

Joseph Reichert

List of Publications by Year in descending order

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Version: 2024-02-01

281
papers

11,818
citations

26610

56
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43868

91
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299
all docs

299
docs citations

299
times ranked

8513
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 6 |
| 2 | Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 5 |
| 3 | Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 1 |
| 4 | Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 13 |
| 5 | Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 5 |
| 6 | Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 12 |
| 7 | Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 2 |
| 8 | Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 6 |
| 9 | Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 5 |
| 10 | Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 1.6 | 2 |
| 11 | Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 2 |
| 12 | Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 4 |
| 13 | Observation of $B^0 \rightarrow \psi(2S) K^0_{\text{S}} \mu^+ \mu^-$ and $B^0_{\text{S}} \rightarrow \psi(2S) K^0_{\text{S}} \mu^+ \mu^-$ decays. European Physical Journal C, 2022, 82, . | 1.4 | 1 |
| 14 | Measurement of hadronic event shapes in high-pT multijet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 4 |
| 15 | Differential cross-section measurements for the electroweak production of dijets in association with a Z boson in proton-proton collisions at ATLAS. European Physical Journal C, 2021, 81, 1. | 1.4 | 12 |
| 16 | Measurements of WH and ZH production in the $H \rightarrow \bar{b}b$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 1.4 | 38 |
| 17 | Search for new phenomena with top quark pairs in final states with one lepton, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 14 |
| 18 | Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 1.4 | 3 |

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|----|--|-----|-----------|
| 19 | Jet energy scale and resolution measured in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 1.4 | 64 |
| 20 | Measurements of top-quark pair single- and double-differential cross-sections in the all-hadronic channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 14 |
| 21 | Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 970. | 1.4 | 18 |
| 22 | Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 17 |
| 23 | Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 24 |
| 24 | Measurements of the Higgs boson inclusive and differential fiducial cross sections in the 4ℓ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1. | 1.4 | 32 |
| 25 | Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 28 |
| 26 | Search for direct production of electroweakinos in final states with one lepton, missing transverse momentum and a Higgs boson decaying into two b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 34 |
| 27 | Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV pp collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 8 |
| 28 | Measurement of isolated-photon plus two-jet production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 3 |
| 29 | Measurements of the production cross-section for a Z boson in association with b-jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 11 |
| 30 | Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 17 |
| 31 | Observation of the associated production of a top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 12 |
| 32 | Measurement of the transverse momentum distribution of Drell-Yan lepton pairs in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 28 |
| 33 | Search for direct production of electroweakinos in final states with missing transverse momentum and a Higgs boson decaying into photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 4 |
| 34 | Measurements of top-quark pair spin correlations in the $\mu\mu$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 22 |
| 35 | Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 13$ TeV proton-proton collisions recorded by ATLAS in Run 2 of the LHC. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 12 |
| 36 | Higgs boson production cross-section measurements and their EFT interpretation in the 4ℓ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 41 |

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|----|--|-----|-----------|
| 37 | Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 36 |
| 38 | Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb^{-1} of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 19 |
| 39 | Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13$ TeV proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 7 |
| 40 | Measurement of the $Z(\hat{a}^+ \hat{a}, \hat{a}, \hat{a}^-)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 9 |
| 41 | Measurement of long-range two-particle azimuthal correlations in Z-boson tagged pp collisions at $\sqrt{s} = 8$ and 13 TeV. European Physical Journal C, 2020, 80, 1. | 1.4 | 5 |
| 42 | Transverse momentum and process dependent azimuthal anisotropies in $\sqrt{s} = 8.16$ TeV p+Pb collisions with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 12 |
| 43 | Measurement of J/ψ production in association with a W_{\pm} boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 10 |
| 44 | Search for new resonances in mass distributions of jet pairs using 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 68 |
| 45 | Search for $\overline{t}t$ resonances in fully hadronic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 14 |
| 46 | Reconstruction and identification of boosted $d\bar{t}$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 8 |
| 47 | Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1. | 1.4 | 93 |
| 48 | Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 124 |
| 49 | Search for top squarks in events with a Higgs or Z boson using 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 4 |
| 50 | Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 29 |
| 51 | Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 21 |
| 52 | Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 36 |
| 53 | Determination of jet calibration and energy resolution in proton-proton collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 1.4 | 15 |
| 54 | Constraints on mediator-based dark matter and scalar dark energy models using $\sqrt{s} = 13$ TeV pp collision data collected by the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 49 |

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|----|---|-----|-----------|
| 55 | Search for long-lived neutral particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. European Physical Journal C, 2019, 79, 1. | 1.4 | 28 |
| 56 | Search for Higgs boson pair production in the $WW^{(*)}WW^{(*)}$ decay channel using ATLAS data recorded at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 21 |
| 57 | Search for large missing transverse momentum in association with one top-quark in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 8 |
| 58 | Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 41 |
| 59 | Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 30 |
| 60 | Search for scalar resonances decaying into $\tilde{l}_4 + \tilde{l}_4^*$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 15 |
| 61 | Search for diboson resonances in hadronic final states in 139 fb^{-1} of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 20 |
| 62 | Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, . | 1.4 | 4 |
| 63 | Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, . | 1.4 | 21 |
| 64 | Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 24 |
| 65 | Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 13 |
| 66 | Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1. | 1.4 | 77 |
| 67 | Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 3 |
| 68 | Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 27 |
| 69 | Search for top-quark decays $t \rightarrow Hq$ with 36 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 19 |
| 70 | Measurement of VH , $\text{H} \rightarrow \text{b}\bar{\text{b}}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 14 |
| 71 | Measurements of W and Z boson production in pp collisions at $\sqrt{s} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 17 |
| 72 | Performance of top-quark and W -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1. | 1.4 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | Measurements of inclusive and differential fiducial cross-sections of γ production in leptonic final states at $\sqrt{s}=13\text{-ext}\{\text{TeV}\}$ in ATLAS. European Physical Journal C, 2019, 79, 1. | 1.4 | 14 |
| 74 | Electron and photon energy calibration with the ATLAS detector using 2015–2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017. | 0.5 | 37 |
| 75 | Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58. | 1.4 | 61 |
| 76 | Search for heavy Majorana or Dirac neutrinos and right-handed W gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 39 |
| 77 | In situ calibration of large-radius jet energy and mass in 13 TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 28 |
| 78 | Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1. | 1.4 | 46 |
| 79 | Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s} = 13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 6 |
| 80 | Measurement of the top quark mass in the $t \rightarrow t \bar{t} \hat{t}'$. European Physical Journal C, 2019, 79, 1. | 1.4 | 47 |
| 81 | Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 55 |
| 82 | A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1. | 1.4 | 25 |
| 83 | Measurement of the top-quark mass in $t\bar{t} + 1\text{-jet}$ events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8\text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 27 |
| 84 | Measurement of fiducial and differential W^+W^- production cross-sections at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 24 |
| 85 | Measurement of ZZ production in the $\hat{a}, \hat{a}, \hat{1}/2\hat{1}/2$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13\text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 6 |
| 86 | Measurement of W^{\pm} -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 8 |
| 87 | Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 50 |
| 88 | Measurement of W^{\pm} boson production in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02\text{-ext}\{\text{TeV}\}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 17 |
| 89 | ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2019, 79, 1. | 1.4 | 130 |
| 90 | Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and proton-lead collisions at $\sqrt{s_{\text{NN}}} = 5.02\text{-hbox}\{\text{TeV}\}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 36 |

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|-----|--|-----|-----------|
| 91 | Measurements of top-quark pair differential and double-differential cross-sections in the ell^+ell^-+jets channel with pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 34 |
| 92 | Search for bottom-quark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 14 |
| 93 | Measurement of the inclusive isolated-photon cross section in pp collisions at $\sqrt{s} = 13$ TeV using 36 fb^{-1} of ATLAS data. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 5 |
| 94 | Measurement of S^0 and Λ^0 production in $t\bar{t}$ dileptonic events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1. | 1.4 | 4 |
| 95 | Search for additional heavy neutral Higgs and gauge bosons in the ditau final state produced in 36 fb^{-1} of pp collisions at $s = 13\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 116 |
| 96 | Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $s = 13\sqrt{s}=13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 17 |
| 97 | Measurement of the W-boson mass in pp collisions at $\sqrt{s}=7$, $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 110. | 1.4 | 218 |
| 98 | Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at \sqrt{s} s. European Physical Journal C, 2018, 78, 102. | 1.4 | 13 |
| 99 | Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13, \sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154. | 1.4 | 52 |
| 100 | Measurement of longitudinal flow decorrelations in Pb+Pb collisions at $\sqrt{s_{NN}}=2.76$ s $_{NN} = 2.76$ and 5.0. European Physical Journal C, 2018, 78, 142. | 1.4 | 59 |
| 101 | Measurement of quarkonium production in proton-lead and proton-proton collisions at $5.02\text{--}5.02\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2018, 78, 171. | 1.4 | 75 |
| 102 | Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s}=\{13\}$ TeV $s = 13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186. | 1.4 | 20 |
| 103 | Search for heavy ZZ resonances in the $ell^+ell^-ell^+ell^-+jets$ final states using proton-lead collisions at $\sqrt{s}=13$ s $s = 13\sqrt{s}$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293. | 1.4 | 101 |
| 104 | A search for pair-produced resonances in four-jet final states at $\sqrt{s}=13$ s $s = 13\sqrt{s}$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250. | 1.4 | 66 |
| 105 | Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in 36 fb^{-1} of $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 40 |
| 106 | Search for heavy resonances decaying into WW in the $e\mu u e\gamma\gamma$ final state in pp collisions at $\sqrt{s}=13$ s $s = 13\sqrt{s}$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24. | 1.4 | 108 |
| 107 | Direct top-quark decay width measurement in the $t\bar{t}+lepton+jets$ channel at $\sqrt{s}=8\text{--}8$ TeV $s = 8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129. | 1.4 | 17 |
| 108 | Search for W/W Z resonance production in $\gamma\gamma$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 31 |

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|-----|---|-----|-----------|
| 109 | Measurement of the Higgs boson coupling properties in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 46 |
| 110 | Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $H \rightarrow a\ell\ell$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 28 |
| 111 | Measurement of the $Z\gamma \rightarrow u\bar{u}\gamma$ production cross section in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector and limits on anomalous triple gauge-boson couplings. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 10 |
| 112 | Prompt and non-prompt J/ψ elliptic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 784. | 1.4 | 19 |
| 113 | Search for Higgs boson pair production in the $\gamma\gamma WW$ channel using pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 1007. | 1.4 | 53 |
| 114 | Measurement of colour flow using jet-pull observables in $t\bar{t}$ events with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 847. | 1.4 | 16 |
| 115 | Angular analysis of $B \rightarrow \ell\ell\bar{K}^{*0}$ decays in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 76 |
| 116 | Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb ⁻¹ of pp collisions at. European Physical Journal C, 2018, 78, 401. | 1.4 | 50 |
| 117 | Search for dark matter in events with a hadronically decaying vector boson and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 29 |
| 118 | Measurements of differential cross sections of top quark pair production in association with jets in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 9 |
| 119 | Search for Higgs boson pair production in the $\gamma\gamma b\bar{b}$ final state with 13 TeV pp collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 38 |
| 120 | Search for new phenomena in events with same-charge leptons and b-jets in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 30 |
| 121 | Measurement of the azimuthal anisotropy of charged particles produced in $\sqrt{s_{NN}} = 5.02$ TeV Pb+Pb collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 997. | 1.4 | 51 |
| 122 | Performance of missing transverse momentum reconstruction with the ATLAS detector using proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 903. | 1.4 | 181 |
| 123 | Search for electroweak production of supersymmetric particles in final states with two or three leptons at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 995. | 1.4 | 125 |
| 124 | Search for charged Higgs bosons decaying into top and bottom quarks at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 56 |
| 125 | Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987. | 1.4 | 25 |
| 126 | Search for supersymmetry in final states with missing transverse momentum and multiple b-jets in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 37 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Search for pair production of heavy vector-like quarks decaying into high-pT W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 22 |
| 128 | Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using 36 fb^{-1} of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 48 |
| 129 | Search for long-lived charginos based on a disappearing-track signature in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 67 |
| 130 | Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 15 |
| 131 | Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tilde{l}, \tilde{l}^*/2$, in the $\tilde{l}, +\text{jets}$ and $\tilde{l}, +\text{lepton}$ final states with 36 fb^{-1} of pp collision data recorded at $\sqrt{s}=13$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 59 |
| 132 | Prompt and non-prompt J/ψ and $\psi(2S)$ suppression at high transverse momentum in 5.02 TeV Pb+Pb collisions with the ATLAS experiment. European Physical Journal C, 2018, 78, 762. | 1.4 | 61 |
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