

Date Submitted: 2018-12-24 17:00:54

Confirmation Number: 943166

Template: NSERC_Researcher

Professor Douglas Michael Gingrich

Correspondence language: English

Contact Information

The primary information is denoted by (*)

Address

Mailing (*)

Centre for Particle Physics

Department of Physics

2-097

Centennial Centre for Interdisciplinary Science

Edmonton Alberta T6G 2E1

Canada

Telephone

Work (*)

1-780-4929501

Email

Work (*)

gingrich@ualberta.ca



Protected when completed

Professor Douglas Gingrich

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes

Degrees

- 1988/2 Doctorate, Physics, University of Toronto
Supervisors: Robert Orr, 1983/9 - 1988/2
- 1983/8 Master's non-Thesis, Physics, University of Toronto
Supervisors: Gerd Hartner, 1982/9 - 1983/8
- 1982/9 Bachelor's Honours, Physics Co-op, University of Waterloo

Recognitions

- 2013/7 - 2014/6 2013 High Energy and Particle Physics Prize of the European Physical Society.
European Physical Society
Prize / Award
The ATLAS and CMS collaborations, for the discovery of a Higgs boson, as predicted by the Brout-Englert-Higgs mechanism.

User Profile

Research Specialization Keywords: black holes, extra dimensions, instrumentation, electronics, computing, particle physics, subatomic physics, astrophysics

Employment

- 2013/8 - 2014/10 Visiting Scientist
Science, SNOLAB
Full-time, Visiting Professorship, Professor
Tenure Status: Non Tenure Track
DEAP Electronics
- 2007/5 - 2009/5 Honorary Research Fellow
Physics, Univ of London - University College London
Full-time, Visiting Professorship, Professor
Tenure Status: Non Tenure Track
Monte Carlo Event Generators

1997/7 - 2001/6	Associate Professor Physics, University of Alberta Full-time, Associate Professor Tenure Status: Tenure
1999/5 - 2000/5	Adjunct Visiting Research Scientist Physics, Columbia University Full-time, Visiting Professorship, Professor Tenure Status: Non Tenure Track Microelectronics
2093/1 - 1997/6	Assistant Professor Physics, University of Alberta Full-time, Assistant Professor Tenure Status: Tenure Track
1988/4 - 1993/1	Postdoctoral Research Associate Particle and Nuclear Physics, University of Oxford Full-time, Term Tenure Status: Non Tenure Track ZEUS Experiment
1988/8 - 1992/12	College Lecturer in Physics Physics, Hertford College, University of Oxford Part-time, Term, Lecturer Tenure Status: Non Tenure Track College Lecturer in Physics

Research Funding History

Awarded [n=4]

2017/6 - 2022/5 Principal Knowledge User	Upgrades to the ATLAS Detector at the Large Hadron Colider, Grant Funding Sources: Canada Foundation for Innovation (CFI) Innovation Fund 2017 Total Funding - 236,928,533 Portion of Funding Received - 0 Funding Competitive?: Yes
2017/6 - 2022/5 Principal Knowledge User	ATLAS Tier-1 Data Centre, Grant Funding Sources: Canada Foundation for Innovation (CFI) Innovation Fund 2017 Total Funding - 8,750,000 Portion of Funding Received - 0 Funding Competitive?: Yes
2017/4 - 2018/3 Co-investigator	Upgrades to the ATLAS Detector at the LHC, Grant Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) Research Tools and Instruments Cat. 2 & 3 Total Funding - 193,000 Portion of Funding Received - 0 Funding Competitive?: Yes
2015/4 - 2018/3	ATLAS Operating, Grant

Co-investigator **Funding Sources:**
 Natural Sciences and Engineering Research Council of Canada (NSERC)
 SAPPJ
 Total Funding - 17,300,000
 Portion of Funding Received - 992,000
 Funding Competitive?: Yes

Completed [n=11]

2016/4 - 2017/3
 Co-investigator Upgrade to the ATLAS detector at the Large Hadron Collider, Grant

Funding Sources:
 Natural Sciences and Engineering Research Council of Canada (NSERC)
 SAPEQ
 Total Funding - 220,000
 Portion of Funding Received - 0
 Funding Competitive?: Yes

2012/4 - 2015/3
 Co-investigator ATLAS Operating, Grant

Funding Sources:
 Natural Sciences and Engineering Research Council of Canada (NSERC)
 SAPPJ
 Total Funding - 16,945,948
 Portion of Funding Received - 1,225,000
 Funding Competitive?: Yes

2014/4 - 2015/3
 Co-investigator Upgrade the ATLAS Experiment at the CERN LHC, Grant

Funding Sources:
 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Research Tools and Instruments Cat. 2 & 3
 Total Funding - 575,000
 Portion of Funding Received - 0
 Funding Competitive?: Yes

2013/4 - 2014/3
 Co-investigator Upgrading the ATLAS Experiment at the CERN LHC, Grant

Funding Sources:
 Natural Sciences and Engineering Research Council of Canada (NSERC)
 Subatomic Physics - Research Tools and Instruments
 Total Funding - 410,000
 Portion of Funding Received - 0
 Funding Competitive?: Yes

2013/1 - 2013/11
 Principal Knowledge User TRIUMF Tier-1 Computing Refresh, Grant

Funding Sources:
 Canada Foundation for Innovation (CFI)
 CFI
 Total Funding - 1,000,000
 Portion of Funding Received - 0
 Funding Competitive?: Yes

2011/4 - 2013/3
 Co-investigator MRS Application of the Centre for Particle Physics, Grant

Funding Sources:
 Natural Sciences and Engineering Research Council of Canada (NSERC)
 MRS
 Total Funding - 702,000
 Portion of Funding Received - 0

	Funding Competitive?: Yes
2012/4 - 2013/3 Co-investigator	Computing infrastructure for the University of Alberta Centre for Particle Physics, Grant Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) Subatomic Physics - Research Tools and Instruments Total Funding - 16,497 Portion of Funding Received - 0 Funding Competitive?: Yes
2009/4 - 2012/3 Co-investigator	ATLAS Operating, Grant Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) SAPPJ Total Funding - 15,700,000 Portion of Funding Received - 1,161,000 Funding Competitive?: Yes
2010/4 - 2012/3 Co-investigator	ATLAS Upgrades, Grant Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) Subatomic Physics - Research Tools and Instruments Total Funding - 180,000 Portion of Funding Received - 0 Funding Competitive?: Yes
2009/4 - 2012/3 Co-investigator	ATLAS Computing MRS, Grant Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) SAPIF Total Funding - 680,000 Portion of Funding Received - 108,874 Funding Competitive?: Yes
2008/4 - 2012/3 Co-investigator	The ATLAS High Level Trigger, Grant Funding Sources: Natural Sciences and Engineering Research Council of Canada (NSERC) SAPEQ Total Funding - 1,580,000 Portion of Funding Received - 0 Funding Competitive?: Yes

Student/Postdoctoral Supervision

Bachelor's Honours [n=9]

2018/5 - 2018/8 Principal Supervisor	Undseth, Brennan (In Progress) , University of Alberta Thesis/Project Title: Horizon quantum wave function at the LHC Present Position: Undergraduate student
2017/5 - 2017/8 Principal Supervisor	Franck Wandler (Completed) , University of Alberta Thesis/Project Title: Initial-state radiation in black hole production at the LHC Present Position: Undergraduate student, University of Alberta

2017/5 - 2017/8 Principal Supervisor	Vincent Mackay (Completed) , McGill University Thesis/Project Title: Same-sign top quark production in black hole production at the LHC Present Position: Undergraduate student, McGill University
2016/5 - 2017/8 Principal Supervisor	Shengzhao Yu (In Progress) , University of Alberta Thesis/Project Title: Volunteer research on ATLAS experiment Present Position: Undergraduate student, University of Alberta
2015/6 - 2015/8 Principal Supervisor	Edwards, Jack (Completed) , University of British Columbia Thesis/Project Title: String balls in a split fermion model Present Position: Undergraduate student
2013/5 - 2013/8 Principal Supervisor	Bai, Yun Tao (Completed) , University of Toronto Thesis/Project Title: Black holes at ATLAS Present Position: Graduate student
2012/5 - 2012/8 Principal Supervisor	Saraswat, Krishan (Completed) , University of Alberta Thesis/Project Title: Black holes at ATLAS Present Position: Undergraduate student
2012/5 - 2012/8 Principal Supervisor	Pavelich, Robert (Completed) , University of Alberta Thesis/Project Title: Black holes at ATLAS Present Position: Graduate student
2012/5 - 2012/8 Principal Supervisor	Sevova, Stanislava (Completed) , University of Notre Dame Thesis/Project Title: Black holes at ATLAS Present Position: Graduate student

Master's Thesis [n=1]

2011/1 - 2013/6 Principal Supervisor	Emelideme, Kingsley (Completed) , University of Alberta Thesis/Project Title: Search for microscopic black holes at the LHC using noncommutative inspired geometry Present Position: Alberta Investment Management Corp.
---	--

Doctorate [n=2]

2010/1 - 2016/9 Principal Supervisor	Butt, Aatif (Completed) , University of Alberta Thesis/Project Title: Search for microscopic black holes in multi-jet final states using multiple single-jet triggers with the ATLAS detector using 8 TeV proton-proton collisions at the Large Hadron Collider Present Position: National Centre for Physics (NCP) Pakistan
2009/1 - 2014/10 Principal Supervisor	Saddique, Asif (Completed) , University of Alberta Thesis/Project Title: Search for microscopic black holes in multijet final states with the ATLAS detector using 8 TeV proton-proton collisions at the Large Hadron Collider Present Position: National Centre for Physics (NCP) Pakistan

Post-doctorate [n=7]

2016/9 - 2018/2 Co-Supervisor	Hulin Wang (In Progress) , University of Alberta Thesis/Project Title: ATLAS Present Position: Post-doctorate
2016/8 - 2018/7 Co-Supervisor	Xiaohu Sun (In Progress) , University of Alberta Thesis/Project Title: ATLAS Present Position: Post-doctorate

2014/10 - 2015/7 Co-Supervisor	Marco Cardaci (Completed) , University of Alberta Thesis/Project Title: ATLAS Present Position: Unknown
2014/9 - 2017/8 Co-Supervisor	James Dassoulas (Completed) , University of Alberta Thesis/Project Title: ATLAS Present Position: Researcher, University of Alberta
2013/8 - 2016/8 Co-Supervisor	Czodrowsk, Patrick (Completed) , University of Alberta Thesis/Project Title: ATLAS Present Position: CERN Fellow, CERN
2011/7 - 2014/6 Principal Supervisor	Vives, Francesc (Completed) , University of Alberta Thesis/Project Title: ATLAS Present Position: Unknown
2010/10 - 2013/5 Co-Supervisor	Subramania, Siva (Completed) , University of Alberta Thesis/Project Title: ATLAS Present Position: Professor India

Research Associate [n=2]

2010/7 - 2013/5 Co-Supervisor	Pei, Erming (Completed) , University of Alberta Thesis/Project Title: ATLAS Tier-2 computing Present Position: University of Alberta
2008/9 - 2012/3 Co-Supervisor	Soni, Nitesh (Completed) , University of Alberta Thesis/Project Title: ATLAS Present Position: RA

Editorial Activities

2016/12 - 2016/12	Reviewer, Measurement Science and Technology, Journal
2016/7 - 2016/7	Reviewer, Universe, Journal
2014/3 - 2014/3	Reviewer, Journal of Physics G: Nuclear and Particle Physics, Journal
2013/9 - 2013/11	Reviewer, Physical Review and Research International, Journal
2013/3 - 2013/7	Reviewer, Journal of High Energy Physics, Journal
2011/12 - 2012/3	Reviewer, Journal of Physics G: Nuclear and Particle Physics, Journal
2010/4 - 2012/1	Reviewer, International Journal of Theoretical Physics, Journal

Organizational Review Activities

2017/11 - 2017/11	Reviewer, Shastri Indo-Canadian Institute Reviewed grant application
2015/11 - 2015/11	Reviewer, CFI John R. Evans Leaders Fund CFI John R. Evans Leaders Fund
2015/4 - 2015/5	Reviewer, Canada Research Chair Review renewal of CRC

International Collaboration Activities

1993/1 - 2027/12 Scientific collaborator, Canada
ATLAS Collaboration at CERN

Committee Memberships

2005/1 Committee Member, Institute of Particle Physics Institutional Board, Institute of Particle Physics
University of Alberta Institutional Proxy

2016/9 - 2017/3 Committee Member, International Conference Committee, University of Malaya
International Conference on High Energy Physics - Theory to Experiment

2013/6 - 2015/6 Committee Member, Institute of Particle Physics Council, Institute of Particle Physics

2004/7 - 2013/6 Chair, Centre for Particle Physics, University of Alberta
Director of Centre for Particle Physics

Other Memberships

2016/7 Committee Member, University of Alberta
Graduate Affairs Committee

2008/7 - 2013/9 Selection Committee Member, University of Alberta
Dean of Science Selection Committee

2013/7 - 2013/6 Council Member, University of Alberta
Association of Academic Staff

2009/7 - 2013/6 Committee member, University of Alberta
Academic Faculty Committee

2002/1 - 2013/6 Chair, University of Alberta
Carl H. Westcott Fellowship

2009/7 - 2012/6 Council Member, University of Alberta
Engineering Faculty Council

Presentations

1. (2017). The Extra-dimensional Universe. University of Alberta Observatory, Edmonton, Canada
Main Audience: General Public
Invited?: Yes, Keynote?: No
2. (2016). Collider searches for low-scale gravity states. University of Tokyo, ICEPP, Tokyo, Japan
Main Audience: Researcher
Invited?: Yes, Keynote?: No
3. (2015). Collider searches for non-perturbative low-scale gravity states. Shanghai Jiao-Tong University - Physics Department Seminar, Shanghai, China
Main Audience: Researcher
Invited?: Yes, Keynote?: No
4. (2015). The Higgs Boson: Road to the 2013 Nobel Prize in Physics. Department of Physics Colloquium (U of Winnipeg), Winnipeg, Canada
Invited?: Yes, Keynote?: No

5. (2015). Limits on non-perturbative gravitation states at the LHC. Department of Physics Seminar, Hong Kong, Hong Kong
Main Audience: Researcher
Invited?: No, Keynote?: No
6. (2015). Low-scale gravity phenomenology. Canadian Association of Physicists - Division of Theoretical Physics session, Edmonton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
7. (2015). The Higgs Boson: Road to the 2013 Nobel Prize in Physics. Department of Physics Colloquium (U of Manitoba), Winnipeg, Canada
Invited?: Yes, Keynote?: No
8. (2015). Search for new physics in dijet resonant signatures and recent results from Run2 with the ATLAS experiment. LHCP2015, St. Petersburg, Russian Federation
Main Audience: Researcher
Invited?: Yes, Keynote?: No
9. (2014). The High-Energy Frontier. TSIMFP2014 Conference, Jazan, Saudi Arabia
Main Audience: Researcher
Invited?: Yes, Keynote?: No
10. (2014). The Higgs Boson: Road to the 2013 Nobel Prize in Physics. Department of Physics Colloquium, Jeda, Saudi Arabia
Main Audience: Researcher
Invited?: Yes, Keynote?: No
11. (2014). The Higgs Boson: Road to the 2013 Nobel Prize in Physics. Faculty of Science Colloquium, Jazan, Saudi Arabia
Main Audience: Researcher
Invited?: Yes, Keynote?: No
12. (2013). Black holes in early ATLAS data. Black Holes VII: Theory and Mathematical Aspects, Banff, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No
13. Douglas M. Gingrich. (2013). LHC searches for gravitational effects at the TeV scale (covering BH's, extra dimensions). COST2013, Geneva, Switzerland
Main Audience: Researcher
Invited?: Yes, Keynote?: No
14. (2012). Search for nonperturbative gravitational states at the LHC. Perimeter Institute: Quantum Gravity Workshop, Waterloo, Canada
Main Audience: Researcher
Invited?: No, Keynote?: No

Broadcast Interviews

2012/06/27 - Higgs Discover, News Interview, CBS
2013/06/27

Text Interviews

2013/10/08 Higgs Nobel Prize, Canadian Press
2012/06/30 Higgs Discover, Folio, University of Alberta newspaper

Publications

Journal Articles

1. The ATLAS Collaboration. (2018). Search for heavy ZZ resonances in the $l^+l^-l^+l^-$ and $l^+l^-\nu\nu$ -bar final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 79(293)
Published
Refereed?: Yes, Open Access?: Yes
2. The ATLAS Collaboration. (2018). Search for the standard model Higgs boson produced in association with top quarks and decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 97(072003)
Published
Refereed?: Yes, Open Access?: Yes
3. The ATLAS Collaboration. (2018). Search for B-LR-parity-violating top squarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS experiment. Physical Review D. 97(059)
Published
Refereed?: Yes, Open Access?: Yes
4. The ATLAS Collaboration. (2018). Search for squarks and gluinos in final states with jets and missing transverse momentum using 36/fb of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Physical Review D. 97(112001)
Published
Refereed?: Yes, Open Access?: Yes
5. The ATLAS Collaboration. (2018). Search for resonances in the mass distribution of jet pairs with one or two jets identified as b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Review D. 98(032016)
Published
Refereed?: Yes, Open Access?: Yes
6. The ATLAS Collaboration. (2018). 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. 06(166)
Published
Refereed?: Yes, Open Access?: Yes
7. The ATLAS Collaboration. (2018). Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics. 09(139)
Published
Refereed?: Yes, Open Access?: Yes
8. The ATLAS Collaboration. (2018). Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 07(176)
Published
Refereed?: Yes, Open Access?: Yes
9. The ATLAS Collaboration. (2018). Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. The European Physical Journal C. 78(784)
Published
Refereed?: Yes, Open Access?: Yes

10. The ATLAS Collaboration. (2018). Search for newphenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. The European Journal of Physics C. 78(625)
Published
Refereed?: Yes, Open Access?: Yes
11. The ATLAS Collaboration. (2018). Search for doublycharged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. The European Physical Journal C. 78(199)
Published
Refereed?: Yes, Open Access?: Yes
12. The ATLAS Collaboration. (2018). Combined measurement of differential and total cross sections in the $H \rightarrow \gamma\gamma$ and $H \rightarrow ZZ^* \rightarrow 4l$ decay channels at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 777: 303-323.
Published
Refereed?: Yes, Open Access?: Yes
13. The CMS and ATLAS Collaboration. (2018). Combination of inclusive and differential tt-bar charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics. 04(033)
Published
Refereed?: Yes, Open Access?: Yes
14. The ATLAS Collaboration. (2018). Search for low-mass dijet resonances using trigger-level jets with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters. 121(081801)
Published
Refereed?: Yes, Open Access?: Yes
15. The ATLAS Collaboration. (2018). Measurement of the exclusive $\gamma\gamma \rightarrow \mu^+\mu^-$ process in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 777: 303-323.
Published
Refereed?: Yes, Open Access?: Yes
16. The ATLAS Collaboration. (2018). Search for pair production of heavy vectorlike quarks decaying into hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 98(092005)
Published
Refereed?: Yes, Open Access?: Yes
17. The ATLAS Collaboration. (2018). Observation of Higgs boson production in association with a top quark pair at the LHC with the ATLAS detector. Physics Letters B. 784: 173-191.
Published
Refereed?: Yes, Open Access?: Yes
18. The ATLAS Collaboration. (2018). 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. 07(089)
Published
Refereed?: Yes, Open Access?: Yes
19. The ATLAS Collaboration. (2018). 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. 06(077)
Published
Refereed?: Yes, Open Access?: Yes

20. The ATLAS Collaboration. (2018). Measurement of longitudinal flow de-correlations in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV with the ATLAS detector. The European Physical Journal C. 78(142)
Published
Refereed?: Yes, Open Access?: Yes
21. The ATLAS Collaboration. (2018). Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using $36/\text{fb}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics. 06(108)
Published
Refereed?: Yes, Open Access?: Yes
22. The ATLAS Collaboration. (2018). Search for top squarks decaying to tau sleptons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 98(032008)
Published
Refereed?: Yes, Open Access?: Yes
23. The ATLAS Collaboration. (2018). Search for electroweak production of supersymmetric states in scenarios with compressed mass spectra at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 97(052010)
Published
Refereed?: Yes, Open Access?: Yes
24. The ATLAS Collaboration. (2018). Measurement of jet fragmentation in 5.02 TeV proton–lead and proton–proton collisions with the ATLAS detector. Nuclear Physics A. 978: 65-106.
Published
Refereed?: Yes, Open Access?: Yes
25. The ATLAS Collaboration. (2018). Search for diboson resonance with boson-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 777: 91-113.
Published
Refereed?: Yes, Open Access?: Yes
26. The ATLAS Collaboration. (2018). 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. 05(195)
Published
Refereed?: Yes, Open Access?: Yes
27. The ATLAS Collaboration. (2018). Observation of centrality-dependent acoplanarity for muon pairs produced via two-photon scattering in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Physical Review Letters. 121(212301)
Published
Refereed?: Yes, Open Access?: Yes
28. The ATLAS Collaboration. (2018). Measurement of Higgs boson properties in the diphoton decay channel with 36 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 98(052005)
Published
Refereed?: Yes, Open Access?: Yes
29. The ATLAS Collaboration. (2018). Search for long-lived charginos based on a disappearing-track signature in pp collision at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 06(022)
Published
Refereed?: Yes, Open Access?: Yes
30. The ATLAS Collaboration. (2018). Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 13$ TeV pp collisions with ATLAS. Physical Review D. 98(032009)
Published
Refereed?: Yes, Open Access?: Yes

31. The ATLAS Collaboration. (2018). ZZ $\rightarrow l^+l^-l^+l^-$ cross-section measurements and search for anomalous triple gauge couplings in 13 TeV pp collisions with the ATLAS detector. Physical Review D. 97(032005)
Published
Refereed?: Yes, Open Access?: Yes
32. The ATLAS Collaboration. (2018). Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics. 10(159)
Published
Refereed?: Yes, Open Access?: Yes
33. The ATLAS Collaboration. (2018). Direct top-quark decay width measurement in the $t\bar{t}$ lepton+jets channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 78(129)
Published
Refereed?: Yes, Open Access?: Yes
34. The ATLAS Collaboration. (2018). 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. 01(126)
Published
Refereed?: Yes, Open Access?: Yes
35. The ATLAS Collaboration. (2018). Operation and performance of the ATLAS Tile Calorimeter in Run 1. The European Journal of Physics C. 78(987)
Published
Refereed?: Yes, Open Access?: Yes
36. The ATLAS Collaboration. (2018). Search for light resonances decaying to boosted quark pairs and produced in association with a photon or a jet in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 788: 316-335.
Published
Refereed?: Yes, Open Access?: Yes
37. The ATLAS Collaboration. (2018). Search for heavy resonances decaying into WW in the $e\nu\mu\nu$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 78(24)
Published
Refereed?: Yes, Open Access?: Yes
38. The ATLAS Collaboration. (2018). Probing the quantum interference between singly and doubly resonant top-quark production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters.
Published
Refereed?: Yes, Open Access?: Yes
39. The ATLAS Collaboration. (2018). Search for heavy resonances decaying to a photon and a hadronically decaying Z/W/H boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 98(032015)
Published
Refereed?: Yes, Open Access?: Yes
40. The ATLAS Collaboration. (2018). Combination of searches for pair-produced vectorlike partners of the third-generation quarks at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters. 121(21180)
Published
Refereed?: Yes, Open Access?: Yes
41. The ATLAS Collaboration. (2018). Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow aa \rightarrow 4b$ channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 10(031)
Published
Refereed?: Yes, Open Access?: Yes

42. The ATLAS Collaboration. (2018). A search for high-mass resonances decaying to $\tau\nu$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters. 120(161802)
Published
Refereed?: Yes, Open Access?: Yes
43. The ATLAS Collaboration. (2018). Measurement of the cross section for isolated-photon plus jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 780: 578-602.
Published
Refereed?: Yes, Open Access?: Yes
44. The ATLAS Collaboration. (2018). Search for pair production of heavy vector-like quarks decaying into high- p_T 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. 08(048)
Published
Refereed?: Yes, Open Access?: Yes
45. The ATLAS Collaboration. (2018). Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 98(092012)
Published
Refereed?: Yes, Open Access?: Yes
46. The ATLAS Collaboration. (2018). Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}a\tau^+\tau^-$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters. 121(191801)
Published
Refereed?: Yes, Open Access?: Yes
47. The ATLAS Collaboration. (2018). Search for long-lived, massive particles in events with displaced vertices and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Physical Review D. 97(052012)
Published
Refereed?: Yes, Open Access?: Yes
48. The ATLAS Collaboration. (2018). 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. 10(180)
Published
Refereed?: Yes, Open Access?: Yes
49. The ATLAS Collaboration. (2018). Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ^* \rightarrow 4l$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 03(095)
Published
Refereed?: Yes, Open Access?: Yes
50. The ATLAS Collaboration. (2018). Search for $W' \rightarrow tb$ decays in the hadronic final state using pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 781: 327-348.
Published
Refereed?: Yes, Open Access?: Yes
51. The ATLAS Collaboration. (2018). A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 78(250)
Published
Refereed?: Yes, Open Access?: Yes

52. The ATLAS Collaboration. (2018). Combination of thesearches for heavy resonances decaying into bosonic and leptonic states using 36 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$ with the ATLASdetector. Physical Review Letters. 98(052008)
Published
Refereed?: Yes, Open Access?: Yes
53. The ATLAS Collaboration. (2018). Measurement oflong-range multi-particle azimuthal correlations with the subevent cumulantmethod in pp and p+Pb collisions with the ATLAS detector at the LHC. Physical Review C. 97(024904)
Published
Refereed?: Yes, Open Access?: Yes
54. The ATLAS Collaboration. (2018). Search for an invisibly decaying Higgs boson or dark matter candidates produced in association with a Z boson in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters B. 776: 318-337.
Published
Refereed?: Yes, Open Access?: Yes
55. The ATLAS Collaboration. (2018). Search forflavor-changing neutal currents in top quark decays $t \rightarrow Hc$ and $t \rightarrow Hu$ in multilepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ withthe ATLAS detector. Physical Review D. 98(032002)
Published
Refereed?: Yes, Open Access?: Yes
56. The ATLAS Collaboration. (2018). Search for vector-boson resonances decaying to a top quark and bottom quark in the lepton plus jets final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physics Letters B. 788: 347-370.
Published
Refereed?: Yes, Open Access?: Yes
57. The ATLAS Collaboration. (2018). Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. The European Journal of Physics C. 78(762)
Published
Refereed?: Yes, Open Access?: Yes
58. The ATLAS Collaboration. (2018). Search for lepton-flavorvioletion in different-flavor, high-mass final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Physical Review D. 98(092008)
Published
Refereed?: Yes, Open Access?: Yes
59. The ATLAS Collaboration. (2018). Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics. 01(055)
Published
Refereed?: Yes, Open Access?: Yes
60. The ATLAS Collaboration. (2018). Search for structurein the $B_s^0 \pi^{+-}$ invariant mass spectrum with the ATLAS experiment. Physical Review Letters. 120(202007)
Published
Refereed?: Yes, Open Access?: Yes
61. The ATLAS Collaboration. (2018). Search for the decayof the Higgs boson to charm quarks with the ATLAS experiment. Physical Review Letters. 120(211802)
Published
Refereed?: Yes, Open Access?: Yes

62. The ATLAS Collaboration. (2018). Performance of top-quark and W-boson tagging with ATLAS in run 2 of the LHC. *Physics Letters B*. 786(59)
Published
Refereed?: Yes, Open Access?: Yes
63. The ATLAS Collaboration. (2018). Searches for exclusive Higgs and Z boson decays into J/ψ gamma, $\psi(2S)$ gamma, and $\Upsilon(nS)$ at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Physics Letters B*. 786: 1340155.
Published
Refereed?: Yes, Open Access?: Yes
64. The ATLAS Collaboration. (2018). Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb^{-1} of pp collisions $\sqrt{s} = 13$ TeV with the ATLAS detector,. *The European Physical Journal C*. 78(401)
Published
Refereed?: Yes, Open Access?: Yes
65. The ATLAS Collaboration. (2018). Search for photonic signatures of gauge-mediated supersymmetry in 13 TeV pp collisions with the ATLAS detector,. *Physical Review D*. 97(092006)
Published
Refereed?: Yes, Open Access?: Yes
66. The ATLAS Collaboration. (2018). 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*. 06(107)
Published
Refereed?: Yes, Open Access?: Yes
67. The ATLAS Collaboration. (2018). Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. *The European Physical Journal C*. 78(186)
Published
Refereed?: Yes, Open Access?: Yes
68. The ATLAS Collaboration. (2018). Measurement of the production cross section of three isolated photons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector,. *Physics Letters B*. 781: 55-76.
Published
Refereed?: Yes, Open Access?: Yes
69. The ATLAS Collaboration. (2018). Measurements of tt-bar differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. *Physical Review D*. 98(012003)
Published
Refereed?: Yes, Open Access?: Yes
70. The ATLAS Collaboration. (2018). Measurement of the inclusive and fiducial tt-bar production cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. *The European Physical Journal C*. 78(487)
Published
Refereed?: Yes, Open Access?: Yes
71. The ATLAS Collaboration. (2018). Measurement of b-jet tagging efficiency with the ATLAS detector using ttbar events at $\sqrt{s} = 13$ TeV. *Journal of High Energy Physics*. 08(89)
Published
Refereed?: Yes, Open Access?: Yes
72. The ATLAS Collaboration. (2018). A measure of the soft-drop jet mass in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. *Physical Review Letters*. 121(092001)
Published
Refereed?: Yes, Open Access?: Yes

73. The ATLAS Collaboration. (2018). Search for the direct production of charginos and neutralinos in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. The European Physical Journal C. 78(154)
Published
Refereed?: Yes, Open Access?: Yes
74. The ATLAS Collaboration. (2018). Measurement of dijet azimuthal decorrelations in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and determination of the strong coupling. Physical Review D. 98(092004)
Published
Refereed?: Yes, Open Access?: Yes
75. The ATLAS Collaboration. (2018). Search for Higgs boson decays into pairs of light (pseudo) scalar particles in the $\gamma\gamma jj$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 782: 750-767.
Published
Refereed?: Yes, Open Access?: Yes
76. The ATLAS Collaboration. (2018). Search for exclusive Higgs and Z boson decays to phi-gamma and rho-gamma with the ATLAS detector. Journal for High Energy Physics. 07(127)
Published
Refereed?: Yes, Open Access?: Yes
77. The ATLAS Collaboration. (2018). Measurement of tau polarization in $Z/\gamma^* \rightarrow \tau\tau$ decays in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 78(163)
Published
Refereed?: Yes, Open Access?: Yes
78. The ATLAS Collaboration. (2018). Angular analysis of $B_d^0 \rightarrow K^* \mu^+ \mu^-$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 10(047)
Published
Refereed?: Yes, Open Access?: Yes
79. The ATLAS Collaboration. (2018). 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 of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics. 03(174)
Published
Refereed?: Yes, Open Access?: Yes
80. The ATLAS Collaboration. (2018). Search for R-parity-violating supersymmetric particles in multi-jet final states produced in p-p collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC. Physics Letters B. 785: 136-158.
Published
Refereed?: Yes, Open Access?: Yes
81. The ATLAS Collaboration. (2018). Search for Higgs boson pair production in the $\gamma\gamma b\bar{b}$ final state with 13 TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics. 11(040)
Published
Refereed?: Yes, Open Access?: Yes
82. The ATLAS Collaboration. (2018). 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. The European Physical Journal C. 78(565)
Published
Refereed?: Yes, Open Access?: Yes
83. The ATLAS Collaboration. (2018). A search for resonances decaying into a Higgs boson and a new particle X in the $XH \rightarrow q\bar{q}b\bar{b}$ final state with the ATLAS detector. Physics Letters B. 779: 24-45.
Published
Refereed?: Yes, Open Access?: Yes

84. The ATLAS Collaboration. (2018). Measurement 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. 10(159)
Published
Refereed?: Yes, Open Access?: Yes
85. The ATLAS Collaboration. (2018). 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. 11(085)
Published
Refereed?: Yes, Open Access?: Yes
86. The ATLAS Collaboration. (2018). Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s} = 13$ GeV with ATLAS. Journal of High Energy Physics. 01(063)
Published
Refereed?: Yes, Open Access?: Yes
87. The ATLAS Collaboration. (2018). Search for heavy charged long-lived particles in proton-proton collisions at $\sqrt{s} = 13$ TeV using an ionization measurement with the ATLAS detector. Physics Letters B. 788: 96-116.
Published
Refereed?: Yes, Open Access?: Yes
88. The ATLAS Collaboration. (2018). Search for lepton-flavor-violating decays of the Z boson into a tau-lepton and a light lepton with the ATLAS detector. Physical Review D. 98: 092010.
Published
Refereed?: Yes, Open Access?: Yes
89. The ATLAS Collaboration. (2018). Constraints on off-shell Higgs boson production and the Higgs boson total width in $ZZ \rightarrow 4l$ and $ZZ \rightarrow 2l2\nu$ final state with the ATLAS detector. Physics Letters B. 786: 223-244.
Published
Refereed?: Yes, Open Access?: Yes
90. The ATLAS Collaboration. (2018). Measurement of the Higgs boson mass in the $H \rightarrow ZZ^* \rightarrow 4l$ and $H \rightarrow \gamma\gamma$ channels with $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Physics Letters B. 784: 345-366.
Published
Refereed?: Yes, Open Access?: Yes
91. The ATLAS Collaboration. (2018). Search for WW/WZ resonance production in $l\nu q\bar{q}$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 03(042)
Published
Refereed?: Yes, Open Access?: Yes
92. The ATLAS Collaboration. (2018). Measurement of quarkonium production in proton-lead and proton-proton at 5.02 TeV with the ATLAS detector. The European Physical Journal C. 78(171)
Published
Refereed?: Yes, Open Access?: Yes
93. The ATLAS Collaboration. (2018). Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Physical Review C. 98(044905)
Published
Refereed?: Yes, Open Access?: Yes
94. The ATLAS Collaboration. (2018). Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $?? \rightarrow b\bar{b}$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 783: 392-414.
Published
Refereed?: Yes, Open Access?: Yes

95. The ATLAS Collaboration. (2018). Measurement of differential cross sections of isolated-photon plus heavy-flavour jet production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Physics Letters B. 776: 295-317.
Published
Refereed?: Yes, Open Access?: Yes
96. The ATLAS Collaboration. (2018). Search for pair production of Higgsinos in final states with at least three b-tagged jets in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Physical Review D. 98(092002)
Published
Refereed?: Yes, Open Access?: Yes
97. The ATLAS Collaboraton. (2018). Measurement of the suppression and azimuthal anisotropy of muons from heavy-flavor decays in Pb+Pb collisions at $\sqrt{s}_{NN} = 2.76$ TeV with the ATLAS detector. Physical Review C. 98(044905)
Published
Refereed?: Yes, Open Access?: Yes
98. The ATLAS Collaboration. (2018). Search for darkmatter produced in association with bottom or top quarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. The European Physical Journal C. 78(18)
Published
Refereed?: Yes, Open Access?: Yes
99. The ATLAS Collaboration. (2018). 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. 09(050)
Published
Refereed?: Yes, Open Access?: Yes
100. The ATLAS Collaboration. (2018). Search for heavy ZZ and ZW resonances in $l\bar{l}q\bar{q}$ and $\nu\nu q\bar{q}$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 03(009)
Published
Refereed?: Yes, Open Access?: Yes
101. The ATLAS Collaboration. (2018). Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 78(102)
Published
Refereed?: Yes, Open Access?: Yes
102. The ATLAS Collaboration. (2018). Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ in the τ + jets and τ + lepton final states with 36 fb⁻¹ of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Journal of High Energy Physics. 09(139)
Published
Refereed?: Yes, Open Access?: Yes
103. The ATLAS Collaboration. (2018). Measurement of the production cross-section of a single top quark in association with a Z boson in proton-proton collisions at 13 TeV with the ATLAS detector. Physics Letters B. 780: 557-577.
Published
Refereed?: Yes, Open Access?: Yes
104. The ATLAS Collaboration. (2018). Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at E_{beam} = 4 TeV. Journal of Instrumentation. 13(P12006)
Published
Refereed?: Yes, Open Access?: Yes
105. The ATLAS Collaboration. (2018). Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. The European Journal of Physics C. 78(847)
Published
Refereed?: Yes, Open Access?: Yes

106. The ATLAS Collaboration. (2018). Evidence for the associated production of the Higgs boson and a top quark pair with the the ATLAS detector. Physical Review D. 97(072003)
Published
Refereed?: Yes, Open Access?: Yes
107. The ATLAS Collaboration. (2018). Search for resonant WZ production in the fully leptonic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 784: 68-88.
Published
Refereed?: Yes, Open Access?: Yes
108. The ATLAS Collaboration. (2017). Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. The European Physical Journal C. 77(490)
Published
Refereed?: Yes, Open Access?: Yes
109. The ATLAS Collaboration. (2017). Measurement of the ZZ production cross section in pp collisions at $\sqrt{s} = 8$ TeV using the ZZ $\rightarrow l^+ l^- l'^+ l'^-$ and ZZ $\rightarrow l^+ l^- \nu \bar{\nu}$ channels with the ATLAS detector. The European Physical Journal C. 77(141)
Published
Refereed?: Yes, Open Access?: Yes
110. The ATLAS Collaboration. (2017). Search for dark matter produced in association with a Higgs boson decaying to $b\bar{b}$ using 36 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters. 119(181804)
Published
Refereed?: Yes, Open Access?: Yes
111. The ATLAS Collaboration. (2017). Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. The European Physical Journal C. 77(898)
Published
Refereed?: Yes, Open Access?: Yes
112. The ATLAS Collaboration. (2017). Measurements of integrated and differential cross sections for isolated photon pair production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D. 95(112005)
Published
Refereed?: Yes, Open Access?: Yes
113. The ATLAS Collaboration. (2017). Measurement 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. 77(76)
Published
Refereed?: Yes, Open Access?: Yes
114. The ATLAS Collaboration. (2017). Jet reconstruction and performance using particle flow with the ATLAS detector. The European Physical Journal C. 77: 466.
Published
Refereed?: Yes, Open Access?: Yes
115. The ATLAS Collaboration. (2017). Probing the Wtb 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.
Published
Refereed?: Yes, Open Access?: Yes
116. The ATLAS Collaboration. (2017). Search for new phenomena in dijet events using 37 fb^{-1} of pp collisions data collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 96(052004)
Published
Refereed?: Yes, Open Access?: Yes

117. The ATLAS Collaboration. (2017). Measurement of the $WW/WZ \rightarrow l\nu qq'$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s} = 8$ TeV with ATLAS, and constraints on anomalous gauge couplings. The European Physical Journal C. 77(563)
Published
Refereed?: Yes, Open Access?: Yes
118. The ATLAS Collaboration. (2017). Measurement of jet pT correlations in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters B. 774: 379-402.
Published
Refereed?: Yes, Open Access?: No
119. The ATLAS Collaboration. (2017). Search for top quark decays $t \rightarrow qH$, with $H \rightarrow \gamma\gamma$, in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics. 10(129)
Published
Refereed?: Yes, Open Access?: Yes
120. The ATLAS Collaboration. (2017). Search for squarks and gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 96(112010)
Published
Refereed?: Yes, Open Access?: Yes
121. The ATLAS Collaboration. (2017). Measurement of the production cross section of a Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. The European Physical Journal C. 77(361)
Published
Refereed?: Yes, Open Access?: Yes
122. The ATLAS Collaboration. (2017). Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment at $\sqrt{s} = 13$ TeV proton-proton collision data. Journal of High Energy Physics. 09(088)
Published
Refereed?: Yes, Open Access?: Yes
123. The ATLAS Collaboration. (2017). Evidence for light-by-light scattering in heavy-ion collisions with the ATLAS detector at the LHC. Nature Physics. (NPHYS4208)
Published
Refereed?: Yes, Open Access?: Yes
124. The ATLAS Collaboration. (2017). Measurement of the W-boson mass in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. The European Physical Journal C. 78(110)
Published
Refereed?: Yes, Open Access?: Yes
125. The ATLAS Collaboration. (2017). Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead and proton-proton collisions with the ATLAS detector. Physical Review C. 95(064914)
Published
Refereed?: Yes, Open Access?: Yes
126. The ATLAS Collaboration. (2017). Measurement of the cross-section for electroweak production of dijets in association with a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 775: 206-228.
Published
Refereed?: Yes, Open Access?: Yes
127. The ATLAS Collaboration. (2017). Measurement of the W^+W^- production cross section in pp collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 733: 354-374.
Published
Refereed?: Yes, Open Access?: Yes

128. The ATLAS Collaboration. (2017). Measurements of $\psi(2S)$ and $X(3872) \rightarrow J/\psi \pi^+ \pi^-$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 01(117)
Published
Refereed?: Yes, Open Access?: Yes
129. The ATLAS Collaboration. (2017). 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. The European Physical Journal C. 77(531)
Published
Refereed?: Yes, Open Access?: Yes
130. The ATLAS Collaboration. (2017). 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. 11(195)
Published
Refereed?: Yes, Open Access?: Yes
131. The ATLAS Collaboration. (2017). Performance of the ATLAS transition radiation tracker in Run 1 of the LHC: tracker properties. Journal of Instrumentation. 77(361)
Published
Refereed?: Yes, Open Access?: Yes
132. The ATLAS Collaboration. (2017). High-ET isolated-photon plus jets production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Nuclear Physics B. 918(257)
Published
Refereed?: Yes, Open Access?: Yes
133. The ATLAS Collaboration. (2017). 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. 10(182)
Published
Refereed?: Yes, Open Access?: Yes
134. The ATLAS Collaboration. (2017). 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. 02(071)
Published
Refereed?: Yes, Open Access?: Yes
135. The ATLAS Collaboration. (2017). Studies of $Z\gamma$ 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. 07(107)
Published
Refereed?: Yes, Open Access?: Yes
136. The ATLAS Collaboration. (2017). Measurement of forward-backward multiplicity correlations in lead-lead, proton-lead and proton-proton collisions with the ATLAS detector. Physical Review C. 95(64914)
Published
Refereed?: Yes, Open Access?: Yes
137. The ATLAS Collaboration. (2017). Measurement of W^+W^- -vector-boson scattering and limits on anomalous quadratic gauge couplings with the ATLAS detector. Physical Review D. 96(012007)
Published
Refereed?: Yes, Open Access?: Yes
138. The ATLAS Collaboration. (2017). Search for heavy Higgs bosons A/H decaying to a top quark pair in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review Letters. 119(191803)
Published
Refereed?: Yes, Open Access?: Yes

139. The ATLAS Collaboration. (2017). Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 77(804)
Published
Refereed?: Yes, Open Access?: Yes
140. The ATLAS Collaboration. (2017). Search for new phenomena in high-mass diphoton final states using 37 fb^{-1} of proton-proton collisions collected at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 775: 105-125.
Published
Refereed?: Yes, Open Access?: Yes
141. The ATLAS Collaboration. (2017). Search for the dimuon decay of the Higgs boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters. 119(051802)
Published
Refereed?: Yes, Open Access?: Yes
142. The ATLAS Collaboration. (2017). Precision measurement and interpretation of inclusive W^+ , W^- and Z/γ^* production cross sections with the ATLAS detector. The European Physical Journal C. 77(367)
Published
Refereed?: Yes, Open Access?: Yes
143. The ATLAS Collaboration. (2017). Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+jets channel with ATLAS. The European Physical Journal C. 77(264)
Published
Refereed?: Yes, Open Access?: Yes
144. The ATLAS Collaboration. (2017). Measurements of long-range azimuthal anisotropies and associated Fourier coefficients for pp collisions at $\sqrt{s} = 5.02$ and 13 TeV and p+Pb collisions at $\sqrt{s_{NN}} = 5.02$ with the ATLAS detector. Physical Review C. 96(024908)
Published
Refereed?: Yes, Open Access?: Yes
145. The ATLAS Collaboration. (2017). Measurement of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics. 03(113)
Published
Refereed?: Yes, Open Access?: Yes
146. The ATLAS Collaboration. (2017). Measurement of the $t\bar{t}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 11(086)
Published
Refereed?: Yes, Open Access?: Yes
147. The ATLAS Collaboration. (2017). 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. 09(084)
Published
Refereed?: Yes, Open Access?: Yes
148. The ATLAS Collaboration. (2017). 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. 08(052)
Published
Refereed?: Yes, Open Access?: Yes
149. The ATLAS Collaboration. (2017). Study of ordered hadron chains with the ATLAS detector. Physical Review D. 96(092008)
Published
Refereed?: Yes, Open Access?: Yes

150. The ATLAS Collaboration. (2017). 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. 11(191)
Published
Refereed?: Yes, Open Access?: Yes
151. The ATLAS Collaboration. (2017). Study of $WW\gamma$ and $WZ\gamma$ production in pp collisions at $\sqrt{s} = 8$ TeV and search for anomalous quartic gauge couplings with the ATLAS experiment. The European Physical Journal C. 77(646)
Published
Refereed?: Yes, Open Access?: Yes
152. The ATLAS Collaboration. (2017). Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 12(085)
Published
Refereed?: Yes, Open Access?: Yes
153. The ATLAS Collaboration. (2017). Analysis of the Wtb vertex from 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. 12(017)
Published
Refereed?: Yes, Open Access?: Yes
154. The ATLAS Collaboration. (2017). Measurement of the prompt J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 77(76)
Published
Refereed?: Yes, Open Access?: Yes
155. The ATLAS Collaboration. (2017). Search for dark matter at $\sqrt{s} = 13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. The European Physical Journal C. 77(393)
Published
Refereed?: Yes, Open Access?: Yes
156. The ATLAS Collaboration. (2017). Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 09(118)
Published
Refereed?: Yes, Open Access?: Yes
157. The ATLAS Collaboration. (2017). Measurements of jet activity produced in top-quark events with an electron, a muon and two b-tagged jets in the final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 77(220)
Published
Refereed?: Yes, Open Access?: Yes
158. The ATLAS Collaboration. (2017). Determination of the strong coupling constant α_s from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8$ TeV using the ATLAS detector. The European Physical Journal C. 77(872)
Published
Refereed?: Yes, Open Access?: No
159. The ATLAS Collaboration. (2017). Measurement of the Drell-Yan triple-differential cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics. 12(059)
Published
Refereed?: Yes, Open Access?: Yes

160. The ATLAS Collaboration. (2017). Performance of the ATLAS trigger system in 2015. The European Physical Journal C. 77(317)
Published
Refereed?: Yes, Open Access?: Yes
161. The ATLAS Collaboration. (2017). Search for triboson $W^\pm W^\pm W^\mp$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 77(241)
Published
Refereed?: Yes, Open Access?: Yes
162. The ATLAS Collaboration. (2017). Measurement of top-quark pair differential cross-section in the $e\nu$ channel in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS. The European Physical Journal C. 77(292)
Published
Refereed?: Yes, Open Access?: Yes
163. The ATLAS Collaboration. (2017). Performance of the ATLAS track reconstruction algorithms in dense environments in LHC run 2. The European Physical Journal C. 77(673)
Published
Refereed?: Yes, Open Access?: Yes
164. The ATLAS Collaboration. (2017). Measurements of electroweak Wjj production and constraints on anomalous gauge couplings with the ATLAS detector. The European Physical Journal C. 77: 474.
Published
Refereed?: Yes, Open Access?: Yes
165. The ATLAS Collaboration. (2017). Measurement of the $t\bar{t}$ production cross section in the tau+jets final state in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Physical Review D. 95(072003)
Published
Refereed?: Yes, Open Access?: Yes
166. The ATLAS Collaboration. (2017). Evidence for the $H \rightarrow b\bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics. 12(024)
Published
Refereed?: Yes, Open Access?: Yes
167. The ATLAS Collaboration. (2017). Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 86(112004)
Published
Refereed?: Yes, Open Access?: Yes
168. The ATLAS Collaboration. (2017). Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 13$ TeV. The European Physical Journal C. 77(144)
Published
Refereed?: Yes, Open Access?: Yes
169. The ATLAS Collaboration. (2017). Search for pair production in 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. Journal of High Energy Physics. 10(141)
Published
Refereed?: Yes, Open Access?: Yes
170. The ATLAS Collaboration. (2017). Measurement of the kt splitting scales in $Z \rightarrow \ell\ell$ events in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 08(026)
Published
Refereed?: Yes, Open Access?: Yes

171. The ATLAS Collaboration. (2017). Measurement of jetfragmentation in Pb+Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLASdetector at the LHC. The European Physical Journal C. 77(379)
Published
Refereed?: Yes, Open Access?: Yes
172. The ATLAS Collaboration. (2017). Search for heavy resonances decaying to a W or Z boson and a Higgs boson in qqbar(')bbbar final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 774: 494-515.
Published
Refereed?: Yes, Open Access?: Yes
173. The ATLAS Collaboration. (2017). Search for direct top squark pair production in events with a Higgs or X boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics. 08(006)
Published
Refereed?: Yes, Open Access?: Yes
174. The ATLAS Collaboration. (2017). Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. The European Physical Journal C. 77(580)
Published
Refereed?: Yes, Open Access?: Yes
175. The ATLAS Collaboration. (2017). Measurement of b-hadron pair production with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics. 11(062)
Published
Refereed?: Yes, Open Access?: Yes
176. The ATLAS Collaboration. (2017). Search for the $Z\gamma$ 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. 10(112)
Published
Refereed?: Yes, Open Access?: Yes
177. The ATLAS Collaboration. (2017). Reconstruction of primary vertices at the ATLAS experiment in Run 1 proton-proton collisions at the LHC. The European Physical Journal C. 77(332)
Published
Refereed?: Yes, Open Access?: Yes
178. The ATLAS Collaboration. (2017). Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavor-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics. 12(034)
Published
Refereed?: Yes, Open Access?: Yes
179. The ATLAS Collaboration. (2017). Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4l$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 10(132)
Published
Refereed?: Yes, Open Access?: Yes
180. The ATLAS Collaboration. (2017). Jet energy scale measurement and their systematic uncertainties in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review E. 96(072002)
Published
Refereed?: Yes, Open Access?: Yes

181. The ATLAS Collaboration. (2017). Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. The European Physical Journal C. 77(765)
Published
Refereed?: Yes, Open Access?: Yes
182. The ATLAS Collaboration. (2017). Study of the material of the ATLAS inner detector for Run 2 of the LHC. Journal of Instrumentation. 12(P12009)
Published
Refereed?: Yes, Open Access?: Yes
183. The ATLAS Collaboration. (2017). Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 09(020)
Published
Refereed?: Yes, Open Access?: Yes
184. The ATLAS Collaboration. (2017). Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. The European Physical Journal C. 77(195)
Published
Refereed?: Yes, Open Access?: Yes
185. The ATLAS Collaboration. (2017). Femtoscopy with identified charged pions in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV with ATLAS. Physical Review C. 96(064908)
Published
Refereed?: Yes, Open Access?: Yes
186. The ATLAS Collaboration. (2017). 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. 03(147)
Published
Refereed?: Yes, Open Access?: Yes
187. The ATLAS Collaboration. (2016). Search for new phenomena in events with at least three photons collected in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 76(4): 1-26.
Published
Refereed?: Yes, Open Access?: Yes
188. The ATLAS Collaboration. (2016). Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. The European Physical Journal C. 76(666)
Published
Refereed?: Yes, Open Access?: Yes
189. The ATLAS Collaboration. (2016). Dijet production in $\sqrt{s} = 7$ TeV pp collisions with large rapidity gaps at the ATLAS experiment. Physics Letters B. 745: 214-234.
Published
Refereed?: Yes, Open Access?: Yes
190. The ATLAS Collaboration. (2016). Measurement of exclusive $\gamma\gamma \rightarrow W^+W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Physical Review D. 94(032011)
Published
Refereed?: Yes, Open Access?: Yes
191. The ATLAS Collaboration. (2016). Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. The European Physical Journal C. 76(605)
Published
Refereed?: Yes, Open Access?: Yes

192. The ATLAS Collaboration. (2016). Measurements of Zgamma and Zgammagamma production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D. 95(112002)
Published
Refereed?: Yes, Open Access?: Yes
193. The ATLAS Collaboration. (2016). Search for TeV-scale gravity signatures in high-mass final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 13$ TeV. Physics Letters B. 760: 520-537.
Published
Refereed?: Yes, Open Access?: Yes
194. The ATLAS Collaboration. (2016). Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in $\sqrt{s_{NN}} = 5.02$ TeV p+Pb collisions measured by the ATLAS experiment. Physics Letters B. 763: 313-336.
Published
Refereed?: Yes, Open Access?: Yes
195. The ATLAS Collaboration. (2016). Search for minimal supersymmetric standard model Higgs boson H/A and for a Z' boson in the $\tau\tau$ final state produced in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C. 76(585)
Published
Refereed?: Yes, Open Access?: Yes
196. The ATLAS Collaboration. (2016). Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. The European Physical Journal C. 77(70)
Published
Refereed?: Yes, Open Access?: Yes
197. The ATLAS Collaboration. (2016). Search for the standard model Higgs boson produced in vector-boson fusion at $\sqrt{s} = 8$ TeV pp collisions and decaying to bottom quarks with the ATLAS detector. Journal of High Energy Physics. 11(112)
Published
Refereed?: Yes, Open Access?: Yes
198. The ATLAS Collaboration. (2016). Search for bottom squark pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 76(547)
Published
Refereed?: Yes, Open Access?: Yes
199. The ATLAS Collaboration. (2016). Measurement of the correlations between the polar angles of leptons from top quarks decays in the helicity bases at $\sqrt{s} = 7$ TeV using the ATLAS experiment. Physical Review D. 93(012002)
Published
Refereed?: Yes, Open Access?: Yes
200. The ATLAS Collaboration. (2016). Search for the Standard Model Higgs boson decaying into bbbbar 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. 05(160)
Published
Refereed?: Yes, Open Access?: Yes
201. The ATLAS Collaboration. (2016). Measurement of exclusive $\gamma\gamma \rightarrow W^+W^-$ production and search for exclusive Higgs boson production in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Physical Review D. 94(032011)
Published
Refereed?: Yes, Open Access?: Yes

202. The ATLAS Collaboration. (2016). Search for heavydiboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 09(173)
Published
Refereed?: Yes, Open Access?: Yes
203. The ATLAS Collaboration. (2016). 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 with the ATLAS detector. The European Physical Journal C. 76(87)
Published
Refereed?: Yes, Open Access?: Yes
204. The ATLAS Collaboration. (2016). Search for newphenomena in different-flavour high-mass dilepton final states in pp collisionsat $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 76(541)
Published
Refereed?: Yes, Open Access?: Yes
205. The ATLAS Collaboration. (2016). Search for flavor-changing neutral current top-quark decays to qZ in pp collision data collected with the ATLAS detector at $\sqrt{s} = 8$ TeV. The European Physical Journal C. 76(12)
Published
Refereed?: Yes, Open Access?: Yes
206. The ATLAS Collaboration. (2016). Search for charged Higgs bosons in the $H^+ \rightarrow tb$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Journal of High Energy Physics. 03: 127.
Published
Refereed?: Yes, Open Access?: Yes
207. The ATLAS Collaboration. (2016). Measurement of the charge asymmetry in highly boosted to-quark pair production in $\sqrt{s} = 8$ TeV pp collision data collected by the ATLAS experiment. Physics Letters B. 756: 52-71.
Published
Refereed?: Yes, Open Access?: Yes
208. The ATLAS Collaboration. (2016). Search for dark matter produced in association with a hadronically decaying vector boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 763: 251-268.
Published
Refereed?: Yes, Open Access?: Yes
209. The ATLAS Collaboration. (2016). Measurement of jet charge in dijet events from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Physical Review D. 93(052003)
Published
Refereed?: Yes, Open Access?: Yes
210. The ATLAS Collaboration. (2016). Measurements oftop-quark pair differential cross-sections in the lepton +jets channel in ppcollisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. The European Physical Journal C. 76(538)
Published
Refereed?: Yes, Open Access?: Yes
211. The ATLAS Collaboration. (2016). Search for Higgs andZ boson decay in $\phi\gamma$ with the ATLAS detector. Physical Review Letters. 117(111802)
Published
Refereed?: Yes, Open Access?: Yes
212. The ATLAS Collaboration. (2016). Study of harddouble-parton scattering in four-jet events in pp collisions at $\sqrt{s} = 7$ TeVwith the ATLAS experiment. Journal of High Energy Physics. 11(110)
Published
Refereed?: Yes, Open Access?: Yes

213. The ATLAS Collaboration. (2016). Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run-1 data. The European Physical Journal C. 76(66)
Published
Refereed?: Yes, Open Access?: Yes
214. The ATLAS Collaboration. (2016). Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 762: 334-352.
Published
Refereed?: Yes, Open Access?: Yes
215. The ATLAS Collaboration. (2016). Measurement of the charged-particle multiplicity inside jets from $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. The European Physical Journal C. 76(322)
Published
Refereed?: Yes, Open Access?: Yes
216. The ATLAS Collaboration. (2016). Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. New Journal of Physics. 18(093016)
Published
Refereed?: Yes, Open Access?: Yes
217. The ATLAS Collaboration. (2016). Measurements of fiducial cross-sections for ttbar production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 76(11)
Published
Refereed?: Yes, Open Access?: Yes
218. The ATLAS Collaboration. (2016). Measurement of total and differential W^+W^- production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge boson couplings. Journal of High Energy Physics. 09(29)
Published
Refereed?: Yes, Open Access?: Yes
219. The ATLAS Collaboration. (2016). Measurement of the CP-violating phase ϕ_s and the B_s^0 meson decay width difference with $B_s^0 \rightarrow J/\psi \phi$ decays in ATLAS. Journal of High Energy Physics. 08(147)
Published
Refereed?: Yes, Open Access?: Yes
220. The ATLAS Collaboration. (2016). Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. The European Physical Journal C. 77(70)
Published
Refereed?: Yes, Open Access?: Yes
221. The ATLAS Collaboration. (2016). Study of hard double-parton scattering in four jet events in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Journal of High Energy Physics. 11(110)
Published
Refereed?: Yes, Open Access?: Yes
222. The ATLAS Collaboration. (2016). Measurement of the total and differential W^+W^- production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge boson couplings. Journal of High Energy Physics. 09(29)
Published
Refereed?: Yes, Open Access?: Yes
223. The ATLAS Collaboration. (2016). Search for single production of a vector-like quark decaying to Wb in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 76(442)
Published
Refereed?: Yes, Open Access?: Yes

224. The ATLAS Collaboration. (2016). Study of the rare decays of B_s^0 and B^0 into muon pairs from data collected during the LHC Run 1 with the ATLAS detector. The European Physical Journal. 76(513)
Published
Refereed?: Yes, Open Access?: Yes
225. The ATLAS Collaboration. (2016). Measurement of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics. 08(045)
Published
Refereed?: Yes, Open Access?: Yes
226. The ATLAS Collaboration. (2016). Measurement of charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D.
Published
Refereed?: Yes, Open Access?: Yes
227. The ATLAS Collaboration. (2016). 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. The European Physical Journal C. 76(658)
Published
Refereed?: Yes, Open Access?: Yes
228. The ATLAS Collaboration. (2016). Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions using the ATLAS detector. Physical Review D. 93(032009)
Published
Refereed?: Yes, Open Access?: Yes
229. The ATLAS Collaboration. (2016). Measurement of W^{+-} and Z-boson production cross sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 759: 601-621.
Published
Refereed?: Yes, Open Access?: Yes
230. The ATLAS Collaboration. (2016). Measurement of the $t\bar{t}$ production cross-section using $e\mu$ events with b-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 761: 136-157.
Published
Refereed?: Yes, Open Access?: Yes
231. The ATLAS Collaboration. (2016). Search for supersymmetry at $\sqrt{s} = 13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. The European Physical Journal C. 76(259)
Published
Refereed?: Yes, Open Access?: Yes
232. The ATLAS Collaboration. (2016). Search for pair production of Higgs bosons in the $b\bar{b}b\bar{b}$ final state using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D. 94(052002)
Published
Refereed?: Yes, Open Access?: Yes
233. The ATLAS Collaboration. (2016). Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. The European Physical Journal C. 76(292)
Published
Refereed?: Yes, Open Access?: Yes
234. The ATLAS Collaboration. (2016). Measurement of the CP-violating phase ϕ_s and the B_s^0 meson decay width difference with $B_s^0 \rightarrow J/\psi \phi$ decays in ATLAS. Journal of High Energy Physics. 08(147)
Published
Refereed?: Yes, Open Access?: Yes

235. The ATLAS Collaboration. (2016). Measurement of the ZZ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters. 116: 101801.
Published
Refereed?: Yes, Open Access?: Yes
236. The ATLAS Collaboration. (2016). Measurement of topquark pair differential cross-sections in the dilepton channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS. Physical Review D. 94(092003)
Published
Refereed?: Yes, Open Access?: Yes
237. The ATLAS Collaboration. (2016). 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. The European Physical Journal C. 76(683)
Published
Refereed?: Yes, Open Access?: Yes
238. The ATLAS Collaboration. (2016). 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. 01(032)
Published
Refereed?: Yes, Open Access?: Yes
239. The ATLAS Collaboration. (2016). 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. The European Physical Journal C. 76(658)
Published
Refereed?: Yes, Open Access?: Yes
240. The ATLAS Collaboration. (2016). A search for an excited muon decaying to a muon and two jets in p collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. New Journal of Physics. 18(73021)
Published
Refereed?: Yes, Open Access?: Yes
241. The ATLAS Collaboration. (2016). Dark matter interactions of ATLAS searches for the electroweak production in supersymmetric particles in $\sqrt{s} = 8$ TeV proton-proton collisions. Journal of High Energy Physics. 09(175)
Published
Refereed?: Yes, Open Access?: Yes
242. The ATLAS Collaboration. (2016). Search for new resonances decaying to a W or Z boson and a Higgs boson in $l+l-b\bar{b}$, $l\nu b\bar{b}$, and $\nu\bar{\nu} b\bar{b}$ channels with pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 765: 32-52.
Published
Refereed?: Yes, Open Access?: Yes
243. The ATLAS Collaboration. (2016). Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 09(001)
Published
Refereed?: Yes, Open Access?: Yes
244. The ATLAS Collaboration. (2016). Search for single top-quark production via flavor changing neutral currents at 8 TeV with the ATLAS detector. The European Physical Journal C. 76(55)
Published
Refereed?: Yes, Open Access?: Yes
245. The ATLAS Collaboration. (2016). Search for heavy diboson resonances in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 09(173)
Published
Refereed?: Yes, Open Access?: Yes

246. The ATLAS Collaboration. (2016). Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 762: 334-352.
Published
Refereed?: Yes, Open Access?: Yes
247. The ATLAS Collaboration. (2016). Search for new phenomena in final states with energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physical Review D. 94(032005)
Published
Refereed?: Yes, Open Access?: Yes
248. The ATLAS Collaboration. (2016). Measurement of the transverse momentum and ϕ_{eta^*} distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 76(291)
Published
Refereed?: Yes, Open Access?: Yes
249. The ATLAS Collaboration. (2016). Search for Higgs and Z boson decay in $\phi\gamma$ with the ATLAS detector. Physics Letters B. 117(111802)
Published
Refereed?: Yes, Open Access?: Yes
250. The ATLAS Collaboration. (2016). Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. The European Physical Journal C. 76(295)
Published
Refereed?: Yes, Open Access?: Yes
251. The ATLAS Collaboration. (2016). Search for the electroweak production of supersymmetric particles in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Physical Review D. 93(052002)
Published
Refereed?: Yes, Open Access?: Yes
252. The ATLAS Collaboration. (2016). Measurement of the W+-Z boson pair-production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 762: 1-22.
Published
Refereed?: Yes, Open Access?: Yes
253. The ATLAS Collaboration. (2016). 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. The European Physical Journal C.
Published
Refereed?: Yes, Open Access?: Yes
254. The ATLAS Collaboration. (2016). Search for metastable heavy charged particles in large ionization energy loss in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physical Review D. 93(112015)
Published
Refereed?: Yes, Open Access?: Yes
255. The ATLAS Collaboration. (2016). Measurement of the Higgs boson production and decay rates and constraints on its couplings from a combined ATLAS and CMS analysis of the LHC pp collision data at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics. 08(045)
Published
Refereed?: Yes, Open Access?: Yes

256. The ATLAS Collaboration. (2016). Evidence for single top-quark production in the s-channel in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector using the Matrix Element Method. Physics Letters B. 754: 228-246.
Published
Refereed?: Yes, Open Access?: Yes
257. The ATLAS Collaboration. (2016). 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. 02(110)
Published
Refereed?: Yes, Open Access?: Yes
258. The ATLAS Collaboration. (2016). Measurement of top quark pair differential cross-sections in the dilepton channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV with ATLAS. Physical Review D. 94(092003)
Published
Refereed?: Yes, Open Access?: Yes
259. The ATLAS Collaboration. (2016). Search for darkmatter produced in association with a hadronically decaying vector boson in ppcollisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 763: 251-268.
Published
Refereed?: Yes, Open Access?: Yes
260. The ATLAS Collaboration. (2016). Measurement of the top quark mass in $t\bar{t}$ dilepton channel from $\sqrt{s} = 8$ TeV ATLAS data. Physics Letters B. 761(150-171)
Published
Refereed?: Yes, Open Access?: Yes
261. The ATLAS Collaboration. (2016). 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. 01(172)
Published
Refereed?: Yes, Open Access?: Yes
262. The ATLAS Collaboration. (2016). Search for states with energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physical Review D. 94(032006)
Published
Refereed?: Yes, Open Access?: Yes
263. The ATLAS Collaboration. (2016). 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. 08(009)
Published
Refereed?: Yes, Open Access?: Yes
264. The ATLAS Collaboration. (2016). Transverse momentum, rapidity, and centrality dependence of inclusive charged-particle production in $\sqrt{s_{NN}} = 5.02$ TeV p+Pb collisions measured by the ATLAS experiment. Physics Letters B. 763: 313-336.
Published
Refereed?: Yes, Open Access?: Yes
265. The ATLAS Collaboration. (2016). Search for anomalous electroweak production of WW/WZ in association with a high-mass dijet system in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters B. 765: 11-31.
Published
Refereed?: Yes, Open Access?: Yes
266. The ATLAS Collaboration. (2016). Measurement of W^+W^- production in association with one jet in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters B. 763: 114-133.
Published
Refereed?: Yes, Open Access?: Yes

267. The ATLAS Collaboration. (2016). Search for scalar leptoquarks in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. New Journal of Physics. 18(093016)
Published
Refereed?: Yes, Open Access?: Yes
268. The ATLAS Collaboration. (2016). Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $\sqrt{s} = 13$ TeV with pp collisions with the ATLAS detector. Physical Review D. 94(052009)
Published
Refereed?: Yes, Open Access?: Yes
269. The ATLAS Collaboration. (2016). Search for single production of a vector-like quark via a heavy gluon in the 4b final state with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters B. 758: 249-268.
Published
Refereed?: Yes, Open Access?: Yes
270. The ATLAS Collaboration. (2016). Search for new phenomena in dijet mass and angular distributions from pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 754: 302-322.
Published
Refereed?: Yes, Open Access?: Yes
271. The ATLAS Collaboration. (2016). Centrality, rapidity and transverse momentum dependence of isolated prompt photon production in lead-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV measured with the ATLAS detector. Physical Review C. 93(034914)
Published
Refereed?: Yes, Open Access?: Yes
272. The ATLAS Collaboration. (2016). Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. The European Physical Journal C. 76(403)
Published
Refereed?: Yes, Open Access?: Yes
273. The ATLAS Collaboration. (2016). Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. The European Physical Journal C. 76(581)
Published
Refereed?: Yes, Open Access?: Yes
274. The ATLAS Collaboration. (2016). Performance of pile-up mitigation techniques for jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. The European Physical Journal C. 76(581)
Published
Refereed?: Yes, Open Access?: Yes
275. The ATLAS Collaboration. (2016). Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. The European Physical Journal C.
Submitted
Refereed?: Yes, Open Access?: Yes
276. The ATLAS Collaboration. (2016). Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal. 76(565)
Published
Refereed?: Yes, Open Access?: Yes
277. The ATLAS Collaboration. (2016). Measurements of the top-quark pair differential cross-sections in the lepton-jets channel in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. The European Physical Journal C. 76(538)
Published
Refereed?: Yes, Open Access?: Yes

278. The ATLAS Collaboration. (2016). Search for resonances in diphoton events at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics. 09(001)
Published
Refereed?: Yes, Open Access?: Yes
279. The ATLAS Collaboration. (2016). 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. The European Physical Journal C. 76: 81.
Published
Refereed?: Yes, Open Access?: Yes
280. The ATLAS Collaboration. (2016). Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s} = 8$ TeV. The European Physical Journal C. 76(3): 1-47.
Published
Refereed?: Yes, Open Access?: Yes
281. The ATLAS Collaboration. (2016). Charged-particle distributions at low transverse momentum in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. The European Physical Journal C. 76(502)
Published
Refereed?: Yes, Open Access?: Yes
282. The ATLAS Collaboration. (2016). Measurement of the relative width difference of the B^0 - B^0 bar system with the ATLAS detector. Journal of High Energy Physics. 06(081): 39.
Published
Refereed?: Yes, Open Access?: Yes
283. The ATLAS Collaboration. (2016). Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. The European Physical C. 76(605)
Published
Refereed?: Yes, Open Access?: Yes
284. The ATLAS Collaboration. (2016). Measurement of W^+W^- production in association with one jet in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters B. 763: 114-133.
Published
Refereed?: Yes, Open Access?: Yes
285. The ATLAS Collaboration. (2016). A measurement of calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC run-1 pp-collision data with the ATLAS detector. The European Physical Journal C. 77(26)
Published
Refereed?: Yes, Open Access?: Yes
286. The ATLAS Collaboration. (2016). Measurements of four-lepton production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters B. 753: 552-572.
Published
Refereed?: Yes, Open Access?: Yes
287. The ATLAS Collaboration. (2016). Search for new phenomena in final states with large jet multiplicities and missing transverse momentum with ATLAS using $\sqrt{s} = 13$ TeV proton-proton collisions. Physics Letters B. 757: 334-355.
Published
Refereed?: Yes, Open Access?: Yes
288. The ATLAS Collaboration. (2016). Probing lepton flavor violation via neutrinoless tau $\rightarrow 3\mu$ decays with the ATLAS detector. The European Physical Journal C. 76(232)
Published
Refereed?: Yes, Open Access?: Yes

289. The ATLAS Collaboration. (2016). Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s} = 13$ TeV pp with the ATLAS detector. Physics Letters B. 761: 372-292.
Published
Refereed?: Yes, Open Access?: Yes
290. The ATLAS Collaboration. (2016). Search for high-mass new phenomena in the dilepton final state using proton-proton collisions at $\sqrt{s} = 13$ TeV pp with the ATLAS detector. Physics Letters B. 761: 372-392.
Published
Refereed?: Yes, Open Access?: Yes
291. The ATLAS Collaboration. (2016). Measurement of $W+Z$ production cross sections in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous gauge boson self-couplings. Physical Review D. 93(092004)
Published
Refereed?: Yes, Open Access?: Yes
292. The ATLAS Collaboration. (2016). 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. 03: 041.
Published
Refereed?: Yes, Open Access?: Yes
293. The ATLAS Collaboration. (2016). Measurement of the $t\bar{t}Z$ and $t\bar{t}W$ production cross sections in multilepton final states using 3.2 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. The European Physical Journal C. 76(653)
Published
Refereed?: Yes, Open Access?: Yes
294. The ATLAS Collaboration. (2016). Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. The European Physical Journal C. 76(1): 1-28.
Published
Refereed?: Yes, Open Access?: Yes
295. The ATLAS Collaboration. (2016). Measurement of the total cross section for elastic scattering in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters B. 761: 158-178.
Published
Refereed?: Yes, Open Access?: Yes
296. The ATLAS Collaboration. (2016). A measurement of material in the ATLAS tracker using secondary hadronic interactions in 7 TeV pp collisions. Journal of Instrumentation. 04(086)
Published
Refereed?: Yes, Open Access?: Yes
297. The ATLAS Collaboration. (2016). Performance of b-jet identification in the ATLAS experiment. Journal of Instrumentation. 11(P04008)
Published
Refereed?: Yes, Open Access?: Yes
298. The ATLAS Collaboration. (2016). Identification of high transverse momentum top quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics. 06(093): 81.
Published
Refereed?: Yes, Open Access?: Yes
299. The ATLAS Collaboration. (2016). Search for heavy long-lived charged R-hadrons with the ATLAS detector in 3.2 fb^{-1} of proton-proton collision data at $\sqrt{s} = 13$ TeV. Physics Letters B. 760: 647-665.
Published
Refereed?: Yes, Open Access?: Yes

300. The ATLAS Collaboration. (2016). Charged-particle distributions in pp interactions at $\sqrt{s} = 8$ TeV measured with the ATLAS detector at the LHC. The European Physical Journal C. 76(403)
Published
Refereed?: Yes, Open Access?: Yes
301. The ATLAS Collaboration. (2016). Measurement of the $t\bar{t}$ production cross-section using emu events with b-tagged jets in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physics Letters B. 761: 135-157.
Published
Refereed?: Yes, Open Access?: Yes
302. The ATLAS Collaboration. (2016). The performance of the jet trigger for the ATLAS detector during 2011 data taking. The European Physical Journal C. 76(526)
Published
Refereed?: Yes, Open Access?: Yes
303. The ATLAS Collaboration. (2016). Charged-particle distributions in $\sqrt{s} = 13$ TeV pp interactions measured with the ATLAS detector at the LHC. Physics Letters B. 758: 67-88.
Published
Refereed?: Yes, Open Access?: Yes

Reports

1. A. Butt, M. Cardaci, P. Czodrowski, J. Dassoulas, Y. Davygora, E. Duchovni, D.M. Gingrich, M. Kaneda, I. Roth, A. Saddique, H.S. Subramania, D. Turgeman, F. Vives Vaque, K. Want, A. Warburton. (2015). Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV, ATL-COM-PHYS-2014-674. 207. Centre Européen de recherches nucléaires
2. J. Alison, B. Amadio, P. Bryant, P. Czodrowski, J. Dandoy, J. Dassoulas, J. Dickinson, E. Duchovni, J. Frost, D. Gingrich, I. Hinchliffe, N. Shalimov, M. Shapiro, M. Shochet, M. Silva, D. Turgeman, H. Wang, K. Wang, A. Warburton. (2015). Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 13$ TeV, ATL-COM-PHYS-2015-1290. 125. Centre Européen de recherches nucléaires
3. The ATLAS Collaboration. (2015). Search for evidence for strong gravity in jet final states produced in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector at the LHC, ATLAS-CONF-2015-043. 18. Centre Européen de recherches nucléaires
4. The ATLAS Collaboration. (2015). Search for beyond the Standard Model phenomena in emu final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector, ATLAS-CONF-2015-072. 19. Centre Européen de recherches nucléaires
5. J. Beringer, L. Carminati, M.H. Genest, D.M. Gingrich, D. Nole, Y. Okumura, R. Turra, M. Villaplana. (2015). Search for new physics in photon+jet final states at 13 TeV, ATL-COM-PHYS-2015-606. 92. Centre Européen de recherches nucléaires
6. Nathan Bernard , German Colon , Carlo Dallapiccola , James Frost , Douglas M. Gingrich , Thibaut Mueller , Andy Parker , Daniel Ventura. (2014). Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV, ATL-COM-PHYS-2012-1757. 144. Centre Européen de recherches nucléaires
7. The ATLAS Collaboration. (2013). Search for dark matter pair production in events with a hadronically decaying W or Z boson and missing transverse momentum in pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector, ATLAS-CONF-2013-073. 16. Centre Européen de recherches nucléaires
8. Belanger-Champagne, Gingrich, Keyes, Spreitzer, Vives, Warburton, Yarkoni. (2013). Search for Physics Beyond the Standard Model in gamma+jet Production in 2012 ATLAS Data Belanger-Champagne, Gingrich, Keyes, Spreitzer, Vives, Warburton, Yarkoni ATL-PHYS-INT-2013-025. 155. Centre Européen de recherches nucléaires

9. The ATLAS Collaboration. (2013). Search for new phenomena in photon+jet events collected in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector, ATLAS-CONF-2013-59. 14. Centre Européen de recherches nucléaires

Conference Publications

1. The ATLAS Collaboration. (2015). Search for new physics in dijet resonant signatures and recent results from run 2 with the ATLAS experiment. ISBN: 978-5-86763-405-6. LHCP2015 - Large Hadron Collider Physics Conference, St. Petersburg, Russian Federation
Conference Date: 2015/9
Paper
Published
Refereed?: Yes, Invited?: Yes