RESEARCH & PUBLICATIONS

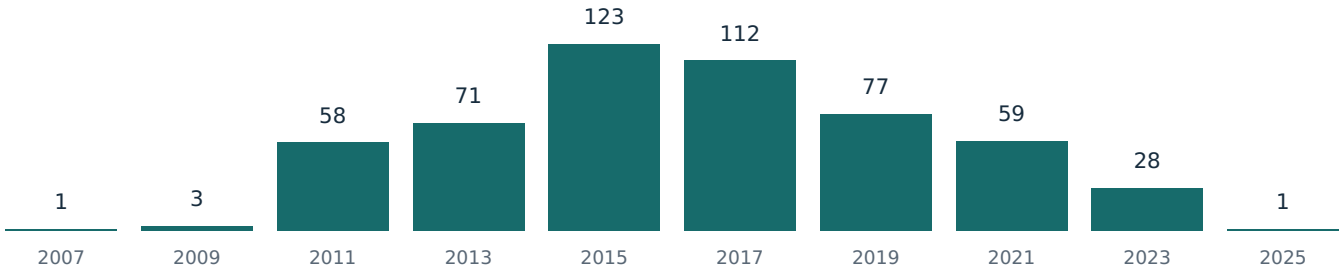
Dugan Clive O'Neil

A publication record at a glance

533	36,719	93
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



MOST CITED IN THIS LIST

The ATLAS Simulation Infrastructure — 1,521
2010 European Physical Journal C

Performance of the ATLAS Trigger System in 2015 — 788
2017 European Physical Journal C

Muon Reconstruction Performance of the ATLAS Detector in Proton–Proton Collision Data at √s s =13 TeV — 593
2016 European Physical Journal C

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2025

01 Measurements of W+W− Production Cross-Sections in Pp Collisions at √s=13 TeV With the ATLAS Detector

3 citations

Journal of High Energy Physics · 2025, 142

https://exaly.com/article/204535551

2024

02 A Precise Measurement of the Z-Boson Double-Differential Transverse Momentum and Rapidity Distributions in the Full Phase Space of the Decay Leptons With the ATLAS Experiment at √s=8 TeV

21 citations

European Physical Journal C · 84, 1-41

https://exaly.com/article/177259158

03 Search for Leptoquark Pair Production Decaying Into $Te^{-}\bar{T}e^{+}$ or $T\mu^{-}\bar{T}\mu^{+}$ in Multi-Lepton Final States in Pp Collisions at √s = 13TeV With the ATLAS Detector

9 citations

European Physical Journal C · 84, 1-40

https://exaly.com/article/188294250

2023

04 Measurement of the Nuclear Modification Factor of b-Jets in 5.02 TeV Pb+Pb Collisions With the ATLAS Detector

21 citations

European Physical Journal C · 83, 1-32

https://exaly.com/article/163369101

05 Observation of Four-Top-Quark Production in the Multilepton Final State With the ATLAS Detector

90 citations

European Physical Journal C · 83, 1-35

https://exaly.com/article/163807395

06 Constraints on Spin-0 Dark Matter Mediators and Invisible Higgs Decays Using ATLAS 13 TeV Pp Collision Data With Two Top Quarks and Missing Transverse Momentum in the Final State

23 citations

European Physical Journal C · 83, 1-35

https://exaly.com/article/163832680

07 Searches for New Phenomena in Events With Two Leptons, Jets, and Missing Transverse Momentum in 139 Fb $^{-1}$ of \varvec{\sqrt{s}}=13 TeV \varvec{Pp} Collisions With the ATLAS Detector

56 citations

European Physical Journal C · 83, 1-52

https://exaly.com/article/163999304

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08 Measurements of Observables Sensitive to Colour Reconnection in Tt̄ Events With the ATLAS Detector at √s = 13 TeV

7 citations

European Physical Journal C · 83, 1-52

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09 Search for Higgs Boson Pair Production in Association With a Vector Boson in Pp Collisions at √s=13TeV With the ATLAS Detector

20 citations

European Physical Journal C · 83, 1-41

https://exaly.com/article/164043382

10 Measurement of the Total Cross Section and ρ -Parameter From Elastic Scattering in Pp Collisions at √s=13 TeV With the ATLAS Detector

42 citations

European Physical Journal C · 83, 1-49

https://exaly.com/article/164618274

11 Measurement of Zγ γ Production in Pp Collisions at √s= 13 TeV With the ATLAS Detector

18 citations

European Physical Journal C · 83, 1-30

https://exaly.com/article/164733734

12 Measurement of the CP Properties of Higgs Boson Interactions With τ -Leptons With the ATLAS Detector

39 citations

European Physical Journal C · 83, 1-30

https://exaly.com/article/164863786

13 Search for Supersymmetry in Final States With Missing Transverse Momentum and Three or More b-Jets in 139 Fb $^{-1}$ of Proton–Proton Collisions at √s = 13 TeV With the ATLAS Detector

36 citations

European Physical Journal C · 83, 1-41

https://exaly.com/article/164870781

14 Search for Doubly Charged Higgs Boson Production in Multi-Lepton Final States Using 139 Fb $^{-1}$ of Proton–Proton Collisions at √s = 13 TeV With the ATLAS Detector

55 citations

European Physical Journal C · 83, 1-32

https://exaly.com/article/165111227

15 Search for Dark Matter Produced in Association With a Single Top Quark and an Energetic W Boson in √s= 13 TeV Pp Collisions With the ATLAS Detector

13 citations

European Physical Journal C · 83, 1-38

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16 Measurement of Exclusive Pion Pair Production in Proton–Proton Collisions at √s=7TeV With the ATLAS Detector

4 citations

European Physical Journal C · 83, 1-28

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17 Search for Resonant WZ Production in the Fully Leptonic Final State in Proton–Proton Collisions at √s = 13 TeV With the ATLAS Detector
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18 Studies of the Muon Momentum Calibration and Performance of the ATLAS Detector With Pp Collisions at √s=13 TeV
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European Physical Journal C · 83, 1-37
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19 New Techniques for Jet Calibration With the ATLAS Detector
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20 Measurements of W^+W^- Production in Decay Topologies Inspired by Searches for Electroweak Supersymmetry
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21 Search for Pair-Produced Vector-Like Top and Bottom Partners in Events With Large Missing Transverse Momentum in Pp Collisions With the ATLAS Detector
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European Physical Journal C · 83, 1-31
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22 Searches for Exclusive Higgs and Z Boson Decays Into a Vector Quarkonium State and a Photon Using 139 Fb $^{-1}$ of ATLAS √s=13 TeV Proton–Proton Collision Data
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23 Calibration of the Light-Flavour Jet Mistagging Efficiency of the b-Tagging Algorithms With Z+Jets Events Using 139 $(Fb)^{-1}$ of ATLAS Proton–Proton Collision Data at √s = 13 TeV
97 citations
European Physical Journal C · 83, 1-30
https://exaly.com/article/169421273

24 Measurements of Differential Cross Sections of Higgs Boson Production Through Gluon Fusion in the H→ WW^(*)→ Eν μ ν Final State at √s = 13 TeV With the ATLAS Detector
11 citations
European Physical Journal C · 83, 1-40
https://exaly.com/article/169538242

25 Search for Pair Production of Third-Generation Leptoquarks Decaying Into a Bottom Quark and a τ -Lepton With the ATLAS Detector
27 citations
European Physical Journal C · 83, 1-35
https://exaly.com/article/172917361

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26 Performance of the Reconstruction of Large Impact Parameter Tracks in the Inner Detector of ATLAS

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https://exaly.com/article/172978344

27 Search for Heavy Majorana or Dirac Neutrinos and Right-Handed W Gauge Bosons in Final States With Charged Leptons and Jets in Pp Collisions at √s=13 TeV With the ATLAS Detector

36 citations

European Physical Journal C · 83, 1-35

https://exaly.com/article/174088556

28 Luminosity Determination in Pp Collisions at √s=13 TeV Using the ATLAS Detector at the LHC

221 citations

European Physical Journal C · 83, 1-67

https://exaly.com/article/174924680

29 Tools for Estimating Fake/Non-Prompt Lepton Backgrounds With the ATLAS Detector at the LHC

22 citations

Journal of Instrumentation · 18, T11004

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2022

30 Emulating the Impact of Additional Proton–Proton Interactions in the ATLAS Simulation by Presampling Sets of Inelastic Monte Carlo Events

22 citations

Computing and Software for Big Science · 6, 1-35

https://exaly.com/article/124984219

31 Performance of the ATLAS Level-1 Topological Trigger in Run 2

24 citations

European Physical Journal C · 82, 1-26

https://exaly.com/article/125123020

32 Measurement of the c-Jet Mistagging Efficiency in $t\bar{t}$ Events Using Pp Collision Data at √s=13 TeV Collected With the ATLAS Detector

122 citations

European Physical Journal C · 82, 1-27

https://exaly.com/article/125173388

33 Search for Exotic Decays of the Higgs Boson Into b $\bar{b}$ and Missing Transverse Momentum in Pp Collisions at √s = 13 TeV With the ATLAS Detector

2 citations

Journal of High Energy Physics · 2022, 1-38

https://exaly.com/article/125210980

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34 Observation of Electroweak Production of Two Jets in Association With an Isolated Photon and Missing Transverse Momentum, and Search for a Higgs Boson Decaying Into Invisible Particles at 13 TeV With the ATLAS Detector

European Physical Journal C · 82, 1-41

https://exaly.com/article/125468544

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35 Search for Higgs Bosons Decaying Into New Spin-0 or Spin-1 Particles in Four-Lepton Final States With the ATLAS Detector With 139 Fb−1 of Pp Collision Data at √s = 13 TeV

Journal of High Energy Physics · 2022, 1-64

https://exaly.com/article/134557617

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36 AtlFast3: The Next Generation of Fast Simulation in ATLAS

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https://exaly.com/article/134567342

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37 Measurement of the Energy Response of the ATLAS Calorimeter to Charged Pions From W^(±)→ τ ^(±)(→ π ^(±)ν _(τ))ν _(τ) Events in Run 2 Data

European Physical Journal C · 82, 1-31

https://exaly.com/article/134672536

11 citations

38 The ATLAS Inner Detector Trigger Performance in Pp Collisions at 13 TeV During LHC Run 2

European Physical Journal C · 82, 1-57

https://exaly.com/article/134799436

48 citations

39 Search for Flavour-Changing Neutral-Current Interactions of a Top Quark and a Gluon in Pp Collisions at √s=13 TeV With the ATLAS Detector

European Physical Journal C · 82, 1-35

https://exaly.com/article/135983496

24 citations

40 Measurement of the Energy Asymmetry in Tt̄j Production at 13 TeV With the ATLAS Experiment and Interpretation in the SMEFT Framework

European Physical Journal C · 82, 1-36

https://exaly.com/article/145148037

15 citations

41 Determination of the Parton Distribution Functions of the Proton Using Diverse ATLAS Data From Pp Collisions at √s = 7 , 8 and 13 TeV

European Physical Journal C · 82, 1-70

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62 citations

42 Search for Long-Lived Charginos Based on a Disappearing-Track Signature Using 136 Fb $^{-1}$ of Pp Collisions at √s = 13 TeV With the ATLAS Detector

European Physical Journal C · 82, 1-34

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43 Two-Particle Bose–Einstein Correlations in Pp Collisions at √s = 13 TeV Measured With the ATLAS Detector at the LHC

8 citations

European Physical Journal C · 82, 1-38

https://exaly.com/article/149078557

44 Constraints on Higgs Boson Properties Using WW^(*)(→ Eν μ ν)Jj Production in 36.1(Fb)⁻¹ of √s=13 TeV Pp Collisions With the ATLAS Detector

25 citations

European Physical Journal C · 82, 1-33

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45 Direct Constraint on the Higgs–Charm Coupling From a Search for Higgs Boson Decays Into Charm Quarks With the ATLAS Detector

57 citations

European Physical Journal C · 82, 1-42

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46 Search for Type-III Seesaw Heavy Leptons in Leptonic Final States in Pp Collisions at √s = 13~TeV With the ATLAS Detector

24 citations

European Physical Journal C · 82, 1-30

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2021

47 Measurement of Hadronic Event Shapes in High-pT Multijet Final States at √s = 13 TeV With the ATLAS Detector

11 citations

Journal of High Energy Physics · 2021, 1-44

https://exaly.com/article/78139414

48 Search for Squarks and Gluinos in Final States With Jets and Missing Transverse Momentum Using 139 Fb−1 of √s = 13 TeV Pp Collision Data With the ATLAS Detector

85 citations

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https://exaly.com/article/79242318

49 Differential Cross-Section Measurements for the Electroweak Production of Dijets in Association With a Z Boson in Proton–Proton Collisions at ATLAS

48 citations

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https://exaly.com/article/79243769

50 Measurements of WH and ZH Production in the H → Bb̄ Decay Channel in Pp Collisions at 13TeV With the ATLAS Detector

138 citations

European Physical Journal C · 81, 1-41

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51 Search for Dark Matter in Association With an Energetic Photon in Pp Collisions at √s = 13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2021, 1-46

https://exaly.com/article/79254087

34 citations

52 Search for Type-III Seesaw Heavy Leptons in Dilepton Final States in Pp Collisions at √s = 13TeV With the ATLAS Detector

European Physical Journal C · 81, 1-30

https://exaly.com/article/79470519

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53 Measurement of Light-by-Light Scattering and Search for Axion-Like Particles With 2.2 Nb−1 of Pb+Pb Data With the ATLAS Detector

Journal of High Energy Physics · 2021, 1-45

https://exaly.com/article/79609407

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54 Search for Higgs Boson Production in Association With a High-Energy Photon via Vector-Boson Fusion With Decay Into Bottom Quark Pairs at √s = 13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2021, 1-37

https://exaly.com/article/79673417

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55 Search for New Phenomena With Top Quark Pairs in Final States With One Lepton, Jets, and Missing Transverse Momentum in Pp Collisions at √s = 13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2021, 1-66

https://exaly.com/article/79851154

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56 Search for New Phenomena in Events With Two Opposite-Charge Leptons, Jets and Missing Transverse Momentum in Pp Collisions at √s = 13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2021, 1-62

https://exaly.com/article/79916242

33 citations

57 Search for Pair Production of Scalar Leptoquarks Decaying Into First- or Second-Generation Leptons and Top Quarks in Proton–Proton Collisions at √s = 13 TeV With the ATLAS Detector

European Physical Journal C · 81, 1-30

https://exaly.com/article/79976835

47 citations

58 Measurement of the CP-Violating Phase ϕ_s in $B_s^0 \rightarrow J/\psi\phi$ Decays in ATLAS at 13 TeV

European Physical Journal C · 81, 1-36

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59 Optimisation of Large-Radius Jet Reconstruction for the ATLAS Detector in 13 TeV Proton–Proton Collisions

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European Physical Journal C · 81, 1-47

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60 Search for Heavy Resonances Decaying Into a Pair of Z Bosons in the $\ell^+\ell^-\ell'^+\ell'^-$ and $\ell^+\ell^-\nu$ Bar(ν) Final States Using 139 $(Fb)^{-1}$ of Proton–Proton Collisions at √s = 13 TeV With the ATLAS Detector

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European Physical Journal C · 81, 1-39

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61 Search for New Phenomena in Final States With b-Jets and Missing Transverse Momentum in √s = 13 TeV Pp Collisions With the ATLAS Detector

34 citations

Journal of High Energy Physics · 2021, 1-51

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62 Search for a Heavy Higgs Boson Decaying Into a Z Boson and Another Heavy Higgs Boson in the $\ell\ell$ Bb and $\ell\ell$ WW Final States in Pp Collisions at √s=13 TeV With the ATLAS Detector

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European Physical Journal C · 81, 1-36

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63 Search for Doubly and Singly Charged Higgs Bosons Decaying Into Vector Bosons in Multi-Lepton Final States With the ATLAS Detector Using Proton-Proton Collisions at √s = 13 TeV

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Journal of High Energy Physics · 2021, 1-54

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64 Measurements of W+W−+ ≥ 1 Jet Production Cross-Sections in Pp Collisions at √s = 13 TeV With the ATLAS Detector

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65 Search for Charged Higgs Bosons Decaying Into a Top Quark and a Bottom Quark at √s = 13 TeV With the ATLAS Detector

90 citations

Journal of High Energy Physics · 2021, 1-47

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66 Measurements of Higgs Bosons Decaying to Bottom Quarks From Vector Boson Fusion Production With the ATLAS Experiment at √s=13TeV

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European Physical Journal C · 81, 1-32

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67 Search for Pair Production of Third-Generation Scalar Leptoquarks Decaying Into a Top Quark and a τ-Lepton in Pp Collisions at √s = 13 TeV With the ATLAS Detector

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68 Search for Supersymmetry in Events With Four or More Charged Leptons in 139 Fb−1 of √s = 13 TeV Pp Collisions With the ATLAS Detector

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69 Determination of the Parton Distribution Functions of the Proton From ATLAS Measurements of Differential W± and Z Boson Production in Association With Jets

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70 Measurements of Differential Cross-Sections in Four-Lepton Events in 13 TeV Proton-Proton Collisions With the ATLAS Detector

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71 A Search for the Decays of Stopped Long-Lived Particles at √s = 13 TeV With the ATLAS Detector

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72 Search for Squarks and Gluinos in Final States With One Isolated Lepton, Jets, and Missing Transverse Momentum at √s=13 TeV With the ATLAS Detector

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73 Measurement of Single Top-Quark Production in Association With a W Boson in the Single-Lepton Channel at √s = 8TeV With the ATLAS Detector

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74 Jet Energy Scale and Resolution Measured in Proton–Proton Collisions at √s=13 TeV With the ATLAS Detector

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75 Measurements of Sensor Radiation Damage in the ATLAS Inner Detector Using Leakage Currents

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13 citations

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76 Measurements of the Inclusive and Differential Production Cross Sections of a Top-Quark–Antiquark Pair in Association With a Z Boson at √s = 13 TeV With the ATLAS Detector

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European Physical Journal C · 81, 1-43

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78 Measurements of Top-Quark Pair Single- and Double-Differential Cross-Sections in the All-Hadronic Channel in Pp Collisions at √s = 13 TeV Using the ATLAS Detector

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79 Search for Phenomena Beyond the Standard Model in Events With Large b-Jet Multiplicity Using the ATLAS Detector at the LHC

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80 Search for Dark Matter in Events With Missing Transverse Momentum and a Higgs Boson Decaying Into Two Photons in Pp Collisions at √s = 13 TeV With the ATLAS Detector

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81 Search for R-Parity-Violating Supersymmetry in a Final State Containing Leptons and Many Jets With the ATLAS Experiment Using √s = 13\hbox TeV Proton–Proton Collision Data

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83 Search for Dark Matter Produced in Association With a Standard Model Higgs Boson Decaying Into b-Quarks Using the Full Run 2 Dataset From the ATLAS Detector

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86 Search for Chargino–Neutralino Pair Production in Final States With Three Leptons and Missing Transverse Momentum in √s = 13 TeV Pp Collisions With the ATLAS Detector
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87 Configuration and Performance of the ATLAS b-Jet Triggers in Run 2
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88 Measurement of b-Quark Fragmentation Properties in Jets Using the Decay B± → J/ψK± in Pp Collisions at √s = 13 TeV With the ATLAS Detector
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93 Fluctuations of Anisotropic Flow in Pb+Pb Collisions at √((s)_(NN)) = 5.02 TeV With the ATLAS Detector — 40 citations

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97 Measurements of the Production Cross-Section for a Z Boson in Association With b-Jets in Proton-Proton Collisions at √s = 13 TeV With the ATLAS Detector — 15 citations

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104 Higgs Boson Production Cross-Section Measurements and Their EFT Interpretation in the 4ℓ Decay Channel at √s= 13 TeV With the ATLAS Detector

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105 Search for Pairs of Scalar Leptoquarks Decaying Into Quarks and Electrons or Muons in √s = 13 TeV Pp Collisions With the ATLAS Detector

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106 Search for Squarks and Gluinos in Final States With Same-Sign Leptons and Jets Using 139 Fb−1 of Data Collected With the ATLAS Detector

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107 Search for Dijet Resonances in Events With an Isolated Charged Lepton Using √s = 13 TeV Proton-Proton Collision Data Collected by the ATLAS Detector

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108 Measurement of the Z(→ ℓ+ℓ−)γ Production Cross-Section in Pp Collisions at √s = 13 TeV With the ATLAS Detector

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15 citations

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36 citations

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15 citations

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108 citations

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28 citations

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13 citations

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328 citations

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15 citations

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93 citations

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86 citations

European Physical Journal C · 80, 1-41

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47 citations

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113 citations

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52 citations
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37 citations

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27 citations

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17 citations

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36 citations

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European Physical Journal C · 79, 1-51
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53 citations
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154 Measurement of Fiducial and Differential W^+W^- Production Cross-Sections at $\sqrt{s}$=13 TeV With the ATLAS Detector

89 citations

European Physical Journal C · 79, 1-34

https://exaly.com/article/73817794

155 Measurement of ZZ Production in the $\ell\ell\nu\nu$ Final State With the ATLAS Detector in Pp Collisions at $\sqrt{s}$ = 13 TeV

14 citations

Journal of High Energy Physics · 2019, 1-48

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156 Measurement of W^(±) -Boson and Z-Boson Production Cross-Sections in Pp Collisions at $\sqrt{s}$=2.76 TeV With the ATLAS Detector

18 citations

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157 Measurement of the Inclusive Cross-Section for the Production of Jets in Association With a Z Boson in Proton–Proton Collisions at 8 TeV Using the ATLAS Detector

17 citations

European Physical Journal C · 79, 1-47

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158 Search for Heavy Neutral Leptons in Decays of W Bosons Produced in 13 TeV Pp Collisions Using Prompt and Displaced Signatures With the ATLAS Detector

84 citations

Journal of High Energy Physics · 2019, 1-47

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31 citations

European Physical Journal C · 79, 1-32

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396 citations

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161 Measurement of Flow Harmonics Correlations With Mean Transverse Momentum in Lead–Lead and Proton–Lead Collisions at $\sqrt{(s_(NN))}$ = 5.02~\hbox TeV With the ATLAS Detector

61 citations

European Physical Journal C · 79, 1-29

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162 Measurements of Top-Quark Pair Differential and Double-Differential Cross-Sections in the ℓ +Jets Channel With Pp Collisions at √s=13 TeV Using the ATLAS Detector

100 citations

European Physical Journal C · 79, 1-84

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26 citations

Journal of High Energy Physics · 2019, 1-50

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12 citations

Journal of High Energy Physics · 2019, 1-51

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8 citations

European Physical Journal C · 79, 1-41

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133 citations

Journal of High Energy Physics · 2018, 1-54

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23 citations

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300 citations

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18 citations

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66 citations

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95 citations

European Physical Journal C · 78, 1-37

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104 citations

European Physical Journal C · 78, 1-32

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31 citations

European Physical Journal C · 78, 1-29

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174 Search for Heavy ZZ Resonances in the $\ell^+\ell^-\ell^+\ell^-$ $\ell+\ell-\ell+\ell-$ And $\ell^+\ell^-\nu$ Bar$(\nu)\ell+\ell-\nu\nu^-$ Final States Using Proton–Proton Collisions at √s= 13 s = 13 TeV TeV With the ATLAS Detector

116 citations

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175 A Search for Pair-Produced Resonances in Four-Jet Final States at s=13√s=13 TeVTeV With the ATLAS Detector

98 citations

European Physical Journal C · 78, 1-28

https://exaly.com/article/69248792

176 Search for Heavy Resonances Decaying Into a W or Z Boson and a Higgs Boson in Final States With Leptons and b-Jets in 36 Fb−1 of √s=13 TeV Pp Collisions With the ATLAS Detector

40 citations

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177 Search for Heavy Resonances Decaying Into WW in the Eν μ ν e ν μ ν Final State in Pp Collisions at √s=13 s = 13 TeV TeV With the ATLAS Detector

135 citations

European Physical Journal C · 78, 1-34

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European Physical Journal C · 78, 1-30

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Journal of High Energy Physics · 2018, 1-60

https://exaly.com/article/69282540

181 Search for the Higgs Boson Produced in Association With a Vector Boson and Decaying Into Two Spin-Zero Particles in the H → Aa → 4b Channel in Pp Collisions at √s=13 TeV With the ATLAS Detector — 36 citations

Journal of High Energy Physics · 2018, 1-48

https://exaly.com/article/69909342

182 Measurement of the Zγ → ν ν̄γ Production Cross Section in Pp Collisions at √s=13 TeV With the ATLAS Detector and Limits on Anomalous Triple Gauge-Boson Couplings — 24 citations

Journal of High Energy Physics · 2018, 1-42

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183 Prompt and Non-Prompt J/ψJ/ψ Elliptic Flow in Pb+Pb Collisions at sNN=5.02√ = 5.02 Tev With the ATLAS Detector — 33 citations

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185 Measurement of Colour Flow Using Jet-Pull Observables in Tt̄ Events With the ATLAS Experiment at √s = 13\hbox TeV — 25 citations

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111 citations

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58 citations

European Physical Journal C · 78, 1-23

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188 Search for Dark Matter in Events With a Hadronically Decaying Vector Boson and Missing Transverse Momentum in Pp Collisions at √s=13 TeV With the ATLAS Detector

40 citations

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14 citations

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190 Search for Higgs Boson Pair Production in the \upgamma \upgamma Bb̄ Final State With 13 TeV Pp Collision Data Collected by the ATLAS Experiment

44 citations

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45 citations

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87 citations

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284 citations

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68 citations
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196 Operation and Performance of the ATLAS Tile Calorimeter in Run 1
36 citations
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40 citations
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30 citations
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52 citations
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82 citations
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18 citations
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91 citations

Journal of High Energy Physics · 2018, 1-48

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92 citations

European Physical Journal C · 78, 1-28

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35 citations

Journal of High Energy Physics · 2018, 1-51

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21 citations

Journal of High Energy Physics · 2018, 1-37

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206 Measurements of b-Jet Tagging Efficiency With the ATLAS Detector Using Tt̄ Events at √s=13 TeV

52 citations

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207 Search for Flavour-Changing Neutral Current Top-Quark Decays t → qZ in Proton-Proton Collisions at √s=13 TeV With the ATLAS Detector

23 citations

Journal of High Energy Physics · 2018, 1-41

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208 Measurement of the Inclusive and Fiducial Tt̄ Production Cross-Sections in the Lepton+Jets Channel in Pp Collisions at √s = 8~\hbox TeV With the ATLAS Detector

23 citations

European Physical Journal C · 78, 1-31

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209 Search for Heavy Particles Decaying Into Top-Quark Pairs Using Lepton-Plus-Jets Events in Proton–Proton Collisions at √s = 13 s = 13 TeV TeV With the ATLAS Detector

108 citations

European Physical Journal C · 78, 1-39

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210 Search for New Phenomena Using the Invariant Mass Distribution of Same-Flavour Opposite-Sign Dilepton Pairs in Events With Missing Transverse Momentum in √s=13 s = 13 TeV Te Pp Collisions With the ATLAS Detector

33 citations

European Physical Journal C · 78, 1-38

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211 Search for Dark Matter and Other New Phenomena in Events With an Energetic Jet and Large Missing Transverse Momentum Using the ATLAS Detector

155 citations

Journal of High Energy Physics · 2018, 1-53

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212 Measurement of Inclusive Jet and Dijet Cross-Sections in Proton-Proton Collisions at √s=13 TeV With the ATLAS Detector

43 citations

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213 Search for Dark Matter Produced in Association With Bottom or Top Quarks in √s=13 TeV Pp Collisions With the ATLAS Detector

75 citations

European Physical Journal C · 78, 1-36

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214 Search for Doubly Charged Higgs Boson Production in Multi-Lepton Final States With the ATLAS Detector Using Proton–Proton Collisions at √s=13TeV

176 citations

European Physical Journal C · 78, 1-34

https://exaly.com/article/71500527

215 Measurement of τ Polarisation in Z/γ ^(*)→ τ τ Decays in Proton–Proton Collisions at √s=8 TeV With the ATLAS Detector

16 citations

European Physical Journal C · 78, 1-30

https://exaly.com/article/71527693

216 Searches for Heavy ZZ and ZW Resonances in the ℓℓqq and νν̄qq Final States in Pp Collisions at √s=13 TeV With the ATLAS Detector

29 citations

Journal of High Energy Physics · 2018, 1-53

https://exaly.com/article/71530632

217 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

38 citations

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https://exaly.com/article/71578278

218 Measurement of Differential Cross Sections and W+/W− Cross-Section Ratios for W Boson Production in Association With Jets at √s=8 TeV With the ATLAS Detector

28 citations

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58 citations

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220 Measurement of the Inclusive Cross-Sections of Single Top-Quark and Top-Antiquark t-Channel Production in Pp Collisions at s=13 √s=13 TeV With the ATLAS Detector

34 citations

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221 Measurement of Jet Activity Produced in Top-Quark Events With an Electron, a Muon and Two b-Tagged Jets in the Final State in Pp Collisions at s=13√s=13 TeV With the ATLAS Detector

17 citations

European Physical Journal C · 77, 1-38

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222 Measurement of the W Boson Polarisation in Tt̄ t t ¯ Events From Pp Collisions at √s s = 8 TeV in the Lepton + Jets Channel With ATLAS

43 citations

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139 citations

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224 Measurements of Top-Quark Pair Differential Cross-Sections in the Eμeμ Channel in Pp Collisions at s=13√s = 13 TeV Using the ATLAS Detector

37 citations

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225 Performance of Algorithms That Reconstruct Missing Transverse Momentum in √s s = 8 TeV Proton–Proton Collisions in the ATLAS Detector

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226 Measurement of the Prompt J/ ψ ψ Pair Production Cross-Section in Pp Collisions at √s = 8 s = 8 TeV With the ATLAS Detector

115 citations

European Physical Journal C · 77, 1-34

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227 Search for Triboson W^(±)W^(±)W^(∓) W ± W ± W ∓ Production in Pp Collisions at √s=8 s = 8 TeV TeV With the ATLAS Detector — 37 citations

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229 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 — 74 citations

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231 Jet Reconstruction and Performance Using Particle Flow With the ATLAS Detector — 398 citations

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European Physical Journal C · 77, 1-40

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233 Measurement of Inclusive and Differential Cross Sections in the H → ZZ * → 4ℓ Decay Channel in Pp Collisions at s = 13 √s=13 TeV With the ATLAS Detector — 40 citations

Journal of High Energy Physics · 2017, 1-49

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234 Measurement of Lepton Differential Distributions and the Top Quark Mass in Tt̄ Production in Pp Collisions at √s=8 TeV With the ATLAS Detector — 45 citations

European Physical Journal C · 77, 1-66

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236 Measurements of Charge and CP Asymmetries in b-Hadron Decays Using Top-Quark Events Collected by the ATLAS Detector in Pp Collisions at s = 8 √s=8 TeV

Journal of High Energy Physics · 2017, 1-49

https://exaly.com/article/67427059

10 citations

237 Performance of the ATLAS Track Reconstruction Algorithms in Dense Environments in LHC Run 2

European Physical Journal C · 77, 1-30

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238 Search for New Phenomena in Events Containing a Same-Flavour Opposite-Sign Dilepton Pair, Jets, and Large Missing Transverse Momentum in \varvec{\sqrt{s}=13} s = 13 TeV TeV \varvec{Pp} p p Collisions With the ATLAS Detector

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16 citations

239 Measurement of the ZZ Production Cross Section in Proton-Proton Collisions at s=8 √s=8 TeV Using the ZZ → ℓ−ℓ+ℓ′−ℓ′+ and ZZ→ℓ−ℓ+νν¯ ZZ→ ℓ-ν D̄ecay Channels With the ATLAS Detector

Journal of High Energy Physics · 2017, 1-53

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12 citations

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17 citations

241 Measurements of ψ(2S) and X(3872) → J/ψπ + π − Production in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

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55 citations

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18 citations

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244 Performance of the ATLAS Trigger System in 2015
788 citations
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245 Reconstruction of Primary Vertices at the ATLAS Experiment in Run 1 Proton–Proton Collisions at the LHC
107 citations
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59 citations
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226 citations
European Physical Journal C · 77, 1-62
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248 Measurement of Jet Fragmentation in Pb+Pb and Pp Collisions at √(s_NN) = 2.76 TeV With the ATLAS Detector at the LHC
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250 Measurement of Charged-Particle Distributions Sensitive to the Underlying Event in s=13 √s=13 TeV Proton-Proton Collisions With the ATLAS Detector at the LHC
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252 Search for Direct Top Squark Pair Production in Events With a Higgs or Z Boson, and Missing Transverse Momentum in s=13 √s=13 TeV Pp Collisions With the ATLAS Detector
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253 Measurement of Detector-Corrected Observables Sensitive to the Anomalous Production of Events With Jets and Large Missing Transverse Momentum in \varvec{Pp} p p Collisions at √s=13 s = 13 TeV Using the ATLAS Detector

28 citations

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254 Measurement of b-Hadron Pair Production With the ATLAS Detector in Proton-Proton Collisions at √s=8 TeV

10 citations

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255 Search for Supersymmetry in Events With b-Tagged Jets and Missing Transverse Momentum in Pp Collisions at √s=13 TeV With the ATLAS Detector

23 citations

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35 citations

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257 Search for Pair Production of Vector-Like Top Quarks in Events With One Lepton, Jets, and Missing Transverse Momentum in s=13 √s=13 TeV Pp Collisions With the ATLAS Detector

45 citations

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73 citations

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38 citations

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16 citations

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261 Searches for the Zγ Decay Mode of the Higgs Boson and for New High-Mass Resonances in Pp Collisions at s=13 √s=13 TeV With the ATLAS Detector

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36 citations

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22 citations

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22 citations

264 Search for Top Quark Decays t → qH, With H → γγ, in s=13 √s=13 TeV Pp Collisions Using the ATLAS Detector

Journal of High Energy Physics · 2017, 1-43

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26 citations

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European Physical Journal C · 77, 1-30

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35 citations

266 Measurements of Top Quark Spin Observables in Tt¯ t\overlinet Events Using Dilepton Final States in s=8 √s=8 TeV Pp Collisions With the ATLAS Detector

Journal of High Energy Physics · 2017, 1-50

https://exaly.com/article/67958132

28 citations

267 Search for New Phenomena With Large Jet Multiplicities and Missing Transverse Momentum Using Large-Radius Jets and Flavour-Tagging at ATLAS in 13 TeV Pp Collisions

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13 citations

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Journal of High Energy Physics · 2017, 1-41

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25 citations

269 Measurement of the Drell-Yan Triple-Differential Cross Section in Pp Collisions at s=8 √s=8 TeV

Journal of High Energy Physics · 2017, 1-80

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42 citations

Ordered by publication year, newest first

2017 / continued

270 Search for a Scalar Partner of the Top Quark in the Jets Plus Missing Transverse Momentum Final State at s = 13 √s=13 TeV With the ATLAS Detector

51 citations

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271 Search for Supersymmetry in Final States With Two Same-Sign or Three Leptons and Jets Using 36 Fb−1 of √s=13 TeV Pp Collision Data With the ATLAS Detector

37 citations

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272 Search for Pair Production of Heavy Vector-Like Quarks Decaying to High-p T W Bosons and b Quarks in the Lepton-Plus-Jets Final State in Pp Collisions at s=13 √s=13 TeV With the ATLAS Detector

41 citations

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273 Measurement of the k t Splitting Scales in Z → ℓℓ Events in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

4 citations

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274 Analysis of the Wtb Vertex From the Measurement of Triple-Differential Angular Decay Rates of Single Top Quarks Produced in the t-Channel at s = 8 √s=8 TeV With the ATLAS Detector

10 citations

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275 Evidence for the H → b b ¯ H→ Bb̄ Decay With the ATLAS Detector

81 citations

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276 Search for New High-Mass Phenomena in the Dilepton Final State Using 36 Fb−1 of Proton-Proton Collision Data at s=13 √s=13 TeV With the ATLAS Detector

186 citations

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277 Determination of the Strong Coupling Constant α _s From Transverse Energy–Energy Correlations in Multijet Events at √s = 8~\hbox TeV Using the ATLAS Detector

64 citations

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Journal of High Energy Physics · 2016, 1-52

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32 citations

279 Search for the Standard Model Higgs Boson Produced by Vector-Boson Fusion and Decaying to Bottom Quarks in s=8 √s=8 TeV Pp Collisions With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-37

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12 citations

280 Measurement of Event-Shape Observables in Z → ℓ + ℓ -Z → ℓ + ℓ - Events in Pp Collisions at √s=7√s=7 With the ATLAS Detector at the LHC

European Physical Journal C · 76, 1-40

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19 citations

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European Physical Journal C · 76, 1-32

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39 citations

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European Physical Journal C · 76, 1-22

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88 citations

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European Physical Journal C · 76, 1-25

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42 citations

284 Search for Minimal Supersymmetric Standard Model Higgs Bosons H / a and for a ZZ Boson in the τ τ τ τ Final State Produced in Pp Collisions at √s= 13√s= 13 TeV With the ATLAS Detector

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15 citations

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287 The Performance of the Jet Trigger for the ATLAS Detector During 2011 Data Taking
40 citations
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31 citations
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593 citations
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291 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
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292 Search for Gluinos in Events With an Isolated Lepton, Jets and Missing Transverse Momentum at s√s = 13 Te V With the ATLAS Detector
34 citations
European Physical Journal C · 76, 1-29
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58 citations
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294 Search for a High-Mass Higgs Boson Decaying to a W Boson Pair in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector
77 citations
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295 Search for Flavour-Changing Neutral Current Top-Quark Decays to \varvec{qZ} q Z in \varvec{Pp} p p Collision Data Collected With the ATLAS Detector at \varvec{\sqrt{s}=8} s = 8 TeV

45 citations

European Physical Journal C · 76, 1-24

https://exaly.com/article/64036605

296 Measurement of the Charge Asymmetry in Top-Quark Pair Production in the Lepton-Plus-Jets Final State in Pp Collision Data at √s=8TeV With the ATLAS Detector

45 citations

European Physical Journal C · 76, 1-30

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297 Search for Direct Top Squark Pair Production in Final States With Two Tau Leptons in Pp Collisions at √s=8 s = 8 TeV With the ATLAS Detector

10 citations

European Physical Journal C · 76, 1-30

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298 Search for Charged Higgs Bosons in the H ± → Tb Decay Channel in Pp Collisions at s=8 √s=8 TeV Using the ATLAS Detector

56 citations

Journal of High Energy Physics · 2016, 1-48

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299 Study of the Rare Decays of B^0_s B s 0 and B^0 B 0 Into Muon Pairs From Data Collected During the LHC Run 1 With the ATLAS Detector

52 citations

European Physical Journal C · 76, 1-31

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300 Search for Supersymmetry in a Final State Containing Two Photons and Missing Transverse Momentum in \varvec{\sqrt{s}} = 13 TeV \varvec{Pp} Collisions at the LHC Using the ATLAS Detector

32 citations

European Physical Journal C · 76, 1-23

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301 Search for Resonances in Diphoton Events at s=13 √s=13 TeV With the ATLAS Detector

88 citations

Journal of High Energy Physics · 2016, 1-50

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302 Search for Single Production of Vector-Like Quarks Decaying Into Wb in Pp Collisions at s=8√s = 8 TeV With the ATLAS Detector

49 citations

European Physical Journal C · 76, 1-26

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303 Measurement of the Relative Width Difference of the Bo-B¯o Bo\hbox- \overlineBo System With the ATLAS Detector — 11 citations

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304 Reconstruction of Hadronic Decay Products of Tau Leptons With the ATLAS Experiment — 65 citations

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305 Performance of Pile-Up Mitigation Techniques for Jets in Pp Collisions at √s=8 TeV Using the ATLAS Detector — 505 citations

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306 Measurement of the Charged-Particle Multiplicity Inside Jets From √s=8 s = 8 TeV TeV Pp Collisions With the ATLAS Detector — 61 citations

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307 Measurement of Jet Activity in Top Quark Events Using the Eμ Final State With Two b-Tagged Jets in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector — 4 citations

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European Physical Journal C · 76, 1-61

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309 Measurement of Fiducial Differential Cross Sections of Gluon-Fusion Production of Higgs Bosons Decaying to WW ∗→Ενμν With the ATLAS Detector at s=8 √s=8 TeV — 17 citations

Journal of High Energy Physics · 2016, 1-63

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310 Search for New Phenomena in Events With a Photon and Missing Transverse Momentum in Pp Collisions at s = 13 √s=13 TeV With the ATLAS Detector — 24 citations

Journal of High Energy Physics · 2016, 1-41

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311 A Search for Top Squarks With R-Parity-Violating Decays to All-Hadronic Final States With the ATLAS Detector in s=8 √s=8 TeV Proton-Proton Collisions — 17 citations

Journal of High Energy Physics · 2016, 1-49

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2016 / continued

312 Identification of High Transverse Momentum Top Quarks in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-81

https://exaly.com/article/64854180

20 citations

313 Measurements of Top-Quark Pair Differential Cross-Sections in the Lepton+Jets Channel in Pp Collisions at √s=8~TeV s = 8 TeV Using the ATLAS Detector

European Physical Journal C · 76, 1-39

https://exaly.com/article/64885454

154 citations

314 Measurement of the Differential Cross-Sections of Prompt and Non-Prompt Production of J/ψ J / ψ and ψ (2S) ψ (2 S) in Pp Collisions at √s = 7 s = 7 and 8 TeV With the ATLAS Detector

European Physical Journal C · 76, 1-47

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82 citations

315 Luminosity Determination in Pp Collisions at √s s = 8 TeV Using the ATLAS Detector at the LHC

European Physical Journal C · 76, 1-45

https://exaly.com/article/64945815

318 citations

316 Search for Squarks and Gluinos in Events With Hadronically Decaying Tau Leptons, Jets and Missing Transverse Momentum in Proton–Proton Collisions at √s=13 s = 13 TeV Recorded With the ATLAS Detector

European Physical Journal C · 76, 1-33

https://exaly.com/article/64945825

14 citations

317 Measurement of the Angular Coefficients in Z-Boson Events Using Electron and Muon Pairs From Data Taken at s=8 √s=8 TeV With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-101

https://exaly.com/article/64955239

60 citations

318 Searches for Heavy Diboson Resonances in Pp Collisions at s=13 √s=13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-46

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30 citations

319 Dark Matter Interpretations of ATLAS Searches for the Electroweak Production of Supersymmetric Particles in s=8 √s=8 TeV Proton-Proton Collisions

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17 citations

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2016 / continued

320 Search for the Standard Model Higgs Boson Decaying Into Bb¯ b\overlineb Produced in Association With Top Quarks Decaying Hadronically in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-51

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24 citations

321 Measurement of the CP-Violating Phase ϕ s and the B s 0 Meson Decay Width Difference With B s 0 → J/ψϕ Decays in ATLAS

Journal of High Energy Physics · 2016, 1-45

https://exaly.com/article/64966758

17 citations

322 Search for Squarks and Gluinos in Final States With Jets and Missing Transverse Momentum at s√s =13 TeVwith the ATLAS Detector

European Physical Journal C · 76, 1-29

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79 citations

323 Measurement of the Double-Differential High-Mass Drell-Yan Cross Section in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-61

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51 citations

324 A Search for Prompt Lepton-Jets in Pp Collisions at s=8 √=8 TeV With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-51

https://exaly.com/article/65057317

35 citations

325 Search for New Phenomena With Photon+Jet Events in Proton-Proton Collisions at s=13 √s=13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2016, 1-37

https://exaly.com/article/65057380

14 citations

326 Measurement of the Centrality Dependence of the Charged-Particle Pseudorapidity Distribution in Proton–Lead Collisions at √(s_(_NN)) = 5.02 s NN = 5.02 TeV With the ATLAS Detector

European Physical Journal C · 76, 1-30

https://exaly.com/article/65082138

76 citations

327 Measurement of the Production Cross-Section of a Single Top Quark in Association With a W Boson at 8 TeV With the ATLAS Experiment

Journal of High Energy Physics · 2016, 1-48

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19 citations

Ordered by publication year, newest first

2016 / continued

328 Search for the Production of Single Vector-Like and Excited Quarks in the Wt Final State in Pp Collisions at s = 8 √s=8 TeV With the ATLAS Detector

21 citations

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18 citations

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70 citations

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126 citations

European Physical Journal C · 76, 1-26

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35 citations

European Physical Journal C · 76, 1-25

https://exaly.com/article/65208175

333 A New Method to Distinguish Hadronically Decaying Boosted Z Bosons From W Bosons Using the ATLAS Detector

13 citations

European Physical Journal C · 76, 1-33

https://exaly.com/article/65208188

334 Search for Supersymmetry at [Math Processing Error]s=13√s=13 TeV in Final States With Jets and Two Same-Sign Leptons or Three Leptons With the ATLAS Detector

82 citations

European Physical Journal C · 76, 1-26

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335 Search for Invisible Decays of a Higgs Boson Using Vector-Boson Fusion in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

56 citations

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336 Search for Anomalous Couplings in the W Tb Vertex From the Measurement of Double Differential Angular Decay Rates of Single Top Quarks Produced in the t-Channel With the ATLAS Detector

14 citations

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European Physical Journal C · 76, 1-51

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European Physical Journal C · 76, 1-37

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340 Study of the Bc+→J/ψDs+Bc+ → J/ψ Ds+ and Bc+→J/ψDs∗+Bc+ → J/ψ Ds*+ Decays With the ATLAS Detector — 54 citations

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341 Search for an Additional, Heavy Higgs Boson in the H→ ZZ H → Z Z Decay Channel at √s = 8 TeV s = 8 TeV in Pp p p Collision Data With the ATLAS Detector — 215 citations

European Physical Journal C · 76, 1-42

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345 Summary of the ATLAS Experiment's Sensitivity to Supersymmetry After LHC Run 1 — Interpreted in the Phenomenological MSSM
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346 Search for Lepton-Flavour-Violating H → μτ Decays of the Higgs Boson With the ATLAS Detector
56 citations
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353 Search for High-Mass Diboson Resonances With Boson-Tagged Jets in Proton-Proton Collisions at s = 8 √s=8 TeV With the ATLAS Detector
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354 Differential Top-Antitop Cross-Section Measurements as a Function of Observables Constructed From Final-State Particles Using Pp Collisions at s=7 √s=7 TeV in the ATLAS Detector

Journal of High Energy Physics · 2015, 1-56

https://exaly.com/article/60544197

40 citations

355 Search for Heavy Majorana Neutrinos With the ATLAS Detector in Pp Collisions at √s=8 TeV

Journal of High Energy Physics · 2015, 1-44

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102 citations

356 Search for Production of Vector-Like Quark Pairs and of Four Top Quarks in the Lepton-Plus-Jets Final State in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

Journal of High Energy Physics · 2015, 1-86

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75 citations

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23 citations

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Journal of High Energy Physics · 2015, 1-100

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68 citations

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28 citations

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Journal of High Energy Physics · 2015, 1-48

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26 citations

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Journal of High Energy Physics · 2015, 1-65

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362 Search for Heavy Lepton Resonances Decaying to a Z Boson and a Lepton in Pp Collisions at s = 8 √s=8 TeV With the ATLAS Detector

Journal of High Energy Physics · 2015, 1-38

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46 citations

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Journal of High Energy Physics · 2015, 1-74

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136 citations

365 Measurement of the Charge Asymmetry in Dileptonic Decays of Top Quark Pairs in Pp Collisions at s=7 √s=7 TeV Using the ATLAS Detector

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18 citations

366 Search for W'→Tb→qqbbW' → Tb → Qqbb Decays in Pppp Collisions at s√s = 8 TeV With the ATLAS Detector

European Physical Journal C · 75, 1-23

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38 citations

367 Measurement of the Top-Quark Mass in the Fully Hadronic Decay Channel From ATLAS Data at √s=7TeV

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21 citations

368 Search for Direct Pair Production of a Chargino and a Neutralino Decaying to the 125 GeV Higgs Boson in Ss=8√ = 8 TeV Pppp\varvecpp Collisions With the ATLAS Detector

European Physical Journal C · 75, 1-31

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293 citations

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37 citations

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374 Search for Resonant Diboson Production in the ℓℓqq¯ℓ ℓ q\barq Final State in Pppp Collisions at s=8√s = 8 TeV With the ATLAS Detector

74 citations

European Physical Journal C · 75, 1-20

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95 citations

European Physical Journal C · 75, 1-46

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376 Search for Dark Matter in Events With Heavy Quarks and Missing Transverse Momentum in Pppp Collisions With the ATLAS Detector

81 citations

European Physical Journal C · 75, 1-22

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377 Measurement of the Tt¯ t\overlinet Production Cross-Section as a Function of Jet Multiplicity and Jet Transverse Momentum in 7 TeV Proton-Proton Collisions With the ATLAS Detector

29 citations

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28 citations

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35 citations

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93 citations

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51 citations

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69 citations

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383 Search for Charged Higgs Bosons Decaying via H ± → τ ± ν in Fully Hadronic Final States Using Pp Collision Data at s √s = 8 TeV With the ATLAS Detector

85 citations

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80 citations

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65 citations

European Physical Journal C · 75, 1-31

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386 Search for Higgs Boson Pair Production in the Bb̄bb̄ b b ¯ b b ¯ Final State From Pp Collisions at √s = 8 s = 8 TeVwith the ATLAS Detector

102 citations

European Physical Journal C · 75, 1-32

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22 citations

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252 citations

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389 Search for a New Resonance Decaying to a W or Z Boson and a Higgs Boson in the ℓ ℓ / ℓ ν / ν ν + b b̄ ℓ ℓ / ℓ ν / ν ν + b b ¯ Final States With the ATLAS Detector

64 citations

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28 citations

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119 citations

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94 citations

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249 citations

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76 citations

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147 citations

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59 citations

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44 citations

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49 citations

European Physical Journal C · 75, 1-25

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56 citations

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146 citations

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85 citations

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225 citations

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47 citations

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24 citations

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50 citations

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406 Search for Supersymmetry in Events With Large Missing Transverse Momentum, Jets, and at Least One Tau Lepton in 20 Fb−1 of s √s = 8 TeV Proton-Proton Collision Data With the ATLAS Detector

12 citations

Journal of High Energy Physics · 2014, 1-54

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407 Search for Squarks and Gluinos With the ATLAS Detector in Final States With Jets and Missing Transverse Momentum Using s=8 √s=8 TeV Proton-Proton Collision Data

133 citations

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166 citations

European Physical Journal C · 74, 1-32

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409 Search for Top Squark Pair Production in Final States With One Isolated Lepton, Jets, and Missing Transverse Momentum in s √s = 8 TeV Pp Collisions With the ATLAS Detector

69 citations

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59 citations

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247 citations

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50 citations

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85 citations

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51 citations

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415 Search for Direct Pair Production of the Top Squark in All-Hadronic Final States in Proton-Proton Collisions at s √s = 8 TeV With the ATLAS Detector

41 citations

Journal of High Energy Physics · 2014, 1-51

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416 Measurement of the Production Cross-Section of ψ(2S) → J/ψ(→μ + μ −)π + π − in Pp Collisions at s √s = 7 TeV at ATLAS

22 citations

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172 citations

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418 Search for Strong Production of Supersymmetric Particles in Final States With Missing Transverse Momentum and at Least Three b-Jets at s=8 √s = 8 TeV Proton-Proton Collisions With the ATLAS Detector

40 citations

Journal of High Energy Physics · 2014, 1-53

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50 citations

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420 Search for Long-Lived Neutral Particles Decaying Into Lepton Jets in Proton-Proton Collisions at s = 8 √s=8 TeV With the ATLAS Detector

49 citations

Journal of High Energy Physics · 2014, 1-48

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421 Search for Pair and Single Production of New Heavy Quarks That Decay to a Z Boson and a Third-Generation Quark in Pp Collisions at s=8 √s=8 TeV With the ATLAS Detector

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36 citations

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43 citations

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Journal of High Energy Physics · 2014, 1-52

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43 citations

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214 citations

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European Physical Journal C · 74, 1-29

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33 citations

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European Physical Journal C · 74, 1-25

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26 citations

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European Physical Journal C · 74, 1-29

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92 citations

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429 Measurement of the Electroweak Production of Dijets in Association With a Z-Boson and Distributions Sensitive to Vector Boson Fusion in Proton-Proton Collisions at √s = 8 TeV Using the ATLAS Detector

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25 citations

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Journal of High Energy Physics · 2014, 1-46

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94 citations

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Journal of High Energy Physics · 2014, 1-37

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38 citations

432 Measurement of Dijet Cross-Sections in Pp Collisions at 7 TeV Centre-of-Mass Energy Using the ATLAS Detector

Journal of High Energy Physics · 2014, 1-67

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42 citations

433 Measurement of the Production of a W Boson in Association With a Charm Quark in Pp Collisions at √s = 7 TeV With the ATLAS Detector

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63 citations

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165 citations

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Journal of High Energy Physics · 2014, 1-50

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54 citations

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30 citations

Ordered by publication year, newest first

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62 citations

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56 citations

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61 citations

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465 Search for Direct Chargino Production in Anomaly-Mediated Supersymmetry Breaking Models Based on a Disappearing-Track Signature in Pp Collisions at √s=7TeV With the ATLAS Detector

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62 citations

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