using (sqrt{s}) = 13 TeV pp collision data collected by the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	31
264	Search for long-lived neutral particles in pp collisions at ({sqrt{s}} = 13~{text { TeV}}) that decay into displaced hadronic jets in the ATLAS calorimeter. *European Physical Journal C*, **2019**, 79, 1	4.2	18
263	Search for Higgs boson pair production in the WW(*)WW(*) decay channel using ATLAS data recorded at (sqrt{mathrm{s}}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	12
262	Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	7

261	Measurement of (W^{pm }Z) production cross sections and gauge boson polarisation in pp collisions at (sqrt{s} = 13~text {TeV}) with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	20
260	Searches for third-generation scalar leptoquarks in (sqrt{s}) = 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	18
259	Search for scalar resonances decaying into □□n events with and without b-tagged jets produced in proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	8
258	Search for diboson resonances in hadronic final states in 139 fb□ of pp collisions at (sqrt{s}) = 13 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	10
257	Search for excited electrons singly produced in proton□proton collisions at $$sqrt{s} ~=~13~text {Te}text {V}$$ with the ATLAS experiment at the LHC. *European Physical Journal C*, **2019**, 79,	4.2	3
256	Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at 13□$$text {TeV}$$. *European Physical Journal C*, **2019**, 79,	4.2	11
255	Measurement of $$K_S^0$$ and $$Lambda ^0$$ production in $$t bar{t}$$ dileptonic events in pp collisions at $$sqrt{s} =$$ 7 TeV with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	3
254	Measurement of the inclusive isolated-photon cross section in pp collisions at (sqrt{s}) = 13 TeV using 36 fb□ of ATLAS data. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
253	A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. *European Physical Journal C*, **2019**, 79, 1	4.2	14
252	Measurement of the top-quark mass in (toverline{t}) + 1-jet events collected with the ATLAS detector in pp collisions at (sqrt{s}) = 8 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	12
251	Measurement of fiducial and differential (W^+W^-) production cross-sections at (sqrt{s}=13) TeV with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	16
250	Measurement of ZZ production in the □final state with the ATLAS detector in pp collisions at (sqrt{s}) = 13 TeV. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	2
249	Measurement of (W^{pm })-boson and Z-boson production cross-sections in pp collisions at (sqrt{s}=2.76) TeV with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	2
248	Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton□proton collisions at 8 TeV using the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	4
247	Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	21
246	Measurement of (W^pm) boson production in Pb+Pb collisions at (sqrt{s_{mathrm{NN}}} = 5.02~text {Te}text {V}) with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	7
245	ATLAS b-jet identification performance and efficiency measurement with (t{bar{t}}) events in pp collisions at (sqrt{s}=13) TeV. *European Physical Journal C*, **2019**, 79, 1	4.2	43
244	Measurement of flow harmonics correlations with mean transverse momentum in lead□lead and proton□lead collisions at (sqrt{s_{mathrm{NN}}} = 5.02~hbox {TeV}) with the ATLAS detector. *European Physical Journal C*, **2019**, 79, 1	4.2	16

243	Measurements of top-quark pair differential and double-differential cross-sections in the (ell)+jets channel with pp collisions at (sqrt{s}=13) TeV using the ATLAS detector. *European Physical Journal C* , **2019**, 79, 1	4.2	13
242	Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. *Journal of High Energy Physics*, **2019**, 2019, 1	5.4	7
241	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	5.4	81
240	Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at (sqrt{s}=13) TeV with ATLAS. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	10
239	Measurement of the -boson mass in pp collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 110	4.2	59
238	Search for new phenomena in high-mass final states with a photon and a jet from collisions at = 13 TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 102	4.2	7
237	Search for the direct production of charginos and neutralinos in final states with tau leptons in collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 154	4.2	23
236	Measurement of longitudinal flow decorrelations in Pb+Pb collisions at and 5.02 TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 142	4.2	35
235	Measurement of quarkonium production in proton-lead and proton-proton collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 171	4.2	35
234	Measurement of differential cross-sections of a single top quark produced in association with a boson at with ATLAS. *European Physical Journal C*, **2018**, 78, 186	4.2	5
233	Search for heavy resonances in the and final states using proton-proton collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 293	4.2	41
232	A search for pair-produced resonances in four-jet final states at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 250	4.2	28
231	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb⁻¹ of (sqrt{s}=13) TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	26
230	Search for heavy resonances decaying into in the final state in collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 24	4.2	47
229	Direct top-quark decay width measurement in the lepton+jets channel at with the ATLAS experiment. *European Physical Journal C*, **2018**, 78, 129	4.2	11
228	Search for W W/W Z resonance production in qq final states in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	22
227	Measurement of the Higgs boson coupling properties in the H -> ZZ* -> 4 decay channel at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	36
226	Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	12

225	Search for dark matter produced in association with bottom or top quarks in TeV collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 18	4.2	32
224	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 199	4.2	55
223	Measurement of polarisation in decays in proton-proton collisions at TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 163	4.2	3
222	Searches for heavy ZZ and ZW resonances in the qq and qq final states in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	17
221	Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	23
220	Measurement of differential cross sections and W+/W cross-section ratios for W boson production in association with jets at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	7
219	Measurement of the W-boson mass in pp collisions at (sqrt{s}=7, hbox {TeV}) with the ATLAS detector **2018**, 78, 1		1
218	Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton proton collisions at (sqrt{s}=13,text {TeV}) **2018**, 78, 1		1
217	Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb 1 of (sqrt{s}=13) TeV pp collisions with the ATLAS detector **2018**, 2018, 1		1
216	Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the H ->aa ->4b channel in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	14
215	Measurement of the (Zgamma to nu overline{nu}gamma) production cross section in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	6
214	Prompt and non-prompt elliptic flow in Pb+Pb collisions at Tev with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 784	4.2	8
213	Search for Higgs boson pair production in the channel using collision data recorded at TeV with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 1007	4.2	21
212	Measurement of colour flow using jet-pull observables in events with the ATLAS experiment at. *European Physical Journal C*, **2018**, 78, 847	4.2	5
211	Angular analysis of B 0 d -K*decays in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	44
210	Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb of collisions at TeV with the ATLAS experiment. *European Physical Journal C*, **2018**, 78, 401	4.2	23
209	Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	15
208	Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at (sqrt{s}=13) TeV using the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	4

207	Search for Higgs boson pair production in the (upgamma upgamma boverline{b}) final state with 13 TeV pp collision data collected by the ATLAS experiment. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	23
206	Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	21
205	Measurement of the azimuthal anisotropy of charged particles produced in = 5.02 TeV Pb+Pb collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 997	4.2	21
204	Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at. *European Physical Journal C*, **2018**, 78, 903	4.2	66
203	Search for electroweak production of supersymmetric particles in final states with two or three leptons at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 995	4.2	49
202	Search for charged Higgs bosons decaying into top and bottom quarks at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	39
201	Operation and performance of the ATLAS Tile Calorimeter in Run 1. *European Physical Journal C*, **2018**, 78, 987	4.2	13
200	Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	28
199	Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top 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*, **2018**, 2018, 1	5.4	16
198	Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb of (sqrt{s}=13) TeV pp collision data with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	33
197	Search for long-lived charginos based on a disappearing-track signature in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	48
196	Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	9
195	Search for charged Higgs bosons decaying via H -> in the jets and lepton final states with 36 fb of pp collision data recorded at (sqrt{s}=13) TeV with the ATLAS experiment. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	33
194	Prompt and non-prompt and suppression at high transverse momentum in Pb+Pb collisions with the ATLAS experiment. *European Physical Journal C*, **2018**, 78, 762	4.2	23
193	Search for Higgs boson decays to beyond-the-Standard-Model light bosons in four-lepton events with the ATLAS detector at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	22
192	Search for exclusive Higgs and Z boson decays to ? and with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	6
191	Measurements of b-jet tagging efficiency with the ATLAS detector using (toverline{t}) events at (sqrt{s}=13) TeV. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	31
190	Search for flavour-changing neutral current top-quark decays t -> qZ in proton-proton collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2018**, 2018, 1	5.4	8

189	Measurement of the inclusive and fiducial production cross-sections in the lepton+jets channel in collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 487	4.2	5
188	Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 565	4.2	34
187	Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in collisions with the ATLAS detector. *European Physical Journal C*, **2018**, 78, 625	4.2	15
186	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	5.4	101
185	Measurement of the [Formula: see text] and [Formula: see text] production cross sections in multilepton final states using 3.2 fb[Formula: see text] of [Formula: see text] collisions at [Formula: see text] = 13 TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 40	4.2	14
184	A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 -collision data with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 26	4.2	22
183	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	5.4	22
182	Measurement of jet activity produced in top-quark events with an electron, a muon and two -tagged jets in the final state in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 220	4.2	5
181	Measurement of the boson polarisation in [Formula: see text] events from collisions at [Formula: see text] = 8 TeV in the lepton+jets channel with ATLAS. *European Physical Journal C*, **2017**, 77, 264	4.2	19
180	Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. *European Physical Journal C*, **2017**, 77, 195	4.2	61
179	Measurements of top-quark pair differential cross-sections in the [Formula: see text] channel in collisions at [Formula: see text] TeV using the ATLAS detector. *European Physical Journal C*, **2017**, 77, 292	4.2	13
178	Performance of algorithms that reconstruct missing transverse momentum in [Formula: see text]= 8 TeV proton-proton collisions in the ATLAS detector. *European Physical Journal C*, **2017**, 77, 241	4.2	38
177	Measurement of the prompt /[Formula: see text] pair production cross-section in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 76	4.2	47
176	Search for triboson [Formula: see text] production in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 141	4.2	13
175	Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. *European Physical Journal C*, **2017**, 77, 490	4.2	177
174	Fiducial, total and differential cross-section measurements of -channel single top-quark production in collisions at 8 TeV using data collected by the ATLAS detector. *European Physical Journal C*, **2017**, 77, 531	4.2	27
173	Measurements of electroweak [Formula: see text] production and constraints on anomalous gauge couplings with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 474	4.2	14
172	Jet reconstruction and performance using particle flow with the ATLAS Detector. *European Physical Journal C*, **2017**, 77, 466	4.2	42

171	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	4.2	48
170	Measurement of inclusive and differential cross sections in the H ->ZZ * ->4 decay channel in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	25
169	Measurement of lepton differential distributions and the top quark mass in production in collisions at TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 804	4.2	11
168	Measurement of the (toverline{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	5.4	7
167	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	5.4	6
166	Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. *European Physical Journal C*, **2017**, 77, 673	4.2	33
165	Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] [Formula: see text][Formula: see text] collisions with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 144	4.2	8
164	Measurement of the ZZ production cross section in proton-proton collisions at (sqrt{s}=8) TeV using the ZZ -> + and (ZZto {ell}^{-}{ell}^{+}nu overline{nu}) decay channels with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	9
163	Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	11
162	Measurements of (2S) and X(3872) ->J/+ production in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	15
161	Measurements of top-quark pair to Z-boson cross-section ratios at (sqrt{s}=13) , 8, 7 TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	7
160	Search for lepton-flavour-violating decays of the Higgs and bosons with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 70	4.2	52
159	Performance of the ATLAS trigger system in 2015. *European Physical Journal C*, **2017**, 77, 317	4.2	272
158	Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. *European Physical Journal C*, **2017**, 77, 332	4.2	29
157	Measurements of the production cross section of a [Formula: see text] boson in association with jets in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 361	4.2	26
156	Precision measurement and interpretation of inclusive , and production cross sections with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 367	4.2	56
155	Measurement of jet fragmentation in Pb+Pb and collisions at TeV with the ATLAS detector at the LHC. *European Physical Journal C*, **2017**, 77, 379	4.2	35
154	Search for dark matter at [Formula: see text] in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 393	4.2	52

153	Measurement of charged-particle distributions sensitive to the underlying event in (sqrt{s}=13) TeV proton-proton collisions with the ATLAS detector at the LHC. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	9
152	Search for direct top squark pair production in final states with two leptons in TeV collisions with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 898	4.2	19
151	Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in (sqrt{s}=13) TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	7
150	Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in collisions at TeV using the ATLAS detector. *European Physical Journal C*, **2017**, 77, 765	4.2	10
149	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	5.4	5
148	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	5.4	13
147	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	5.4	12
146	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	5.4	27
145	Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. *European Physical Journal C*, **2017**, 77, 580	4.2	16
144	Measurement of production with the hadronically decaying boson reconstructed as one or two jets in collisions at with ATLAS, and constraints on anomalous gauge couplings. *European Physical Journal C*, **2017**, 77, 563	4.2	15
143	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	5.4	7
142	Searches for the Z 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	5.4	20
141	Studies of Z 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	5.4	7
140	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	5.4	12
139	Search for top quark decays t ->qH, with H -> in (sqrt{s}=13) TeV pp collisions using the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	12
138	Study of and production in collisions at and search for anomalous quartic gauge couplings with the ATLAS experiment. *European Physical Journal C*, **2017**, 77, 646	4.2	11
137	Measurements of top quark spin observables in (toverline{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	5.4	12
136	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	5.4	8

135	Top-quark mass measurement in the all-hadronic (toverline{t}) decay channel at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	6
134	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	5.4	16
133	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	5.4	30
132	Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb−1 of (sqrt{s}=13) TeV pp collision data with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	22
131	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	5.4	29
130	Measurement of the k t splitting scales in Z → ee events in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	3
129	Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	7
128	Evidence for the (Hto boverline{b}) decay with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	50
127	Search for new high-mass phenomena in the dilepton final state using 36 fb−1 of proton-proton collision data at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2017**, 2017, 1	5.4	126
126	Determination of the strong coupling constant from transverse energy-energy correlations in multijet events at using the ATLAS detector. *European Physical Journal C*, **2017**, 77, 872	4.2	19
125	Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. *European Physical Journal C*, **2016**, 76, 295	4.2	28
124	Performance of pile-up mitigation techniques for jets in [Formula: see text] collisions at [Formula: see text] TeV using the ATLAS detector. *European Physical Journal C*, **2016**, 76, 581	4.2	148
123	Measurement of the charged-particle multiplicity inside jets from [Formula: see text][Formula: see text] collisions with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 322	4.2	35
122	Measurement of jet activity in top quark events using the eμ 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	5.4	4
121	Measurement of the transverse momentum and [Formula: see text] distributions of Drell-Yan lepton pairs in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 291	4.2	63
120	Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to WW *→eνμν with the ATLAS detector at (sqrt{s}=8) TeV. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	13
119	Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	13
118	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	5.4	10

117	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	5.4	13
116	A search for an excited muon decaying to a muon and two jets inppcollisions at $sqrt{s};=;8;{rm{TeV}}$ with the ATLAS detector. *New Journal of Physics*, **2016**, 18, 073021	2.9	1
115	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	8
114	Measurements of top-quark pair differential cross-sections in the lepton+jets channel in collisions at [Formula: see text] using the ATLAS detector. *European Physical Journal C*, **2016**, 76, 538	4.2	48
113	Measurement of the differential cross-sections of prompt and non-prompt production of [Formula: see text] and [Formula: see text] in collisions at [Formula: see text] and 8 TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 283	4.2	42
112	Luminosity determination in collisions at [Formula: see text] = 8 TeV using the ATLAS detector at the LHC. *European Physical Journal C*, **2016**, 76, 653	4.2	188
111	Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at [Formula: see text] TeV recorded with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 683	4.2	7
110	Measurement of the angular coefficients in Z-boson events using electron and muon pairs from data taken at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	20
109	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	5.4	20
108	Dark matter interpretations of ATLAS searches for the electroweak production of supersymmetric particles in (sqrt{s}=8) TeV proton-proton collisions. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	16
107	Search for the Standard Model Higgs boson decaying into (boverline{b}) produced in association with top quarks decaying hadronically in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	16
106	Measurement of the CP-violating phase ? s and the B 0 s meson decay width difference with B 0 s ->J/ decays in ATLAS. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	10
105	Search for squarks and gluinos in final states with jets and missing transverse momentum at [Formula: see text] =13 [Formula: see text]with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 392	4.2	53
104	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	5.4	24
103	A search for prompt lepton-jets in pp collisions at (sqrt{mathrm{s}}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	22
102	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	5.4	12
101	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	5.4	12
100	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	5.4	14

99	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	5.4	12
98	Identification of boosted, hadronically decaying bosons and comparisons with ATLAS data taken at [Formula: see text] TeV. *European Physical Journal C*, **2016**, 76, 154	4.2	44
97	Search for new phenomena in events with at least three photons collected in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 210	4.2	53
96	Probing lepton flavour violation via neutrinoless [Formula: see text] decays with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 232	4.2	12
95	A new method to distinguish hadronically decaying boosted bosons from bosons using the ATLAS detector. *European Physical Journal C*, **2016**, 76, 238	4.2	6
94	Search for supersymmetry at [Formula: see text] TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 259	4.2	48
93	Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	45
92	Search for anomalous couplings in the W tb vertex from the measurement of double differential angular decay rates of single top quarks produced in the t-channel with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1-46	5.4	12
91	Searches for scalar leptoquarks in collisions at [Formula: see text] = 8 TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 5	4.2	68
90	Measurements of the Higgs boson production and decay rates and coupling strengths using collision data at [Formula: see text] and 8 TeV in the ATLAS experiment. *European Physical Journal C* , **2016**, 76, 6	4.2	185
89	Measurements of fiducial cross-sections for [Formula: see text] production with one or two additional -jets in collisions at [Formula: see text]=8 TeV using the ATLAS detector. *European Physical Journal C*, **2016**, 76, 11	4.2	21
88	Study of the [Formula: see text] and [Formula: see text] decays with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 4	4.2	13
87	Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 55	4.2	28
86	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,mathrm TeV{}) with the ATLAS detector **2016**, 76, 1		1
85	Study of hard double-parton scattering in four-jet events in pp collisions at (sqrt{s}=7) TeV with the ATLAS experiment. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	21
84	Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in (sqrt{s}=8) TeV pp collisions with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	8
83	Measurement of event-shape observables in [Formula: see text] events in collisions at [Formula: see text] [Formula: see text] with the ATLAS detector at the LHC. *European Physical Journal C*, **2016**, 76, 375	4.2	5
82	Charged-particle distributions in interactions at [Formula: see text] measured with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 403	4.2	19

81	Charged-particle distributions at low transverse momentum in [Formula: see text] TeV interactions measured with the ATLAS detector at the LHC. *European Physical Journal C*, **2016**, 76, 502	4.2	37
80	Search for bottom squark pair production in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 547	4.2	25
79	Search for minimal supersymmetric standard model Higgs Bosons / and for a [Formula: see text] boson in the [Formula: see text] final state produced in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 585	4.2	28
78	Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. *European Physical Journal C*, **2016**, 76, 666	4.2	53
77	Measurement of the [Formula: see text] dijet cross section in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 670	4.2	7
76	The performance of the jet trigger for the ATLAS detector during 2011 data taking. *European Physical Journal C*, **2016**, 76, 526	4.2	16
75	Search for new phenomena in different-flavour high-mass dilepton final states in collisions at [Formula: see text] Tev with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 541	4.2	7
74	Search for the Higgs boson produced in association with a boson and decaying to four -quarks via two spin-zero particles in collisions at 13 TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 605	4.2	16
73	Muon reconstruction performance of the ATLAS detector in proton-proton collision data at [Formula: see text]=13 TeV. *European Physical Journal C*, **2016**, 76, 292	4.2	263
72	Test of CP invariance in vector-boson fusion production of the Higgs boson using the method in the ditau decay channel with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 658	4.2	26
71	Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at [Formula: see text] = 13 Te V with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 565	4.2	20
70	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	5.4	25
69	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	5.4	59
68	Search for flavour-changing neutral current top-quark decays to [Formula: see text] in [Formula: see text] collision data collected with the ATLAS detector at [Formula: see text] TeV. *European Physical Journal C*, **2016**, 76, 12	4.2	16
67	Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in collision data at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 87	4.2	18
66	Search for direct top squark pair production in final states with two tau leptons in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 81	4.2	7
65	Search for charged Higgs bosons in the H + -tb decay channel in pp collisions at (sqrt{s}=8) TeV using the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	33
64	Study of the rare decays of [Formula: see text] and [Formula: see text] into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 513	4.2	27

63	Search for supersymmetry in a final state containing two photons and missing transverse momentum in [Formula: see text]=13 TeV [Formula: see text] collisions at the LHC using the ATLAS detector. *European Physical Journal C*, **2016**, 76, 517	4.2	17
62	Search for resonances in diphoton events at (sqrt{s}=13) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	49
61	Search for single production of vector-like quarks decaying into in collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2016**, 76, 442	4.2	24
60	Measurement of the relative width difference of the ({B}^0hbox{-} {overline{B}}^0) system with the ATLAS detector. *Journal of High Energy Physics*, **2016**, 2016, 1	5.4	5
59	Jet energy measurement and its systematic uncertainty in proton-proton collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 17	4.2	194
58	Search for dark matter in events with heavy quarks and missing transverse momentum in [Formula: see text] collisions with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 92	4.2	60
57	Measurement of the W W + W Z 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	5.4	12
56	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	5.4	29
55	Search for the (boverline{b}) 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	5.4	64
54	Measurement of the inclusive jet cross-section in proton-proton collisions at (sqrt{s}=7) TeV using 4.5 fb of data with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	27
53	Search for charged Higgs bosons decaying via H -> 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	5.4	56
52	Search for production of [Formula: see text] resonances decaying to a lepton, neutrino and jets in [Formula: see text] collisions at [Formula: see text] TeV with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 209	4.2	73
51	Search for Higgs boson pair production in the [Formula: see text] final state from collisions at [Formula: see text] TeVwith the ATLAS detector. *European Physical Journal C*, **2015**, 75, 412	4.2	66
50	Determination of spin and parity of the Higgs boson in the [Formula: see text] decay channel with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 231	4.2	15
49	Search for a new resonance decaying to a or boson and a Higgs boson in the [Formula: see text] final states with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 263	4.2	46
48	Constraints on the off-shell Higgs boson signal strength in the high-mass and final states with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 335	4.2	56
47	Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in collisions at [Formula: see text][Formula: see text]. *European Physical Journal C*, **2015** , 75, 303	4.2	49
46	Study of the spin and parity of the Higgs boson in diboson decays with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 476	4.2	104

45	Observation and measurements of the production of prompt and non-prompt [Formula: see text] mesons in association with a [Formula: see text] boson in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 229	4.2	38
44	Search for the Standard Model Higgs boson produced in association with top quarks and decaying into [Formula: see text] in [Formula: see text] collisions at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 349	4.2	94
43	Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in [Formula: see text] TeV collisions with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 318	4.2	44
42	Search for heavy long-lived multi-charged particles in collisions at [Formula: see text] TeV using the ATLAS detector. *European Physical Journal C*, **2015**, 75, 362	4.2	22
41	Measurement of the top quark mass in the [Formula: see text] and [Formula: see text] channels using [Formula: see text] [Formula: see text] ATLAS data. *European Physical Journal C*, **2015**, 75, 330	4.2	32
40	Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at (sqrt{s}=8) TeV. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	2
39	A search for high-mass resonances decaying to in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	22
38	Summary of the ATLAS experiment sensitivity to supersymmetry after LHC Run 1 interpreted in the phenomenological MSSM. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	42
37	Search for lepton-flavour-violating H -> decays of the Higgs boson with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	46
36	Measurement of four-jet differential cross sections in (sqrt{s}=8) TeV proton-proton collisions using the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1-76	5.4	5
35	A search for (toverline{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	5.4	57
34	Measurement of charged-particle spectra in Pb+Pb collisions at (sqrt{s_{mathrm{NN}}}=2.76) TeV with the ATLAS detector at the LHC. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	49
33	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	5.4	26
32	Constraints on new phenomena via Higgs boson couplings and invisible decays with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	91
31	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	5.4	66
30	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	5.4	31
29	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	5.4	65
28	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	5.4	54

27	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	5.4	16
26	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	5.4	55
25	Determination of the top-quark pole mass using (toverline{t}) + 1-jet events collected with the ATLAS experiment in 7 TeV pp collisions. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	15
24	Measurement of the (toverline{t}W) and (toverline{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	5.4	16
23	Search for flavour-changing neutral current top quark decays t -> Hq in pp collisions at (sqrt{s}=8) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1-65	5.4	18
22	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	5.4	22
21	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	5.4	37
20	Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	74
19	Search for direct pair production of a chargino and a neutralino decaying to the 125 GeV Higgs boson in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. *European Physical Journal C*, **2015**, 75, 208	4.2	50
18	Study of (W/Z)H production and Higgs boson couplings using H->W W * decays with the ATLAS detector. *Journal of High Energy Physics*, **2015**, 2015, 1	5.4	14
17	Search for metastable heavy charged particles with large ionisation energy loss in collisions at [Formula: see text] TeV using the ATLAS experiment. *European Physical Journal C*, **2015**, 75, 407	4.2	18
16	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 **2015**, 75, 1		1
15	Measurement of the inclusive jet cross-section in proton-proton collisions at (sqrt{s}=7) TeV using 4.5 fb of data with the ATLAS detector **2015**, 2015, 1		3
14	Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at (sqrt{s}) = 8 TeV using the ATLAS detector. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	14
13	Search for supersymmetry at (sqrt{s}) = 8 TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	39
12	Search for direct top squark pair production in events with a [Formula: see text] boson, [Formula: see text]-jets and missing transverse momentum in [Formula: see text] TeV [Formula: see text] collisions with the ATLAS detector. *European Physical Journal C*, **2014**, 74, 2883	4.2	41
11	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. *European Physical Journal C*, **2014**, 74, 3130	4.2	166
10	Measurement of the Z/ * boson transverse momentum distribution in pp collisions at (sqrt{s}=7) TeV with the ATLAS detector. *Journal of High Energy Physics*, **2014**, 2014, 1	5.4	79

9	Measurement of splitting scales in -→events at [Formula: see text] with the ATLAS detector. *European Physical Journal C*, **2013**, 73, 2432	4.2	8
8	Performance of jet substructure techniques for large-R jets in proton-proton collisions at (sqrt{s}=7) TeV using the ATLAS detector. *Journal of High Energy Physics*, **2013**, 2013, 1	5.4	43
7	Jet energy measurement with the ATLAS detector in proton-proton collisions at (sqrt{mathrm{s}}=7 mathrm{TeV}). *European Physical Journal C*, **2013**, 73, 1	4.2	209
6	Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. *European Physical Journal C*, **2013**, 73, 1	4.2	41
5	Jet energy resolution in proton-proton collisions at [Formula: see text] recorded in 2010 with the ATLAS detector. *European Physical Journal C*, **2013**, 73, 2306	4.2	153
4	Performance of the ATLAS Trigger System in 2010. *European Physical Journal C*, **2012**, 72, 1	4.2	232
3	Measurement of the top quark-pair production cross section with ATLAS in pp collisions at (sqrt{s}=7) TeV. *European Physical Journal C*, **2011**, 71, 1	4.2	138
2	Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at (sqrt{s}=7mbox{~TeV}) with the ATLAS detector. *European Physical Journal C*, **2011**, 71, 1	4.2	53
1	The ATLAS Simulation Infrastructure. *European Physical Journal C*, **2010**, 70, 823-874	4.2	817