RESEARCH & PUBLICATIONS

Vladimir V. Sulin

A publication record at a glance

695	53,431	112
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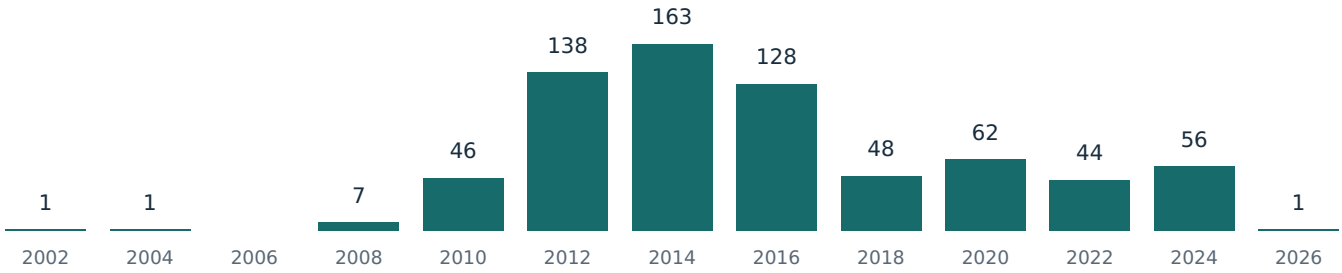
PUBLICATION ACTIVITY

Articles grouped into 2-year periods



MOST CITED IN THIS LIST

The ATLAS Experiment at the CERN Large Hadron Collider — 3,664
2008 Journal of Instrumentation

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

Combined Measurement of the Higgs Boson Mass in Pp Collisions at Sqrt[s]=7 and 8 TeV With the ATLAS and CMS Experiments. — 1,229
2015 Physical Review Letters

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2026

01 Measurement of the Top-Quark Yukawa Coupling From $t\bar{t}$ Production in the Lepton+Jets Final State Using Pp Collisions at √s=13 TeV With the ATLAS Detector

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Journal of High Energy Physics · 2026, 117

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02 Total Cost of Ownership and Evaluation of Google Cloud Resources for the ATLAS Experiment at the LHC

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Computing and Software for Big Science · 9, 1-35

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03 Combination of Searches for Singly Produced Vectorlike Top Quarks in Pp Collisions at √(s)=13 TeV With the ATLAS Detector

7 citations

Physical Review D · 111, 012012

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04 Search for Magnetic Monopole Pair Production in Ultraperipheral Pb+Pb Collisions at √(s_(NN))=5.36 TeV With the ATLAS Detector at the LHC

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Physical Review Letters · 134, 061803

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05 Search for Triple Higgs Boson Production in the 6b Final State Using Pp Collisions at √(s)=13 TeV With the ATLAS Detector

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Physical Review D · 111, 032006

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06 Measurement of Photonuclear Jet Production in Ultraperipheral Pb+Pb Collisions at √(s_(NN))=5.02 TeV With the ATLAS Detector

18 citations

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07 Search for Dark Matter Produced in Association With a Dark Higgs Boson in the $B\bar{b}$ Final State Using Pp Collisions at √(s)=13 TeV With the ATLAS Detector

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Physical Review Letters · 134, 121801

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08 Observation of $t\bar{t}$ Production in Pb+Pb Collisions at √(s_(NN))=5.02 TeV With the ATLAS Detector

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09 Search for the Jet-Induced Diffusion Wake in the Quark-Gluon Plasma via Measurements of Jet-Track Correlations in Photon-Jet Events in Pb+Pb Collisions at √(s_(NN))=5.02 TeV With the ATLAS Detector

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10 Test of Lepton Flavour Universality in W-Boson Decays Into Electrons and τ-Leptons Using Pp Collisions at √s = 13 TeV With the ATLAS Detector

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11 Search for Cascade Decays of Charged Sleptons and Sneutrinos in Final States With Three Leptons and Missing Transverse Momentum in Pp Collisions at √(s)=13 TeV With the ATLAS Detector

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12 Search for Vector-Like Leptons Coupling to First- and Second-Generation Standard Model Leptons in Pp Collisions at √s = 13 TeV With the ATLAS Detector

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13 Search for Displaced Leptons in √(s)=13 TeV and 13.6 TeV Pp Collisions With the ATLAS Detector

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14 The Performance of Missing Transverse Momentum Reconstruction and Its Significance With the ATLAS Detector Using 140 \hbox (Fb)$^{-1}$ of √s=13 TeV Pp Collisions

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15 Search for New Physics in Final States With Semivisible Jets or Anomalous Signatures Using the ATLAS Detector

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16 Cross-Section Measurements for the Production of a W -Boson in Association With High-Transverse-Momentum Jets in Pp Collisions at √s = 13 TeV With the ATLAS Detector

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21 Azimuthal Anisotropies of Charged Particles With High Transverse Momentum in Pb+Pb Collisions at √(s_(NN))=5.02 TeV With the ATLAS Detector

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22 Search for Heavy Neutral Leptons in Decays of W Bosons Using Leptonic and Semi-Leptonic Displaced Vertices in √s = 13 TeV Pp Collisions With the ATLAS Detector

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23 Measurements of the Production Cross-Sections of a Higgs Boson in Association With a Vector Boson and Decaying Into WW* With the ATLAS Detector at √s = 13 TeV

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25 Search for Charged Higgs Bosons Produced in Top-Quark Decays or in Association With Top Quarks and Decaying via H^(±)→τ^(±)ν_(τ) in 13 TeV Pp Collisions With the ATLAS Detector

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27 A Search for Dark Matter Produced in Association With a Dark Higgs Boson Decaying Into a Higgs Boson Pair in 3b or 4b Final States Using Pp Collisions at √s=13 TeV With the ATLAS Detector

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28 Weakly Supervised Anomaly Detection for Resonant New Physics in the Dijet Final State Using Proton-Proton Collisions at √(s)=13 TeV With the ATLAS Detector

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29 A Measurement of the High-Mass τ τ̄ Production Cross-Section at √s=13 TeV With the ATLAS Detector and Constraints on New Particles and Couplings

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30 Search for Decays of the Higgs Boson Into Scalar Particles Decaying Into Four or Six b Quarks Using Pp Collisions at √(s)=13 TeV With the ATLAS Detector

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32 Search for the Production of a Higgs Boson in Association With a Single Top Quark in Pp Collisions at √s=13 TeV With the ATLAS Detector

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33 Search for Events With One Displaced Vertex From Long-Lived Neutral Particles Decaying Into Hadronic Jets in the ATLAS Muon Spectrometer in Pp Collisions at √(s)=13 TeV

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36 Evidence for the Dimuon Decay of the Higgs Boson in Pp Collisions With the ATLAS Detector

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40 Measurement of the H → γ γ and H → ZZ^(*) → 4 ℓ Cross-Sections in Pp Collisions at √s=13.6 TeV With the ATLAS Detector

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42 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

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46 Search for Short- and Long-Lived Axion-Like Particles in H→ a a → 4γ Decays With the ATLAS Experiment at the LHC

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47 Search for Flavour-Changing Neutral-Current Couplings Between the Top Quark and the Higgs Boson in Multi-Lepton Final States in 13 TeV Pp Collisions With the ATLAS Detector

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

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60 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

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108 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

53 citations

109 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

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11 citations

110 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

31 citations

111 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

112 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

113 Measurement of the CP-Violating Phase φ_s in $B_s^0 \to J/\psi\,\varphi$ Decays in ATLAS at 13 TeV

European Physical Journal C · 81, 1-36

https://exaly.com/article/80096249

36 citations

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

European Physical Journal C · 81, 1-47

https://exaly.com/article/80102607

51 citations

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

European Physical Journal C · 81, 1-39

https://exaly.com/article/80206604

120 citations

Ordered by publication year, newest first

2021 / continued

116 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

https://exaly.com/article/80368265

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

61 citations

European Physical Journal C · 81, 1-36

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118 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

50 citations

Journal of High Energy Physics · 2021, 1-54

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

18 citations

Journal of High Energy Physics · 2021, 1-59

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120 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

https://exaly.com/article/80995881

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

58 citations

European Physical Journal C · 81, 1-32

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122 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

39 citations

Journal of High Energy Physics · 2021, 1-62

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123 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

30 citations

Journal of High Energy Physics · 2021, 1-57

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Ordered by publication year, newest first

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

Journal of High Energy Physics · 2021, 1-44

https://exaly.com/article/81264400

19 citations

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

Journal of High Energy Physics · 2021, 1-67

https://exaly.com/article/81286621

21 citations

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

Journal of High Energy Physics · 2021, 1-49

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9 citations

127 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

European Physical Journal C · 81, 1-33

https://exaly.com/article/81446482

53 citations

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

European Physical Journal C · 81, 1-29

https://exaly.com/article/81615775

22 citations

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

European Physical Journal C · 81, 1-49

https://exaly.com/article/81753649

317 citations

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

Journal of Instrumentation · 16, P08025

https://exaly.com/article/81801419

13 citations

131 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

European Physical Journal C · 81, 1-43

https://exaly.com/article/81918930

43 citations

132 Search for Dark Matter Produced in Association With a Single Top Quark in √s=13 TeV Pp Collisions With the ATLAS Detector

European Physical Journal C · 81, 1-37

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28 citations

Ordered by publication year, newest first

2021 / continued

133 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

Journal of High Energy Physics · 2021, 1-76

https://exaly.com/article/82808470

32 citations

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

European Physical Journal C · 81, 1-29

https://exaly.com/article/82920247

10 citations

135 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

Journal of High Energy Physics · 2021, 1-50

https://exaly.com/article/91240391

27 citations

136 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

European Physical Journal C · 81, 1-39

https://exaly.com/article/123288167

40 citations

137 Measurement of the t $\bar{t}$ t $\bar{t}$ Production Cross Section in Pp Collisions at √s = 13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2021, 1-53

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18 citations

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

Journal of High Energy Physics · 2021, 1-50

https://exaly.com/article/135185917

23 citations

139 Measurement of the Production Cross Section of Pairs of Isolated Photons in Pp Collisions at 13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2021, 1-53

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16 citations

140 Search for Exotic Decays of the Higgs Boson Into Long-Lived Particles in Pp Collisions at √s = 13 TeV Using Displaced Vertices in the ATLAS Inner Detector

Journal of High Energy Physics · 2021, 1-41

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15 citations

Ordered by publication year, newest first

2021 / continued

141 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
130 citations
European Physical Journal C · 81, 1-55
https://exaly.com/article/135270020

142 Configuration and Performance of the ATLAS b-Jet Triggers in Run 2
21 citations
European Physical Journal C · 81, 1-45
https://exaly.com/article/135359501

143 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
9 citations
Journal of High Energy Physics · 2021, 1-46
https://exaly.com/article/135604941

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144 Performance of the Missing Transverse Momentum Triggers for the ATLAS Detector During Run-2 Data Taking
32 citations
Journal of High Energy Physics · 2020, 1-53
https://exaly.com/article/75552878

145 Search for New Non-Resonant Phenomena in High-Mass Dilepton Final States With the ATLAS Detector
28 citations
Journal of High Energy Physics · 2020, 1-41
https://exaly.com/article/75714647

146 Measurements of the Higgs Boson Inclusive and Differential Fiducial Cross Sections in the 4 ℓ Decay Channel at √s = 13 TeV
89 citations
European Physical Journal C · 80, 1-67
https://exaly.com/article/75716562

147 Search for Direct Production of Electroweakinos in Final States With One Lepton, Missing Transverse Momentum and a Higgs Boson Decaying Into Two b-Jets in Pp Collisions at √s=13 TeV With the ATLAS Detector
95 citations
European Physical Journal C · 80, 1-29
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148 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
Journal of High Energy Physics · 2020, 1-58
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149 Search for the HH → bb̄bb̄ Process via Vector-Boson Fusion Production Using Proton-Proton Collisions at √s = 13 TeV With the ATLAS Detector

27 citations

Journal of High Energy Physics · 2020, 1-37

https://exaly.com/article/75921140

150 Observation of the Associated Production of a Top Quark and a Z Boson in Pp Collisions at √s = 13 TeV With the ATLAS Detector

17 citations

Journal of High Energy Physics · 2020, 1-46

https://exaly.com/article/75921142

151 Measurements of Top-Quark Pair Spin Correlations in the Eμ Channel at √s = 13 TeV Using Pp Collisions in the ATLAS Detector

68 citations

European Physical Journal C · 80, 1-43

https://exaly.com/article/76268829

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

113 citations

European Physical Journal C · 80, 1-54

https://exaly.com/article/76541949

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

53 citations

Journal of High Energy Physics · 2020, 1-45

https://exaly.com/article/76566128

154 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

23 citations

Journal of High Energy Physics · 2020, 1-44

https://exaly.com/article/77208373

155 Search for Tt̄ Resonances in Fully Hadronic Final States in Pp Collisions at √s = 13 TeV With the ATLAS Detector

28 citations

Journal of High Energy Physics · 2020, 1-43

https://exaly.com/article/84171649

156 Reconstruction and Identification of Boosted Di-τ Systems in a Search for Higgs Boson Pairs Using 13 TeV Proton-Proton Collision Data in ATLAS

13 citations

Journal of High Energy Physics · 2020, 1-47

https://exaly.com/article/84171821

157 Performance of Electron and Photon Triggers in ATLAS During LHC Run 2

350 citations

European Physical Journal C · 80, 1-41

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Ordered by publication year, newest first

2020 / continued

158 Search for Top Squarks in Events With a Higgs or Z Boson Using 139 Fb $^{-1}$ of Pp Collision Data at √s=13 TeV With the ATLAS Detector — 15 citations

European Physical Journal C · 80, 1-33

https://exaly.com/article/86084856

159 Evidence for $t\bar{t}t\bar{t}$ Production in the Multilepton Final State in Proton–Proton Collisions at √s=13 TeV With the ATLAS Detector — 93 citations

European Physical Journal C · 80, 1-32

https://exaly.com/article/86084860

160 Search for Heavy Diboson Resonances in Semileptonic Final States in Pp Collisions at √s=13 TeV With the ATLAS Detector — 86 citations

European Physical Journal C · 80, 1-41

https://exaly.com/article/86084867

161 Search for a Scalar Partner of the Top Quark in the All-Hadronic $t\bar{t}$ Plus Missing Transverse Momentum Final State at √s=13 TeV With the ATLAS Detector — 113 citations

European Physical Journal C · 80, 1-44

https://exaly.com/article/86085113

162 Alignment of the ATLAS Inner Detector in Run 2 — 32 citations

European Physical Journal C · 80, 1-41

https://exaly.com/article/118868872

163 Determination of Jet Calibration and Energy Resolution in Proton–Proton Collisions at √s = 8~\hbox TeV Using the ATLAS Detector — 33 citations

European Physical Journal C · 80, 1-81

https://exaly.com/article/119131796

2019

164 Constraints on Mediator-Based Dark Matter and Scalar Dark Energy Models Using √s = 13 TeV Pp Collision Data Collected by the ATLAS Detector — 54 citations

Journal of High Energy Physics · 2019, 1-87

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165 Measurement of the Cross-Section and Charge Asymmetry of W Bosons Produced in Proton–Proton Collisions at √s=8~TeV With the ATLAS Detector — 52 citations

European Physical Journal C · 79, 1-25

https://exaly.com/article/72512368

166 Electron Reconstruction and Identification in the ATLAS Experiment Using the 2015 and 2016 LHC Proton–Proton Collision Data at √s = 13 TeV — 206 citations

European Physical Journal C · 79, 1-40

https://exaly.com/article/72604919

Ordered by publication year, newest first

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167 Measurement of VH, H→ Bb̄ Production as a Function of the Vector-Boson Transverse Momentum in 13 TeV Pp Collisions With the ATLAS Detector
17 citations
Journal of High Energy Physics · 2019, 1-36
https://exaly.com/article/73057655

168 Performance of Top-Quark and \varvec{W} W -Boson Tagging With ATLAS in Run 2 of the LHC
99 citations
European Physical Journal C · 79, 1-54
https://exaly.com/article/73234635

169 Search for Doubly Charged Scalar Bosons Decaying Into Same-Sign W Boson Pairs With the ATLAS Detector
88 citations
European Physical Journal C · 79, 1-30
https://exaly.com/article/73553274

170 Measurement of the Photon Identification Efficiencies With the ATLAS Detector Using LHC Run 2 Data Collected in 2015 and 2016
92 citations
European Physical Journal C · 79, 1-41
https://exaly.com/article/73578670

171 Measurement of the Ratio of Cross Sections for Inclusive Isolated-Photon Production in Pp Collisions at √s = 13 and 8 TeV With the ATLAS Detector
12 citations
Journal of High Energy Physics · 2019, 1-47
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172 Search for Pair Production of Higgs Bosons in the Bb̄bb̄ Final State Using Proton-Proton Collisions at √s=13 TeV With the ATLAS Detector
64 citations
Journal of High Energy Physics · 2019, 1-49
https://exaly.com/article/73705757

173 Measurement of Fiducial and Differential W^+W^- Production Cross-Sections at √s=13 TeV With the ATLAS Detector
89 citations
European Physical Journal C · 79, 1-34
https://exaly.com/article/73817794

174 Measurement of W^(±) -Boson and Z-Boson Production Cross-Sections in Pp Collisions at √s=2.76 TeV With the ATLAS Detector
18 citations
European Physical Journal C · 79, 1-29
https://exaly.com/article/73865816

175 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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176 ATLAS b-Jet Identification Performance and Efficiency Measurement With Tt̄ Events in Pp Collisions at √s=13 TeV

396 citations

European Physical Journal C · 79, 1-36

https://exaly.com/article/73946415

177 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

https://exaly.com/article/74353144

2018

178 Search for Additional Heavy Neutral Higgs and Gauge Bosons in the Ditau Final State Produced in 36 Fb−1 of Pp Collisions at s=13 √s=13 TeV With the ATLAS Detector

133 citations

Journal of High Energy Physics · 2018, 1-54

https://exaly.com/article/69044501

179 Measurement of the W-Boson Mass in Pp Collisions at √s=7 \hbox TeV s = 7 TeV With the ATLAS Detector

300 citations

European Physical Journal C · 78, 1-61

https://exaly.com/article/69098785

180 Search for New Phenomena in High-Mass Final States With a Photon and a Jet From Pp Collisions at √s = 13 TeV With the ATLAS Detector

18 citations

European Physical Journal C · 78, 1-25

https://exaly.com/article/69248751

181 Search for the Direct Production of Charginos and Neutralinos in Final States With Tau Leptons in √s = 13TeV s = 13 TeV Pp Collisions With the ATLAS Detector

66 citations

European Physical Journal C · 78, 1-33

https://exaly.com/article/69248761

182 Measurement of Longitudinal Flow Decorrelations in Pb+Pb Collisions at √(s_(NN))=2.76 and 5.02 TeV With the ATLAS Detector

95 citations

European Physical Journal C · 78, 1-37

https://exaly.com/article/69248763

183 Measurement of Quarkonium Production in Proton–Lead and Proton–Proton Collisions at 5.02~TeV 5.02 TeV With the ATLAS Detector

104 citations

European Physical Journal C · 78, 1-32

https://exaly.com/article/69248769

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2018 / continued

184 Measurement of Differential Cross-Sections of a Single Top Quark Produced in Association With a W Boson at √s=13TeV s = 13 TeV With ATLAS

31 citations

European Physical Journal C · 78, 1-29

https://exaly.com/article/69248775

185 Search for Heavy ZZ Resonances in the ℓ +ℓ −ℓ +ℓ − ℓ + ℓ - ℓ + ℓ - And ℓ +ℓ −ν Bar(ν) ℓ + ℓ - ν ν ¯ Final States Using Proton–Proton Collisions at √s= 13 s = 13 TeV TeV With the ATLAS Detector

116 citations

European Physical Journal C · 78, 1-34

https://exaly.com/article/69248790

186 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

187 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

https://exaly.com/article/69258780

188 Direct Top-Quark Decay Width Measurement in the \varvec{t\bar{t}} t t ¯ Lepton+Jets Channel at √s=8~TeV s = 8 TeV With the ATLAS Experiment

21 citations

European Physical Journal C · 78, 1-30

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189 Search for W W/W Z Resonance Production in ℓνqq Final States in Pp Collisions at √s=13 TeV With the ATLAS Detector

35 citations

Journal of High Energy Physics · 2018, 1-45

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190 Measurement of the Higgs Boson Coupling Properties in the H → ZZ∗ → 4ℓ Decay Channel at √s=13 TeV With the ATLAS Detector

62 citations

Journal of High Energy Physics · 2018, 1-60

https://exaly.com/article/69282540

191 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

European Physical Journal C · 78, 1-23

https://exaly.com/article/70021885

192 Search for Higgs Boson Pair Production in the γ γ WW^(*) γ γ W W ∗ Channel Using Pp Pp Collision Data Recorded at √s s =13 = 13 TeV With the ATLAS Detector

73 citations

European Physical Journal C · 78, 1-26

https://exaly.com/article/70021886

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2018 / continued

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

European Physical Journal C · 78, 1-31

https://exaly.com/article/70039079

25 citations

194 Search for a New Heavy Gauge-Boson Resonance Decaying Into a Lepton and Missing Transverse Momentum in 36 Fb $^{-1}$ of Pp Collisions at √s = 13 TeV With the ATLAS Experiment

European Physical Journal C · 78, 1-23

https://exaly.com/article/70424363

58 citations

195 Search for New Phenomena in Events With Same-Charge Leptons and b-Jets in Pp Collisions at √s=13 TeV With the ATLAS Detector

Journal of High Energy Physics · 2018, 1-56

https://exaly.com/article/70468579

45 citations

196 Measurement of the Azimuthal Anisotropy of Charged Particles Produced in √(s_(_NN)) s NN = 5.02 TeV Pb+Pb Collisions With the ATLAS Detector

European Physical Journal C · 78, 1-35

https://exaly.com/article/70470301

87 citations

197 Performance of Missing Transverse Momentum Reconstruction With the ATLAS Detector Using Proton–Proton Collisions at √s=13~\hbox TeV

European Physical Journal C · 78, 1-46

https://exaly.com/article/70501730

284 citations

198 Search for Electroweak Production of Supersymmetric Particles in Final States With Two or Three Leptons at √s=13\hbox TeV s = 13 TeV With the ATLAS Detector

European Physical Journal C · 78, 1-36

https://exaly.com/article/70533471

172 citations

199 Operation and Performance of the ATLAS Tile Calorimeter in Run 1

European Physical Journal C · 78, 1-48

https://exaly.com/article/70552746

36 citations

200 Search for Top-Squark Pair Production in Final States With One Lepton, Jets, and Missing Transverse Momentum Using 36 Fb−1 of √s=13 TeV Pp Collision Data With the ATLAS Detector

Journal of High Energy Physics · 2018, 1-96

https://exaly.com/article/70665524

52 citations

201 Prompt and Non-Prompt J/ψ J / ψ and ψ (2S) ψ (2 S) Suppression at High Transverse Momentum in 5.02~TeV 5.02 TeV Pb+Pb Collisions With the ATLAS Experiment

European Physical Journal C · 78, 1-28

https://exaly.com/article/70779410

92 citations

Ordered by publication year, newest first

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

52 citations

Journal of High Energy Physics · 2018, 1-47

https://exaly.com/article/70886298

203 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

https://exaly.com/article/70889324

204 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

https://exaly.com/article/70916132

205 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

https://exaly.com/article/70988558

206 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

https://exaly.com/article/71114302

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

43 citations

Journal of High Energy Physics · 2018, 1-47

https://exaly.com/article/71311548

208 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

https://exaly.com/article/71500498

209 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

Ordered by publication year, newest first

2018 / continued

210 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

211 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

Journal of High Energy Physics · 2018, 1-60

https://exaly.com/article/71716131

2017

212 Measurement of the \varvec{t\bar{t}Z} and \varvec{t\bar{t}W} Production Cross Sections in Multilepton Final States Using 3.2 Fb $^{-1}$ of \varvec{Pp} Collisions at √s = 13 TeV With the ATLAS Detector

58 citations

European Physical Journal C · 77, 1-29

https://exaly.com/article/66053527

213 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

Journal of High Energy Physics · 2017, 1-41

https://exaly.com/article/66246987

214 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

https://exaly.com/article/66393344

215 Measurement of the W Boson Polarisation in Tt̄ t $^{-}$ Events From Pp Collisions at √s s = 8 TeV in the Lepton + Jets Channel With ATLAS

43 citations

European Physical Journal C · 77, 1-28

https://exaly.com/article/66397438

216 Electron Efficiency Measurements With the ATLAS Detector Using 2012 LHC Proton–Proton Collision Data

139 citations

European Physical Journal C · 77, 1-45

https://exaly.com/article/66446069

217 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

European Physical Journal C · 77, 1-30

https://exaly.com/article/66446070

Ordered by publication year, newest first

2017 / continued

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

75 citations

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91 citations

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45 citations

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4 citations

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197 citations

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17 citations

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24 citations

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17 citations

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154 citations

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82 citations

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318 citations

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14 citations

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60 citations

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17 citations

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24 citations

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17 citations

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79 citations

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51 citations

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14 citations

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76 citations

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19 citations

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21 citations

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18 citations

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70 citations

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126 citations

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29 citations

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65 citations

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41 citations

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102 citations

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22 citations

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252 citations

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64 citations

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94 citations

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249 citations

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76 citations

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59 citations

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44 citations

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49 citations

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56 citations

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225 citations

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172 citations

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