

The anti- $k_t$  jet clustering algorithm

Journal of High Energy Physics

2008, 063-063

DOI: [10.1088/1126-6708/2008/04/063](https://doi.org/10.1088/1126-6708/2008/04/063)

Citation Report

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Quantifying the performance of jet definitions for kinematic reconstruction at the LHC. Journal of High Energy Physics, 2008, 2008, 032-032.        | 1.6 | 42        |
| 2  | Novel Reconstruction Technique for New Physics Processes with Initial State Radiation. Physical Review Letters, 2009, 103, 151802.                  | 2.9 | 42        |
| 3  | Jet energy correction in CMS. , 2009, , .   |     | 0         |
| 4  | Jets with variable R. Journal of High Energy Physics, 2009, 2009, 059-059.  | 1.6 | 66        |
| 5  | On the universality of hadronisation corrections to QCD jets. Journal of High Energy Physics, 2009, 2009, 004-004.                                  | 1.6 | 12        |
| 6  | Recent progress in defining jets. Nuclear Physics, Section B, Proceedings Supplements, 2009, 191, 131-140.  | 0.5 | 3         |
| 7  | Exploring Jet Properties in p-p Collisions at 200 GeV with STAR. Nuclear Physics A, 2009, 830, 263c-266c.   | 0.6 | 8         |
| 8  | Full Jet Reconstruction in Heavy Ion Collisions. Nuclear Physics A, 2009, 830, 139c-146c.   | 0.6 | 17        |
| 9  | Initial state nuclear effects for jet production measured in $\sqrt{s} = 200$ GeV d+Au collisions by STAR. Nuclear Physics A, 2009, 830, 619c-620c. | 0.6 | 2         |
| 10 | Inclusive cross section and correlations of fully reconstructed jets in Au + Au and collisions. Nuclear Physics A, 2009, 830, 255c-258c.            | 0.6 | 43        |
| 11 | Summary of the HERA-LHC workshop. Nuclear Physics, Section B, Proceedings Supplements, 2009, 191, 295-306.  | 0.5 | 1         |
| 12 | A short review on jet identification. European Physical Journal C, 2009, 62, 119-125.   | 1.4 | 4         |
| 13 | Q-PYTHIA: a medium-modified implementation of final state radiation. European Physical Journal C, 2009, 63, 679.                                    | 1.4 | 125       |
| 14 | jet production at the Tevatron. Physical Review D, 2009, 80, .  | 1.6 | 72        |
| 15 | The race for supersymmetry: Using $m_T$ discovery. Physical Review D, 2009, 80, .   |     | 21        |
| 16 | Substructure of high- $p_T$ jets at the LHC. Physical Review D, 2009, 79, .   | 1.6 | 124       |
| 17 | Next-to-leading order QCD predictions for $W+3$ -jet distributions at hadron colliders. Physical Review D, 2009, 80, .                              | 1.6 | 127       |
| 18 | Overview on jet results from STAR. Journal of Physics: Conference Series, 2010, 230, 012009.  | 0.3 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Jet production in ep collisions at high $Q^2$ and determination of $\hat{\Lambda} \pm s$ . European Physical Journal C, 2010, 65, 363-383.   | 1.4 | 60        |
| 20 | Towards jetography. European Physical Journal C, 2010, 67, 637-686.  | 1.4 | 279       |
| 21 | CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.                                 | 1.4 | 120       |
| 22 | Seeing in Color: Jet Superstructure. Physical Review Letters, 2010, 105, 022001.   | 2.9 | 118       |
| 23 | Multiparton interactions and rescattering. Journal of High Energy Physics, 2010, 2010, 1.  | 1.6 | 57        |
| 24 | Jet trimming. Journal of High Energy Physics, 2010, 2010, 1.   | 1.6 | 449       |
| 25 | New physics signals in longitudinal gauge boson scattering at the LHC. Journal of High Energy Physics, 2010, 2010, 1.                        | 1.6 | 49        |
| 26 | On the characterisation of the underlying event. Journal of High Energy Physics, 2010, 2010, 1.  | 1.6 | 86        |
| 27 | Non-global logarithms in filtered jet algorithms. Journal of High Energy Physics, 2010, 2010, 1.   | 1.6 | 28        |
| 28 | Measuring the polarization of boosted hadronic tops. Journal of High Energy Physics, 2010, 2010, 1.  | 1.6 | 42        |
| 29 | Optimal jet radius in kinematic dijet reconstruction. Journal of High Energy Physics, 2010, 2010, 1.   | 1.6 | 8         |
| 30 | Combining subjet algorithms to enhance ZH detection at the LHC. Journal of High Energy Physics, 2010, 2010, 1.                               | 1.6 | 66        |
| 31 | Non-global logarithms and jet algorithms in high- $p_T$ jet shapes. Journal of High Energy Physics, 2010, 2010, 1.                           | 1.6 | 69        |
| 32 | Discovery potential of top-partners in a realistic composite Higgs model with early LHC data. Journal of High Energy Physics, 2010, 2010, 1. | 1.6 | 35        |
| 33 | Performance of the ATLAS detector using first collision data. Journal of High Energy Physics, 2010, 2010, 1.                                 | 1.6 | 18        |
| 34 | Giant QCD K-factors beyond NLO. Journal of High Energy Physics, 2010, 2010, 1.   | 1.6 | 116       |
| 35 | R-parity violating resonant stop production at the Large Hadron Collider. Journal of High Energy Physics, 2010, 2010, 1.                     | 1.6 | 15        |
| 36 | SLIM at LHC: LHC search power for a model linking dark matter and neutrino mass. Journal of High Energy Physics, 2010, 2010, 1.              | 1.6 | 9         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Next-to-leading order QCD predictions for $W + W + jj$ production at the LHC. Journal of High Energy Physics, 2010, 2010, 1.   | 1.6 | 81        |
| 38 | Jet Production in proton-proton collisions at $\sqrt{s}=7$ TeV. Nuclear Physics, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 689, 82-89.  | 0.5 | 0         |
| 39 | Inclusive jet cross sections in NC DIS at HERA and a comparison of the $k_T$ and $p_T$ jet algorithms. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 689, 82-89. | 1.5 | 24        |
| 40 | The Hunt for New Physics at the Large Hadron Collider. Nuclear Physics, Section B, Proceedings Supplements, 2010, 200-202, 185-417.  | 0.5 | 104       |
| 41 | Search for Quark Compositeness with the Dijet Centrality Ratio in $pp$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2010, 105, 262001.   | 2.9 | 41        |
| 42 | Search for Dijet Resonances in $pp$ Collisions at CMS. Physical Review Letters, 2010, 105, 211801.   | 2.9 | 126       |
| 43 | Search for New Particles in Two-Jet Final States in $7\hat{\text{A}}\text{TeV}$ Proton-Proton Collisions with the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 161801.                   | 2.9 | 113       |
| 44 | Template overlap method for massive jets. Physical Review D, 2010, 82, .   | 1.6 | 50        |
| 45 | Tau-sneutrino next-to-lightest supersymmetric particle and multilepton signatures at the LHC. Physical Review D, 2010, 82, .   | 1.6 | 4         |
| 46 | Jet Physics at the Tevatron. Annual Review of Nuclear and Particle Science, 2010, 60, 267-297.   | 3.5 | 9         |
| 47 | Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.  | 2.9 | 581       |
| 48 | Observation of a Centrality-Dependent Dijet Asymmetry in Lead-Lead Collisions at the ATLAS Detector at the LHC. Physical Review Letters, 2010, 105, 252303.  | 1.6 | 87        |
| 49 | Boosting Higgs boson discovery: The forgotten channel. Physical Review D, 2010, 82, .  | 1.6 | 26        |
| 50 | Recombination algorithms and jet substructure: Pruning as a tool for heavy particle searches. Physical Review D, 2010, 81, .   | 1.6 | 194       |
| 51 | New approach for jet-shape identification of TeV-scale particles at the LHC. Physical Review D, 2010, 82, .  | 1.6 | 5         |
| 52 | Prospects for observing the standard model Higgs boson decaying into $b\bar{b}$ final states produced in weak boson fusion with an associated photon at the LHC. Physical Review D, 2010, 82, .            | 1.6 | 3         |
| 53 | Searches for TeV-scale particles at the LHC using jet shapes. Physical Review D, 2010, 81, .   | 1.6 | 15        |
| 54 | Consistent factorization of jet observables in exclusive multijet cross sections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 689, 82-89.                      | 1.5 | 37        |



| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 73 | Local hadron calibration with ATLAS. Journal of Physics: Conference Series, 2011, 293, 012057.   | 0.3 | 0         |
| 74 | First Results of Searches for New Physics at TeV with the CMS detector. Journal of Physics: Conference Series, 2011, 335, 012075.  | 0.3 | 0         |
| 75 | New Physics with the ATLAS detector: experimental prospects. Journal of Physics: Conference Series, 2011, 335, 012076.   | 0.3 | 0         |
| 76 | Jets in 200 GeV p+p and d+Au collisions from the STAR experiment at RHIC. Journal of Physics: Conference Series, 2011, 270, 012015.  | 0.3 | 3         |
| 77 | Jet reconstruction and underlying event studies in p+p and d+Au collisions from STAR. Journal of Physics: Conference Series, 2011, 316, 012013.  | 0.3 | 0         |
| 78 | In Situ Measurements of the Jet Energy Scale in ATLAS. Journal of Physics: Conference Series, 2011, 323, 012003.   | 0.3 | 0         |
| 79 | Measurement of multi-jet cross-sections in proton-proton collisions at 7 TeV center-of-mass energy in ATLAS. Journal of Physics: Conference Series, 2011, 323, 012006.                   | 0.3 | 0         |
| 80 | Supersymmetry Searches in multijet events with CMS. Journal of Physics: Conference Series, 2011, 323, 012009.  | 0.3 | 1         |
| 81 | Performance of the ATLAS Trigger with Proton Collisions at the LHC. Journal of Physics: Conference Series, 2011, 331, 032027.  | 0.3 | 2         |
| 82 | First measurement of jets and missing transverse energy with the ATLAS calorimeter at $\sqrt{s}=900$ GeV and $\sqrt{s}=7$ TeV. Journal of Physics: Conference Series, 2011, 293, 012064. | 0.3 | 0         |
| 83 | Top mass reconstruction in ATLAS. Journal of Physics: Conference Series, 2011, 323, 012011.  | 0.3 | 0         |
| 84 | W/Z+jets with the CMS detector. Journal of Physics: Conference Series, 2011, 323, 012013.  | 0.3 | 0         |
| 85 | Experiences on QCD Monte Carlo simulations: a user point of view on the inclusive jet cross-section simulations. Journal of Physics: Conference Series, 2011, 323, 012016.               | 0.3 | 0         |
| 86 | Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.   | 0.5 | 102       |
| 87 | Tau reconstruction and identification with 7 TeV collisions in ATLAS. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 273-278.   | 0.5 | 0         |
| 88 | Early searches for new physics with $\tilde{l}$ , leptons using the ATLAS detector. Nuclear Physics, Section B, Proceedings Supplements, 2011, 218, 279-284.                             | 0.5 | 0         |
| 89 | Highlights in Forward Physics from CMS. Nuclear Physics, Section B, Proceedings Supplements, 2011, 219-220, 153-157.   | 0.5 | 0         |
| 90 | Standard Model results from ATLAS. Nuclear Physics, Section B, Proceedings Supplements, 2011, 219-220, 201-208.  | 0.5 | 0         |

| #   | Applications of the CDF  overflow="scroll"<br><a href="http://www.elsevier.com/xml/xocs/dtd">http://www.elsevier.com/xml/xocs/dtd</a> <a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a><br><a href="http://www.w3.org/2001/XMLSchema-instance">http://www.w3.org/2001/XMLSchema-instance</a> <a href="http://www.elsevier.com/xml/ja/dtd">http://www.elsevier.com/xml/ja/dtd</a><br><a href="http://www.elsevier.com/xml/ja/dtd">http://www.elsevier.com/xml/ja/dtd</a> <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a><br><a href="http://www.elsevier.com/xml/common/table/dtd">http://www.elsevier.com/xml/common/table/dtd</a> in pp collisions at <br><a href="http://www.elsevier.com/xml/xocs/dtd">http://www.elsevier.com/xml/xocs/dtd</a> <a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a><br><a href="http://www.w3.org/2001/XMLSchema">http://www.w3.org/2001/XMLSchema</a><br><a href="http://www.w3.org/2001/XMLSchema-instance">http://www.w3.org/2001/XMLSchema-instance</a> <a href="http://www.elsevier.com/xml/ja/dtd">http://www.elsevier.com/xml/ja/dtd</a><br>Search for first generation scalar leptoquarks in the <br><a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif" overflow="scroll" > <br>mathvariant="normal" > e  <  $\frac{1}{2}$ <  <br>channel in pp collisions at <br><a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si2.gif"<br>overflow="scroll" >  <  s <  <  <  = <  <  7 <  < <br>Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters,<br>Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.<br>Search for neutral MSSM Higgs bosons decaying to <br><a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif"<br>overflow="scroll" >  <  $\bar{l}$ , <  $\bar{l}$ <  + <  $\bar{l}$ <  <  <  $\bar{l}$ <  $\bar{l}$ < <br>pairs in protonâ€“proton collisions at  <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a><br>altimg="si2.gif"<br>Search for new phenomena with the monojet and missing transverse momentum signature using the<br>ATLAS detector in  <a href="http://www.w3.org/1998/Math/MathML">http://www.w3.org/1998/Math/MathML</a> altimg="si1.gif"<br>overflow="scroll" >  <  s <  <  <  = <  <  7 <  < <br>width="0.25em" / >  TeV <  <  protonâ€“proton collisions. Physics<br>Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 294-312. | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | 1.5  | 36  |           |
| 92  | 1.5  | 14  |           |
| 93  | 1.5  | 12  |           |
| 94  | 1.5  | 118 |           |
| 95  | 1.5  | 45  |           |
| 96  | 1.5  | 11  |           |
| 97  | 1.4  | 114 |           |
| 98  | 1.4  | 50  |           |
| 99  | 1.4  | 4   |           |
| 100 | 1.4  | 22  |           |
| 101 | 1.4  | 146 |           |
| 102 | 1.4  | 17  |           |
| 103 | 1.4  | 31  |           |
| 104 | 1.4  | 18  |           |
| 105 | 1.4  | 42  |           |
| 106 | 1.4  | 41  |           |
| 107 | 1.4  | 33  |           |
| 108 | 1.4  | 37  |           |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 109 | Limits on the production of the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.                                    | 1.4 | 40        |
| 110 | Measurement of multi-jet cross sections in proton-proton collisions at a 7 TeV center-of-mass energy. European Physical Journal C, 2011, 71, 1.   | 1.4 | 60        |
| 111 | Measurement of the jet fragmentation function and transverse profile in proton-proton collisions at a center-of-mass energy of 7 TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1. | 1.4 | 56        |
| 112 | Search for massive colored scalars in four-jet final states in $\sqrt{s}=7$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2011, 71, 1.                             | 1.4 | 39        |
| 113 | Measurement of the inclusive and dijet cross-sections of b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2011, 71, 1.                                 | 1.4 | 73        |
| 114 | JETS and QCD: a historical review of the discovery of the quark and gluon jets and its impact on QCD. European Physical Journal H, 2011, 36, 245-326.   | 0.5 | 32        |
| 115 | Supersymmetric monojets at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 20        |
| 116 | Complete off-shell effects in top quark pair hadroproduction with leptonic decay at next-to-leading order. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 148       |
| 117 | Identifying boosted objects with N-subjettiness. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 524       |
| 118 | Heavy squarks at the LHC. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 13        |
| 119 | Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 23        |
| 120 | Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.                                      | 1.6 | 32        |
| 121 | Multivariate discrimination and the Higgs+W/Z search. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 64        |
| 122 | Jet pair production in POWHEG. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 165       |
| 123 | Higgs production with a central jet veto at NNLL+NNLO. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 158       |
| 124 | Multiple jets at the LHC with high energy jets. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 67        |
| 125 | Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.                                    | 1.6 | 26        |
| 126 | The mass area of jets. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 8         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 46        |
| 128 | Measurement of the $\sigma(t\bar{t})$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.                      | 1.6 | 53        |
| 129 | Discovery reach for generic supersymmetry at the LHC: $M_{T2}$ versus missing transverse momentum selections for pMSSM searches. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 18        |
| 130 | A parton shower for High Energy Jets. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 23        |
| 131 | Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 29        |
| 132 | Dark matter from minimal flavor violation. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 74        |
| 133 | Light stop NLSPs at the Tevatron and LHC. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 49        |
| 134 | $\sigma(W^{\pm}\bar{b})$ production in POWHEG. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 30        |
| 135 | Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 56        |
| 136 | Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 20        |
| 137 | Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 49        |
| 138 | Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.                                     | 1.6 | 32        |
| 139 | The dijet cross section with a jet veto. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 38        |
| 140 | Discriminating top-antitop resonances using azimuthal decay correlations. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 21        |
| 141 | Measurement of dijet production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.                            | 1.6 | 46        |
| 142 | W and $Z/\hat{1}^3$ boson production in association with a bottom-antibottom pair. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 52        |
| 143 | Hadronically decaying color-adjoint scalars at the LHC. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 30        |
| 144 | Using $\hat{1}^3 +$ jets production to calibrate the Standard Model $Z\text{left}(\{o\text{var}\{v\}\}\text{ight}) +$ jets background to new physics processes at the LHC. Journal of High Energy Physics, 2011, 2011, 1. | 1.6 | 25        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 145 | Speedy Higgs boson discovery in decays to tau lepton pairs: $h \rightarrow \tau^+ \tau^-$ . Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 12        |
| 146 | Inclusive search for same-sign dilepton signatures in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 33        |
| 147 | Stealth supersymmetry. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 136       |
| 148 | $W+W$ , $WZ$ and $ZZ$ production in the POWHEG BOX. Journal of High Energy Physics, 2011, 2011, 1.  | 1.6 | 222       |
| 149 | Search for new phenomena in final states with large jet multiplicities and missing transverse momentum using $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2011, 2011, 1.                               | 1.6 | 65        |
| 150 | Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 1.6 | 25        |
| 151 | Seeing jets in heavy-ion collisions. Nuclear Physics A, 2011, 855, 32-37.   | 0.6 | 0         |
| 152 | QCD jet physics with the CMS detector at the LHC. Nuclear Physics A, 2011, 855, 290-294.  | 0.6 | 0         |
| 153 | Background fluctuations in heavy ion jet reconstruction. Nuclear Physics A, 2011, 855, 299-302.   | 0.6 | 10        |
| 154 | Direct photon and photon-jet measurement capability of the ATLAS experiment at the LHC. Nuclear Physics A, 2011, 855, 343-346.  | 0.6 | 0         |
| 155 | Jet studies in 200 GeV p+p and d+Au collisions from the STAR experiment at RHIC. Nuclear Physics A, 2011, 855, 412-415.   | 0.6 | 2         |
| 156 | First measurements of beauty quark production at with the CMS experiment. Nuclear Physics A, 2011, 855, 436-439.  | 0.6 | 2         |
| 157 | The ATLAS heavy ion program: status prior to the first LHC Pb+Pb run. Nuclear Physics A, 2011, 855, 526-530.  | 0.6 | 0         |
| 158 | ATLAS: Status and First Results. Nuclear Physics, Section B, Proceedings Supplements, 2011, 210-211, 3-8.   | 0.5 | 0         |
| 159 | ATLAS Status. Nuclear Physics, Section B, Proceedings Supplements, 2011, 215, 3-7.  | 0.5 | 0         |
| 160 | ATLAS results from pp collisions at the LHC. Nuclear Physics A, 2011, 855, 15-22.   | 0.6 | 0         |
| 161 | Measurements of di-jets in p+p and Au+Au in the STAR experiment. Nuclear Physics A, 2011, 855, 367-370.   | 0.6 | 1         |
| 162 | Search for quark contact interactions in dijet angular distributions in pp collisions at $\sqrt{s} = 7$ TeV measured with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 694, 327-345. |     |           |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 163 | First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.   | 1.5 | 90        |
| 164 | Extracting Higgs boson couplings using a jet veto. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 87-91.  | 1.5 | 37        |
| 165 | Search for microscopic black hole signatures at the Large Hadron Collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 434-453.  | 1.5 | 65        |
| 166 | A simple description of jet cross-section ratios. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 59-62.   | 1.5 | 26        |
| 167 | Measurement of the production cross section for W-bosons in association with jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 325-345. | 1.5 | 35        |
| 168 | Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 196-218.   | 1.5 | 171       |
| 169 | Measurement of $W+W\bar{a}$ production and search for the Higgs boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 25-47.               | 1.5 | 35        |
| 170 | First measurement of hadronic event shapes in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.  | 1.5 | 38        |
| 171 | Early spin determination at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 158-163.  | 1.5 | 15        |
| 172 | Search for stable hadronising squarks and gluinos with the ATLAS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-19.  | 1.5 | 52        |
| 173 | Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.         | 1.5 | 35        |
| 174 | Search for a heavy bottom-like quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.  | 1.5 | 126       |
| 175 | Search for a heavy bottom-like quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.  | 1.5 | 30        |
| 176 | Search for a heavy bottom-like quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.  | 1.5 | 54        |
| 177 | The theory and phenomenology of perturbative QCD based jet quenching. Progress in Particle and Nuclear Physics, 2011, 66, 41-92.  | 5.6 | 249       |
| 178 | Evaluating results from the Relativistic Heavy Ion Collider with perturbative QCD and hydrodynamics. Progress in Particle and Nuclear Physics, 2011, 66, 607-660.   | 5.6 | 11        |
| 179 | Standard Model Higgs boson production in association with a top anti-top pair at NLO with parton showering. European Physical Journal, 2011, 96, 11001.   | 0.7 | 81        |
| 180 | A search for new physics in dijet mass and angular distributions in $pp$ collisions at $\sqrt{s}=7$ TeV measured with the ATLAS detector. New Journal of Physics, 2011, 13, 053044.   | 1.2 | 116       |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 181 | Search for the Higgs Boson in the $H \rightarrow ZZ \rightarrow 4\ell$ Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review Letters, 2011, 107, 231801.<br><a href="#">Search for Pair Production of Second-Generation Scalar Leptoquarks in</a> | 2.9 | 23        |
| 182 | $\sqrt{s} = 7$ TeV Collisions at<br>Physical Review Letters, 2011, 106, 201803.   | 2.9 | 17        |
| 183 | Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.  | 2.9 | 208       |
| 184 | Data-driven method of pile-up correction for the substructure of massive jets. Physical Review D, 2011, 84, .   | 1.6 | 11        |
| 185 | Search for a Heavy Particle Decaying into an Electron and a Muon with the ATLAS Detector in<br>Physical Review Letters, 2011, 106, 251801.  | 2.9 | 15        |
| 186 | Search for Supersymmetry in pp Collisions at $\sqrt{s} = 7$ TeV in Events with Two Photons and Missing Transverse Energy. Physical Review Letters, 2011, 106, 211802.   | 2.9 | 47        |
| 187 | Search for Supersymmetry Using Final States with One Lepton, Jets, and Missing Transverse Momentum with the ATLAS Detector in<br>Physical Review Letters, 2011, 106, 201802.  | 2.9 | 136       |
| 188 | $\sqrt{s} = 7$ TeV Collisions at<br>Physical Review Letters, 2011, 106, 201802.   | 2.9 | 21        |
| 189 | Unburied Higgs boson: Jet substructure techniques for searching for Higgs $\rightarrow$ gluons. Physical Review D, 2011, 84, .  | 1.6 | 19        |
| 190 | $\sqrt{s} = 7$ TeV search at the LHC. Physical Review D, 2011, 84, .  | 1.6 | 5         |
| 191 | Dijet invariant mass distribution in top quark hadronic decay with QCD corrections. Physical Review D, 2011, 84, .  | 1.6 | 2         |
| 192 | Autofocusing searches in jets plus missing energy. Physical Review D, 2011, 83, .   | 1.6 | 25        |
| 193 | Measurement of Dijet Azimuthal Decorrelations in<br>Physical Review Letters, 2011, 107, 201804.   | 2.9 | 61        |
| 194 | $\sqrt{s} = 7$ TeV Collisions at<br>Physical Review Letters, 2011, 107, 201804.   | 2.9 | 53        |
| 195 | Search for a Standard Model Higgs Boson in the $H \rightarrow ZZ \rightarrow 4\ell$ Decay Channel with the ATLAS Detector. Physical Review Letters, 2011, 107, 221802.<br><a href="#">Search for a Vectorlike Quark with Charge</a>   | 2.9 | 29        |
| 196 | $\sqrt{s} = 7$ TeV Collisions at<br>Measurement of the Inclusive Jet Cross Section in<br>Physical Review Letters, 2011, 107, 201804.  | 2.9 | 59        |
| 197 | $\sqrt{s} = 7$ TeV Collisions at<br>Physical Review Letters, 2011, 107, 132001.   | 2.9 | 125       |
| 198 | Search for Diphoton Events with Large Missing Transverse Energy in $\sqrt{s} = 7$ TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2011, 106, 121803.   | 2.9 | 19        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 199 | Momentum reconstruction at the LHC for probing $C$ violation in the stop sector. Physical Review D, 2011, 83.   | 1.6 | 3         |
| 200 | Search for Three-jet Resonances in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 101801.   | 2.9 | 34        |
| 201 | Precise Predictions for $W$ -jet Production at the Large Hadron Collider. Physical Review Letters, 2011, 106, 092001.   | 2.9 | 177       |
| 202 | Dijet Azimuthal Decorrelations in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 101801.  | 2.9 | 60        |
| 203 | Measurement of the Polarization of $W$ Bosons with Large Transverse Momenta in $pp$ Events at the LHC. Physical Review Letters, 2011, 107, 101802.                | 2.9 | 46        |
| 204 | Channel Single Top Quark Production Cross Section in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 101802.                           | 2.9 | 70        |
| 205 | Next-to-Leading-Order QCD Corrections to $W$ Production at Hadron Colliders. Physical Review Letters, 2011, 106, 052001.  | 2.9 | 141       |
| 206 | Next-to-Leading QCD Effect on the Quark Compositeness Search at the LHC. Physical Review Letters, 2011, 106, 142001.  | 2.9 | 24        |
| 207 | Probing New Top Physics at the LHCb Experiment. Physical Review Letters, 2011, 107, 082003.   | 2.9 | 14        |
| 208 | Dijet asymmetry at the energies available at the CERN Large Hadron Collider. Physical Review C, 2011, 84, .   | 1.1 | 77        |
| 209 | Jet shower evolution in medium and dijet asymmetry in Pb+Pb collisions at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124158.          | 1.4 | 1         |
| 210 | Probing nuclear matter with jets and $\hat{p}^3$ -hadron correlations: results from PHENIX. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124090. | 1.4 | 5         |
| 211 | Jet measurements by the CMS experiment in pp and Pb-Pb collisions. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124020.                          | 1.4 | 9         |
| 212 | Jet fragmentation functions measured in Pb-Pb collisions with CMS. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124157.                          | 1.4 | 5         |
| 213 | Jet and jet-like correlations studies from STAR. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124019.  | 1.4 | 4         |
| 214 | Study of jet quenching using dijets in PbPb collisions with CMS. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124084.                            | 1.4 | 8         |
| 215 | Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.                            | 0.5 | 508       |
| 216 | Jet quenching via jet collimation. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 035006.  | 1.4 | 90        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 217 | Forward Physics at CMS. , 2011, , .   |     | 0         |
| 218 | Closing the Window on Light Charged Higgs Bosons in the NMSSM. Advances in High Energy Physics, 2012, 2012, 1-22.   | 0.5 | 14        |
| 219 | Search for the top partner at the LHC using multi-b-jet channels. Physical Review D, 2012, 86, .  | 1.6 | 15        |
| 220 | Search for pair production of first- and second-generation scalar leptoquarks in collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physical Review Letters, 2012, 109, 211802.   | 1.6 | 32        |
| 221 | Top quark and leptonic charge asymmetries for the Tevatron and LHC. Physical Review D, 2012, 86, .  | 1.6 | 107       |
| 222 | Search for Gluinos in Events with Two Same-Sign Leptons, Jets, and Missing Transverse Momentum with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physical Review Letters, 2012, 108, 241802.                           | 2.9 | 37        |
| 223 | Search for resonant top quark plus jet production in $t\bar{t} + \text{jets}$ events with the ATLAS detector in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physical Review D, 2012, 86, .  | 1.6 | 16        |
| 224 | Search for a Supersymmetric Partner to the Top Quark in Final States with Jets and Missing Transverse Momentum at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.                             | 2.9 | 63        |
| 225 | Search for Scalar Bottom Quark Pair Production with the ATLAS Detector in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physical Review Letters, 2012, 108, 181802.   | 2.9 | 61        |
| 226 | Signature of same-sign top pair production mediated by a nonuniversal $Z$ with next-to-leading order accuracy at the LHC. Physical Review D, 2012, 86, .  | 1.6 | 2         |
| 227 | Nondeterministic Approach to Tree-Based Jet Substructure. Physical Review Letters, 2012, 108, 182003.   | 2.9 | 55        |
| 228 | ATLAS measurements of the properties of jets for boosted particle searches. Physical Review D, 2012, 86, .  | 1.6 | 21        |
| 229 | Search for New Phenomena in $t\bar{t} + \text{jets}$ Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physical Review Letters, 2012, 109, 211802.                                    | 2.9 | 46        |
| 230 | Search for a Scalar Top Quark and a Scalar Bottom Quark in the $t\bar{t} + \text{jets}$ Events with Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physical Review Letters, 2012, 109, 211802. | 2.9 | 31        |
| 231 | Charged Higgs boson detection in the $t, \tau$ decay mode at future linear colliders. Physical Review D, 2012, 86, .  | 1.6 | 4         |
| 232 | Resummation properties of jet vetoes at the LHC. Physical Review D, 2012, 86, .   | 1.6 | 44        |
| 233 | Observation of Spin Correlation in $t\bar{t} + \text{jets}$ Events from $\sqrt{s} = 7 \text{ TeV}$ Collisions at the ATLAS Detector. Physical Review Letters, 2012, 109, 211802.  | 2.9 | 80        |
| 234 | Measurement of inclusive jet and dijet production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. Physical Review D, 2012, 86, .   | 1.6 | 135       |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 235 | Measurement of the production cross section of an isolated photon associated with jets in proton-proton collisions at $\sqrt{s}$ with the ATLAS detector. Physical Review D, 2012, 85, .          | 1.6 | 45        |
| 236 | Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s}$ with the ATLAS Detector. Physical Review Letters, 2012, 109, 171803. | 2.9 | 118       |
| 237 | Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.   | 2.9 | 49        |
| 238 | Underlying event characteristics and their dependence on jet size of charged-particle jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review D, 2012, 86, .     | 1.6 | 12        |
| 239 | Search for Pair Production of a New $b$ Quark that Decays into a $Z$ Boson and a Bottom Quark with the ATLAS Detector. Physical Review Letters, 2012, 109, 071801.                                | 2.9 | 26        |
| 240 | Transverse energy-energy correlations in next-to-leading order $n$ jets at the LHC. Physical Review D, 2012, 86, .  | 1.6 | 14        |
| 241 | Calculating the charge of a jet. Physical Review D, 2012, 86, .   | 1.6 | 57        |
| 242 | Jet production in (un)polarized $pp$ collisions: Dependence on jet algorithm. Physical Review D, 2012, 86, .  | 1.6 | 50        |
| 243 | Search for the Higgs Boson in the $H \rightarrow b\bar{b}$ Decay Channel in pp Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2012, 108, 111802.                | 2.9 | 85        |
| 244 | Search for supersymmetry in events with $b$ -quark jets and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2012, 86, .  | 1.6 | 18        |
| 245 | Results of a systematic study of dijet suppression measured at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2012, 86, .  | 1.1 | 25        |
| 246 | Study of substructure of high transverse momentum jets produced in proton-antiproton collisions at $\sqrt{s}$ . Physical Review D, 2012, 85, .  | 1.6 | 37        |
| 247 | Multi-jet signatures at the LHC in the two Higgs doublet model. Physical Review D, 2012, 85, .  | 1.6 | 31        |
| 248 | Search for supersymmetry in $pp$ collisions at $\sqrt{s}$ . Physical Review Letters, 2012, 109, 071801.   | 1.6 | 41        |
| 249 | Further search for supersymmetry at $\sqrt{s}$ with the ATLAS detector. Physical Review Letters, 2012, 109, 071801.   | 1.6 | 42        |
| 250 | Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .  | 1.6 | 26        |
| 251 | Measurement of $D^0$ production in jets from $pp$ collisions at $\sqrt{s}$ with the ATLAS detector. Physical Review Letters, 2012, 109, 071801.   | 1.6 | 23        |
| 252 | $Z$ -boson production in association with $t\bar{t}$ pair at next-to-leading order accuracy with parton shower effects. Physical Review D, 2012, 85, .  | 1.6 | 19        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 253 | Discovery prospects of an almost fermiophobic $W\tilde{\chi}^0$ in the three-site Higgsless model at the LHC. Physical Review D, 2012, 85, .   | 1.6 | 9         |
| 254 | Present bounds on new neutral vector resonances from electroweak gauge boson pair production at the LHC. Physical Review D, 2012, 85, .  | 1.6 | 7         |
| 255 | Top quark pair production in association with a jet: QCD corrections and jet radiation in top quark decays. Physical Review D, 2012, 85, .   | 1.6 | 49        |
| 256 | Energy dependence of the dijet imbalance in Pb-Pb collisions at 2.76 ATeV. Physical Review C, 2012, 86, .  | 1.1 | 23        |
| 257 | Higgs boson coupling sensitivity at the LHC using $H\tilde{\chi}^0\tilde{\chi}^0$ decays. Physical Review D, 2012, 86, .   | 1.6 | 3         |
| 258 | QCD analysis of the scale-invariance of jets. Physical Review D, 2012, 86, .   | 1.6 | 4         |
| 259 | Doubly resonant $W\tilde{W}$ plus jet signatures at the LHC. Physical Review D, 2012, 86, .  | 1.6 | 1         |
| 260 | Uncertainties in next-to-leading order plus parton shower matched simulations of inclusive jet and dijet production. Physical Review D, 2012, 86, .  | 1.6 | 45        |
| 261 | Long-lived staus from strong production in a simplified model approach. Physical Review D, 2012, 86, .   | 1.6 | 12        |
| 262 | Precision Jet Substructure from Boosted Event Shapes. Physical Review Letters, 2012, 109, 092001.  | 2.9 | 57        |
| 263 | Search for Production of Resonant States in the Photon-Jet Mass Distribution Using pp Collisions at $\sqrt{s}=7\text{ TeV}$ Collected by the ATLAS Detector. Physical Review Letters, 2012, 108, 211802. | 2.9 | 12        |
| 264 | Study of the Dijet Mass Spectrum in pp $\tilde{W} + \text{jets}$ Events at $\sqrt{s}=7\text{ TeV}$ . Physical Review Letters, 2012, 109, 251801.   | 2.9 | 15        |
| 265 | Precise predictions for $Z$ -boson production at hadron colliders. Physical Review D, 2012, 85, .  | 1.6 | 73        |
| 266 | Search for Supersymmetry in Events with Three Leptons and Missing Transverse Momentum in $\sqrt{s}=7\text{ TeV}$ pp Collisions with the ATLAS Detector. Physical Review Letters, 2012, 108, 261804.      | 2.9 | 33        |
| 267 | Search for pair-produced heavy quarks decaying to $Wq$ in the two-lepton channel at $\sqrt{s}=7\text{ TeV}$ . Physical Review Letters, 2012, 108, 261803.  | 1.6 | 23        |
| 268 | Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.  | 2.9 | 126       |
| 269 | Jets, bulk matter, and their interaction in heavy ion collisions at several TeV. Physical Review C, 2012, 85, .  | 1.1 | 104       |
| 270 | Search for Down-Type Fourth Generation Quarks with the ATLAS Detector in Events with One Lepton and Hadronically Decaying Bosons. Physical Review Letters, 2012, 109, 032001.                            | 2.9 | 40        |

| #   | Study of jets produced in association with a $W$ -boson in $pp$ collisions at the Large Hadron Collider. Annual Review of Nuclear and Particle Science, 2012, 62, 387-405.              | IF  | CITATIONS |
|-----|---|-----|-----------|
| 271 | Study of jets produced in association with a $W$ -boson in $pp$ collisions at the Large Hadron Collider. Annual Review of Nuclear and Particle Science, 2012, 62, 387-405.              | 1.6 | 47        |
| 272 | Study of jets produced in association with a $W$ -boson in $pp$ collisions at the Large Hadron Collider. Annual Review of Nuclear and Particle Science, 2012, 62, 387-405.              | 3.5 | 7         |
| 273 | ATLAS Detector Performance status, improvements during winter 2010 shutdown and results with initial 2011 data taking period. Journal of Physics: Conference Series, 2012, 347, 012006. | 0.3 | 0         |
| 274 | Tau identification using multivariate techniques in ATLAS. Journal of Physics: Conference Series, 2012, 368, 012029.  | 0.3 | 2         |
| 275 | Electroweak results with the ATLAS 2010 data. Journal of Physics: Conference Series, 2012, 347, 012023.   | 0.3 | 0         |
| 276 | Jet Energy Scale Uncertainties in ATLAS. Journal of Physics: Conference Series, 2012, 404, 012012.  | 0.3 | 0         |
| 277 | Performance and Improvements of the ATLAS Jet Trigger System. Journal of Physics: Conference Series, 2012, 404, 012058.   | 0.3 | 0         |
| 278 | Performance of Missing Transverse Momentum Reconstruction in ATLAS with Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Journal of Physics: Conference Series, 2012, 404, 012011.       | 0.3 | 2         |
| 279 | Detection of Clustering Instabilities for Sequential Recombination Algorithms. Journal of Physics: Conference Series, 2012, 404, 012054.  | 0.3 | 1         |
| 280 | Performance of $\tau, q$ -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.  | 0.5 | 91        |
| 281 | Recent B-Physics results from CMS. Journal of Physics: Conference Series, 2012, 347, 012014.  | 0.3 | 0         |
| 282 | Dijet imbalance in 2.76 TeV PbPb collisions in CMS. Journal of Physics: Conference Series, 2012, 389, 012003.   | 0.3 | 0         |
| 283 | Charged particle jet measurements with the ALICE experiment in proton-proton collisions at the LHC. Journal of Physics: Conference Series, 2012, 389, 012005.                           | 0.3 | 2         |
| 284 | Reconstructed Jet Results in $p+p$ , $d+Au$ and $Cu+Cu$ collisions at 200 GeV from PHENIX. Journal of Physics: Conference Series, 2012, 389, 012006.                                    | 0.3 | 2         |
| 285 | Measurements of forward energy flow and forward jet production with CMS. Journal of Physics: Conference Series, 2012, 347, 012033.  | 0.3 | 1         |
| 286 | Single Hadron Response Measurement in ATLAS. Journal of Physics: Conference Series, 2012, 404, 012008.  | 0.3 | 0         |
| 287 | Bounds on $R$ -parity violation from resonant slepton production at the LHC. Physical Review D, 2012, 86, .   | 1.6 | 16        |
| 288 | Higgs- and $Z$ -boson Production with a Jet Veto. Physical Review Letters, 2012, 109, 202001.   | 2.9 | 157       |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 289 | Tevatron top AFB versus LHC top physics. Physical Review D, 2012, 85, .  | 1.6 | 19        |
| 290 | Constraints on flavor-changing neutral-current Higgs couplings from the signal of Higgs associated production with QCD next-to-leading order accuracy at the LHC. Physical Review D, 2012, 86, .                                   | 1.6 | 18        |
| 291 | Inclusive b-jet production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 39        |
| 292 | Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 18        |
| 293 | Constraints on supersymmetry with light third family from LHC data. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 33        |
| 294 | Measurement of the cross section for top-quark pair production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector using final states with two high-p T leptons. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 45        |
| 295 | Search for heavy bottom-like quarks in $4.9 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 45        |
| 296 | Jet mass and substructure of inclusive jets in $\sqrt{s} = 7 \text{ TeV}$ pp collisions with the ATLAS experiment. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 88        |
| 297 | Constraints on the pMSSM from searches for squarks and gluinos by ATLAS. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 5         |
| 298 | Measurement of the $Z \rightarrow b\bar{b}$ -jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 39        |
| 299 | NLL+NNLO predictions for jet-veto efficiencies in Higgs-boson and Drell-Yan production. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 109       |
| 300 | Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 31        |
| 301 | Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 68        |
| 302 | Composite octet searches with jet substructure. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 20        |
| 303 | LHC discovery potential for non-standard Higgs bosons in the $3b$ channel. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 15        |
| 304 | NLO Higgs boson production plus one and two jets using the POWHEG BOX, MadGraph4 and MCFM. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 94        |
| 305 | Factorization and NNLL Resummation for Higgs production with a jet veto. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 101       |
| 306 | Stop the top background of the stop search. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 97        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 307 | The fully differential hadronic production of a Higgs boson through bottom-quark fusion at NNLO. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 37        |
| 308 | Searching for direct stop production in hadronic top data at the LHC. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 41        |
| 309 | Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 117       |
| 310 | Extracting gluino endpoints with event topology patterns. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 5         |
| 311 | Hunt for new phenomena using large jet multiplicities and missing transverse momentum with ATLAS in $4.7 \text{ fb}^{-1}$ of $\sqrt{s} = 7$ TeV proton-proton collisions. Journal of High Energy Physics, 2012, 2012, 1.        | 1.6 | 53        |
| 312 | Reach the bottom line of the sbottom search. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 24        |
| 313 | Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 30        |
| 314 | Gluon fusion contribution to $W + W + \text{jet}$ production. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 23        |
| 315 | Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 13        |
| 316 | Diboson-jets and the search for resonant Zh production. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 14        |
| 317 | Search for anomalous $\overline{t}t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 58        |
| 318 | A search for $\overline{t}t$ resonances in lepton+jets events with highly boosted top quarks collected in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.           | 1.6 | 40        |
| 319 | Search for the Standard Model Higgs boson in the $H \rightarrow \tau^+\tau^-$ , $H \rightarrow \tau\nu$ decay mode in $\sqrt{s} = 7, \sqrt{s} = 8$ TeV pp collisions with ATLAS. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 43        |
| 320 | Next-to-leading order QCD corrections to electroweak $Zjj$ production in the POWHEG BOX. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 23        |
| 321 | Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 168       |
| 322 | On the resummation of clustering logarithms for non-global observables. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 13        |
| 323 | Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 15        |
| 324 | Abelian non-global logarithms from soft gluon clustering. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 30        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 325 | A search for flavour changing neutral currents in top-quark decays in pp collision data collected with the ATLAS detector at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 34        |
| 326 | Light gravitino production in association with gluinos at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 15        |
| 327 | Search for supersymmetry in hadronic final states using $M_{T2}$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 95        |
| 328 | NLO corrections merged with parton showers for Z + 2 jets production using the POWHEG method. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 24        |
| 329 | Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                        | 1.6 | 85        |
| 330 | NLO QCD corrections to off-shell top-antitop production with leptonic decays at hadron colliders. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 96        |
| 331 | Higgs self-coupling measurements at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 209       |
| 332 | On jet mass distributions in Z+jet and dijet processes at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 75        |
| 333 | Slepton pair production in the POWHEG BOX. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 10        |
| 334 | Scaling patterns for QCD jets. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 46        |
| 335 | Measurements of the pseudorapidity dependence of the total transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV with ATLAS. Journal of High Energy Physics, 2012, 2012, 1.       | 1.6 | 15        |
| 336 | Probing natural SUSY from stop pair production at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 66        |
| 337 | $t \bar{t} W \hat{\Delta} \pm + t \bar{t} Z$ hadroproduction at NLO accuracy in QCD with Parton Shower and Hadronization effects. Journal of High Energy Physics, 2012, 2012, 1.              | 1.6 | 121       |
| 338 | Measurement of the $\overline{t} t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                     | 1.6 | 69        |
| 339 | Study of LHC searches for a lepton and many jets. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 21        |
| 340 | Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                    | 1.6 | 7         |
| 341 | Search for a heavy top-quark partner in final states with two leptons with the ATLAS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.                                      | 1.6 | 54        |
| 342 | Weak radiative corrections to dijet production at hadron colliders. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 84        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 343 | Peccei-Quinn NMSSM in the light of 125 GeV Higgs. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 28        |
| 344 | Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                 | 1.6 | 41        |
| 345 | Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                    | 1.6 | 11        |
| 346 | Search for anomalous production of prompt like-sign lepton pairs at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.                                    | 1.6 | 17        |
| 347 | Search for resonant $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                                       | 1.6 | 26        |
| 348 | Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 83        |
| 349 | Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 14        |
| 350 | Merging meets matching in MC@NLO. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 443       |
| 351 | Search for pair production of massive particles decaying into three quarks with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions at the LHC. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 48        |
| 352 | Measurement of the top-quark mass in $\overline{t}t$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                  | 1.6 | 38        |
| 353 | Search for R-parity-violating supersymmetry in events with four or more leptons in $\sqrt{s}=7$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.       | 1.6 | 13        |
| 354 | Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.         | 1.5 | 6,177     |
| 355 | How to improve top-quark tagging. Physical Review D, 2012, 85, .  | 1.6 | 31        |
| 356 | Three-particle templates for a boosted Higgs boson. Physical Review D, 2012, 85, .  | 1.6 | 16        |
| 357 | Bayesian implications of current LHC and XENON100 search limits for the CMSSM. Physical Review D, 2012, 85, .   | 1.6 | 27        |
| 358 | High multiplicity searches at the LHC using jet masses. Physical Review D, 2012, 85, .  | 1.6 | 18        |
| 359 | Probing higher-order corrections in dijet production at the LHC. Physical Review D, 2012, 85, .   | 1.6 | 9         |
| 360 | New approach to identifying boosted hadronically decaying particles using jet substructure in its center-of-mass frame. Physical Review D, 2012, 85, .  | 1.6 | 27        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 361 | Measurement of the production cross section in pp collisions at $\sqrt{s} = 7$ TeV with Right-Handed Couplings in a Left-Right Symmetric Model in Collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and jets with the ATLAS detector. Physical Review D, 2012, 85, . | 1.6 | 35        |
| 362 | Measurement of the production cross section in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and jets with the ATLAS detector. Physical Review D, 2012, 85, .   | 2.9 | 53        |
| 363 | Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and jets with the ATLAS detector. Physical Review D, 2012, 85, .  | 1.6 | 31        |
| 364 | Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in final states with missing transverse momentum and jets with the ATLAS detector. Physical Review D, 2012, 85, .  | 1.6 | 30        |
| 365 | Performance of the ATLAS Jet Trigger. , 2012, , .  |     | 2         |
| 366 | Jet production and the inelastic pp cross section at the LHC. Physical Review D, 2012, 86, .   | 1.6 | 6         |
| 367 | Measurement of the transverse momentum distribution of bosons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 277-280.  | 1.6 | 37        |
| 368 | Search for supersymmetry in final states with jets, missing transverse momentum and one isolated lepton in $\sqrt{s} = 7$ TeV pp collisions using 1 fb <sup>-1</sup> of ATLAS data. Physical Review D, 2012, 85, .   | 1.6 | 57        |
| 369 | Inclusive-jet photoproduction at HERA and determination of. Nuclear Physics B, 2012, 864, 1-37.  | 0.9 | 39        |
| 370 | Tau physics at CMS. Nuclear Physics, Section B, Proceedings Supplements, 2012, 225-227, 184-189.   | 0.5 | 0         |
| 371 | Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 277-280.  | 1.5 | 6         |
| 372 | Next-to-leading order corrections to the production of $W$ plus two jets at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 277-280.   | 1.5 | 6         |
| 373 | Search for events with large missing transverse momentum, jets, and at least two tau leptons in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 180-196.                                    | 1.5 | 12        |
| 374 | Search for scalar top quark production in natural gauge mediated supersymmetry models with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 105-112.                  | 1.5 | 6         |
| 375 | Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 105-112.   | 1.5 | 17        |
| 376 | Search for TeV-scale gravity signatures in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 105-112.   | 1.5 | 45        |
| 377 | Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 105-112.   | 1.5 | 14        |
| 378 | Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 105-112.   | 1.5 | 14        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 379 | Evidence for the associated production of a W boson and a top quark in ATLAS at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 142-159.             | 1.5 | 6,386     |
| 380 | Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-29. | 1.4 | 3         |
| 381 | SUSY background to neutral MSSM Higgs boson searches. European Physical Journal C, 2012, 72, 1.   | 1.4 | 13        |
| 382 | Search for anomaly-mediated supersymmetry breaking with the ATLAS detector based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.                  | 1.4 | 109       |
| 383 | Measurement of $t\bar{t}$ production with a veto on additional central jet activity in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. European Physical Journal C, 2012, 72, 2043.                     | 1.4 | 4         |
| 384 | Jet physics in electron-proton scattering. European Physical Journal C, 2012, 72, 1.  | 1.4 | 33        |
| 385 | Importance of a consistent choice of $\hat{s}$ in the matching of AlpGen and Pythia. European Physical Journal C, 2012, 72, 1.  | 1.4 | 25        |
| 386 | A search for $t$ resonances with the ATLAS detector in 2.05 fb <sup>-1</sup> of proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2083.  | 1.4 | 15        |
| 387 | Structure of fat jets at the Tevatron and beyond. European Physical Journal C, 2012, 72, 1.   | 1.4 | 5         |
| 388 | Measurements of the production, decay and properties of the top quark: a review. European Physical Journal C, 2012, 72, 1.  | 1.4 | 37        |
| 389 | Search for second generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.   | 1.4 | 59        |
| 390 | Measurement of $W \hat{\pm} Z$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2012, 72, 1.  | 1.4 | 25        |
| 391 | Search for top and bottom squarks from gluino pair production in final states with missing transverse energy and at least three b-jets with the ATLAS detector. European Physical Journal C, 2012, 72, 1.             | 1.4 | 42        |
| 392 | Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.   | 1.4 | 3         |
| 393 | Charged Higgs observability through associated production with $W \hat{\pm}$ at a muon collider. European Physical Journal C, 2012, 72, 1.  | 1.4 | 22        |
| 394 | Measurement of event shapes at large momentum transfer with the ATLAS detector in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.  | 1.4 | 13        |
| 395 | Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in 7 TeV proton-proton collision data with the ATLAS detector. European Physical Journal C, 2012, 72, 1. | 1.4 | 26        |
| 396 | Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.              |     |           |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 397 | Search for light scalar top-quark pair production in final states with two leptons with the ATLAS detector in $\sqrt{s}=7$ TeV proton-proton collisions. European Physical Journal C, 2012, 72, 1.   | 1.4 | 31        |
| 398 | Method for separating jets and the underlying event in heavy ion collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2012, 86, .   | 1.1 | 10        |
| 399 | Jet substructure at the Tevatron and LHC: new results, new tools, new benchmarks. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 063001.  | 1.4 | 225       |
| 400 | Evasive Higgs boson maneuvers at the LHC. Physical Review D, 2012, 85, .   | 1.6 | 44        |
| 401 | New physics backgrounds to the search at the LHC? Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.  | 1.5 | 25        |
| 402 | Search for heavy Majorana neutrinos in $pp$ collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.  | 1.5 | 25        |
| 403 | Search for heavy Majorana neutrinos in $pp$ collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.  | 1.5 | 45        |
| 404 | Measurement of $W^+Z$ and $Z^0$ production cross sections in $pp$ collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.  | 1.5 | 12        |
| 405 | Measurement of the $t$ -channel single top-quark production cross section in $pp$ collisions at $\sqrt{s}=7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234. | 1.5 | 9         |
| 406 | Measurement of the $t$ -channel single top-quark production cross section in $pp$ collisions at $\sqrt{s}=7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234. | 1.5 | 113       |
| 407 | Measurement of the $t$ -channel single top-quark production cross section in $pp$ collisions at $\sqrt{s}=7$ TeV and limits on anomalous triple gauge couplings with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234. | 1.5 | 40        |
| 408 | Discrimination of models including doubly charged scalar bosons by using tau lepton decay distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.   | 1.5 | 31        |
| 409 | Large-asymmetric production of $WZ$ production beyond NLO for high- $p_T$ quarks in $pp$ collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.   | 1.5 | 15        |
| 410 | Search for three-jet resonances in $pp$ collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.  | 1.5 | 24        |
| 411 | Search for three-jet resonances in $pp$ collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 229-234.  | 1.5 | 26        |
| 412 | Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.  | 1.5 | 25        |
| 413 | Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to a b-quark pair with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 369-390.  | 1.5 | 25        |

| #   | Applications of QCD radiative corrections on high- $\sqrt{s}$ proton-proton collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430.                             | IF  | CITATIONS |
|-----|---|-----|-----------|
| 415 | Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 348-368.                  | 1.5 | 13        |
| 416 | Search for diphoton events with large missing transverse momentum in 7 TeV proton-proton collision data with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 411-430.            | 1.5 | 10        |
| 417 | Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 348-368.                  | 1.5 | 20        |
| 418 | Dijet physics with CMS detector at the Large Hadron Collider. Pramana - Journal of Physics, 2012, 79, 839-843.  | 1.5 | 36        |
| 419 | Inclusive $b\bar{b}$ , $Z\mu^+\mu^-$ , $e^+e^-$ production at CMS. Pramana - Journal of Physics, 2012, 79, 911-915.   | 0.9 | 0         |
| 420 | W/Z+jet(s) production in pp collisions at $\sqrt{s}=7, \text{ TeV}$ . Pramana - Journal of Physics, 2012, 79, 1285-1288.  | 0.9 | 0         |
| 421 | Search for Direct Top Squark Pair Production in Final States with One Isolated Lepton, Jets, and Missing Transverse Momentum in $7\text{ TeV pp Collisions Using } 4.7\text{ fb}^{-1}$ of ATLAS Data. Physical Review Letters, 2012, 109, 211803. | 0.9 | 75        |
| 422 | Investigation of beauty production and parton shower effects at the LHC. Physical Review D, 2012, 85, .   | 1.6 | 31        |
| 423 | Hard QCD Results with Jets at the LHC. EPJ Web of Conferences, 2012, 28, 02012.   | 0.1 | 0         |
| 424 | Search for supersymmetry in events with two leptons including a tau. EPJ Web of Conferences, 2012, 28, 12008.   | 0.1 | 0         |
| 425 | Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s}=7\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.   | 1.4 | 11        |
| 426 | Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ with ATLAS. European Physical Journal C, 2012, 72, 1.  | 1.4 | 230       |
| 427 | Implications of LHC searches on SUSY particle spectra. European Physical Journal C, 2012, 72, 1.  | 1.4 | 70        |
| 428 | Performance of the ATLAS Trigger System in 2010. European Physical Journal C, 2012, 72, 1.  | 1.4 | 259       |
| 429 | Simulation of sextet diquark production. European Physical Journal C, 2012, 72, 1.  | 1.4 | 17        |
| 430 | Four-Jet Production at the Large Hadron Collider at Next-to-Leading Order in QCD. Physical Review Letters, 2012, 109, 042001.   | 2.9 | 93        |
| 431 | Establishing jet scaling patterns with a photon. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 11        |
| 432 |   |     |           |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 433 | On the next-to-leading order QCD $K$ -factor for $t\bar{t}b$ production at the Tevatron. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 11        |
| 434 | aMC@NLO predictions for $Wjj$ production at the Tevatron. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 27        |
| 435 | Non-global logs and clustering impact on jet mass with a jet veto distribution. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 25        |
| 436 | Searching for heavy charged Higgs boson with jet substructure at the LHC. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 28        |
| 437 | Maximizing boosted top identification by minimizing N-subjettiness. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 286       |
| 438 | The status of GMSB after $1/\text{fb}$ at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 99        |
| 439 | Real-virtual corrections for gluon scattering at NNLO. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 29        |
| 440 | Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\ell, 2\ell\gamma$ channel in pp collisions at $\sqrt{s} = 7, 8 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.                     | 1.6 | 26        |
| 441 | Using rates to measure mixed modulus-anomaly mediated supersymmetry breaking at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 3         |
| 442 | Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76, 2.76 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.                             | 1.6 | 58        |
| 443 | Search for a Higgs boson in the decay channel $H \rightarrow ZZ(*) \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 30        |
| 444 | Angular scaling in jets. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 16        |
| 445 | Search for microscopic black holes in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 34        |
| 446 | Jet-veto in bottom-quark induced Higgs production at next-to-next-to-leading order. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 23        |
| 447 | Search for same-sign top-quark production and fourth-generation down-type quarks in pp collisions at $\sqrt{s} = 7, 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.                        | 1.6 | 36        |
| 448 | Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 16        |
| 449 | Search for charged Higgs bosons decaying via $H \rightarrow \tau\bar{\tau}$ in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 7, 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1. | 1.6 | 126       |
| 450 | Measurement of the W boson polarization in top quark decays with the ATLAS detector. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 57        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 451 | Measuring Higgs $\sigma$ and couplings with hadronic event shapes. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 56        |
| 452 | Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.  | 1.6 | 15        |
| 453 | NLO QCD corrections to dijet production via quark contact interactions. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 15        |
| 454 | The SIScone jet algorithm optimised for low particle multiplicities. Computer Physics Communications, 2012, 183, 813-820.  | 3.0 | 2         |
| 455 | Precision jet measurements at HERA and determination of. Nuclear Physics, Section B, Proceedings Supplements, 2012, 222-224, 81-93.  | 0.5 | 2         |
| 456 | QCD results from the LHC. Nuclear Physics, Section B, Proceedings Supplements, 2012, 222-224, 216-227. Search for a heavy Standard Model Higgs boson in the channel $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" \rangle$ | 0.5 | 1         |
| 457 | Measurement of the cross-section for b-jets produced in association with a Z boson at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.  | 1.5 | 16        |
| 458 | Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.   | 1.5 | 20        |
| 459 | Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.   | 1.5 | 20        |
| 460 | Measurement of the top quark pair production cross section in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 706, 295-313.   | 1.5 | 20        |
| 461 | Search for new physics in the dijet mass distribution using $1 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 450-457.  | 1.5 | 8         |
| 462 | A measurement of the ratio of the W and Z cross sections with the Sacty cone associated jet in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 450-457.  | 1.5 | 8         |
| 463 | Hollow cone sieve for top. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 296-299.   | 1.5 | 2         |
| 464 | Searches for supersymmetry with the ATLAS detector using final states with two leptons and missing transverse momentum in $\sqrt{s}=7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.  | 1.5 | 58        |
| 465 | Measurement of the charge asymmetry in top quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.  | 1.5 | 79        |
| 466 | Search for first generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.   | 1.5 | 79        |
| 467 | Search for dijet resonances using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.  | 1.5 | 79        |
| 468 | Search for dijet resonances using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s}=7$ TeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 67-85.  | 1.5 | 79        |

| #   | Search for diphoton events with large missing transverse momentum in $\sqrt{s} = 7$ TeV pp collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 175-181.        | IF  | CITATIONS |
|-----|---|-----|-----------|
| 469 | Search for the standard model Higgs boson decaying to $b\bar{b}$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 22-39.        | 1.5 | 21        |
| 470 | Out of medium fragmentation from long-lived jet showers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 175-181.  | 1.5 | 15        |
| 471 | Search for the standard model Higgs boson decaying to $b\bar{b}$ in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 22-39.        | 1.5 | 21        |
| 472 | Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39. | 1.5 | 148       |
| 473 | Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.   | 1.5 | 148       |
| 474 | Search for heavy vector-like quarks coupling to light quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39. | 1.5 | 148       |
| 475 | Measurement of the top quark pair production cross-section with ATLAS in the single lepton channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 711, 244-263.                                   | 1.5 | 69        |
| 476 | Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 22-39.  | 1.5 | 148       |
| 477 | Measurement of the WW cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.                                   | 1.5 | 40        |
| 478 | Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.   | 1.5 | 16        |
| 479 | Calibration of absolute jet energy scale in CMS detector using $W \rightarrow e\bar{\nu}_e$ process in pp-Collisions at $\sqrt{s} = 7$ TeV. Journal of Contemporary Physics, 2012, 47, 153-160.   | 0.1 | 2         |
| 480 | FastJet user manual. European Physical Journal C, 2012, 72, 1.  | 1.4 | 3,284     |
| 481 | Search for decays of stopped, long-lived particles from 7 TeV pp collisions with the ATLAS detector. European Physical Journal C, 2012, 72, 1.  | 1.4 | 15        |
| 482 |   |     |           |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 487 | Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.  | 1.6 | 58        |
| 488 | Identifying the colour of TeV-scale resonances. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.  | 1.6 | 17        |
| 489 | Measuring the bottom-quark forward-central asymmetry at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.   | 1.6 | 9         |
| 490 | Light NMSSM Higgs bosons in SUSY cascade decays at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.  | 1.6 | 35        |
| 491 | Hadronic top-quark pair-production with one jet and parton showering. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.  | 1.6 | 101       |
| 492 | Double non-global logarithms in n-out of jets. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.   | 1.6 | 27        |
| 493 | Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.   | 1.6 | 44        |
| 494 | Scale-invariant resonance tagging in multijet events and new physics in Higgs pair production. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.   | 1.6 | 86        |
| 495 | Boosting the standard model Higgs signal with the Template Overlap Method. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.   | 1.6 | 15        |
| 496 | Quantifying quark mass effects at the LHC: a study of $pp \rightarrow \overline{b}b + X$ at next-to-leading order. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.                               | 1.6 | 11        |
| 497 | Phenomenology of Minimal Unified Tree Level Gauge Mediation at the LHC. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.  | 1.6 | 2         |
| 498 | Measurement of the production cross section of jets in association with a Z boson in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.  | 1.6 | 73        |
| 499 | Energy correlation functions for jet substructure. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.   | 1.6 | 236       |
| 500 | Measurement of the cross-section for W boson production in association with b-jets in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1. | 1.6 | 53        |
| 501 | Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.  | 1.6 | 320       |
| 502 | Photon isolation effects at NLO in $\hat{p}^3$ +jet final states in hadronic collisions. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.   | 1.6 | 28        |
| 503 | Search for third generation scalar leptoquarks in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.                                     | 1.6 | 32        |
| 504 | Probing the two light Higgs scenario in the NMSSM with a low-mass pseudoscalar. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.  | 1.6 | 38        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 505 | Jet sampling: improving event reconstruction through multiple interpretations. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 12        |
| 506 | Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.                                    | 1.6 | 39        |
| 507 | Single top events as a source of light charged Higgs in the fully hadronic final state at LHC. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 8         |
| 508 | Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 58        |
| 509 | Measurement of the $\overline{\text{t}}\text{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.              | 1.6 | 16        |
| 510 | LHC constraints on $M_{1/2}$ and $m_0$ in the semi-constrained NMSSM. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 17        |
| 511 | Cornering light stops with dileptonic $m_{T2}$ . Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 37        |
| 512 | QCD jet rates with the inclusive generalized $k_t$ algorithms. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 22        |
| 513 | Search for dark matter candidates and large extra dimensions in events with a jet and missing transverse momentum with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.              | 1.6 | 137       |
| 514 | Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 50        |
| 515 | Parton shower effects on W and Z production via vector boson fusion at NLO QCD. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 17        |
| 516 | Recursive generation of one-loop amplitudes in the Standard Model. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 111       |
| 517 | QCD matrix elements + parton showers. The NLO case. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 436       |
| 518 | Electroweak $W+W\gamma$ jj production at NLO in QCD matched with parton shower in the POWHEG-BOX. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 14        |
| 519 | A first top partner hunter's guide. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 199       |
| 520 | Jet substructure by accident. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 24        |
| 521 | Extracting $\tilde{f}$ eff from the $\text{CDF}^{\hat{3}} + 3\text{jets}$ measurement. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 20        |
| 522 | Measurement of ZZ production in pp collisions at $\sqrt{s}=7$ TeV and limits on anomalous ZZZ and $\text{ZZ}\hat{3}$ couplings with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 61        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 523 | A new twist on top quark spin correlations. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 31        |
| 524 | Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 15        |
| 525 | Search for charged Higgs bosons through the violation of lepton universality in $\overline{t}$ events using pp collision data at $\sqrt{s}=7$ TeV with the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.          | 1.6 | 19        |
| 526 | Automatic spin-entangled decays of heavy resonances in Monte Carlo simulations. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 363       |
| 527 | Search for the neutral Higgs bosons of the minimal supersymmetric standard model in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 52        |
| 528 | Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 20        |
| 529 | An analysis of the influence of background subtraction and quenching on jet observables in heavy-ion collisions. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 31        |
| 530 | Gauge mediation models with vectorlike matters at the LHC. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 16        |
| 531 | A new quantity for studies of dijet azimuthal decorrelations. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 5         |
| 532 | Searches for Exotics: Heavy resonances with the ATLAS detector. Journal of Physics: Conference Series, 2013, 455, 012021.  | 0.3 | 0         |
| 533 | Longitudinal momentum shifts, showering, and nonperturbative corrections in matched next-to-leading-order shower event generators. Physical Review D, 2013, 87, .  | 1.6 | 16        |
| 534 | Reducing theoretical uncertainties for exclusive Higgs-boson plus one-jet production at the LHC. Physical Review D, 2013, 87, .  | 1.6 | 36        |
| 535 | Sensitivity of the LHC isolated $\hat{p}^3$ + $\hat{a}$ jet data to the parton distribution functions of the proton. Europhysics Letters, 2013, 101, 61002.  | 0.7 | 30        |
| 536 | Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.  | 1.4 | 20        |
| 537 | RPV stops bump off the background. European Physical Journal C, 2013, 73, 1.   | 1.4 | 31        |
| 538 | A new observable to measure the top-quark mass at hadron colliders. European Physical Journal C, 2013, 73, 1.  | 1.4 | 54        |
| 539 | Measurement of k T splitting scales in $W\hat{a}, \hat{a}^{1/2}$ events at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2432.  | 1.4 | 19        |
| 540 | Search for a light charged Higgs boson in the decay channel $H^{+} \rightarrow c\bar{s}$ in $\hat{t}$ events using pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2013, 73, 2465. | 1.4 | 119       |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 559 | A perturbative QCD study of dijets in p+Pb collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 22        |
| 560 | NNLOPS simulation of Higgs boson production. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 163       |
| 561 | Matching squark pair production at NLO with parton showers. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 27        |
| 562 | Complete Nagy-Soper subtraction for next-to-leading order calculations in QCD. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 36        |
| 563 | Cornering electroweakinos at the LHC. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 54        |
| 564 | Search for direct third-generation squark pair production in final states with missing transverse momentum and two b-jets in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.                    | 1.6 | 102       |
| 565 | Measurement of the production cross section for $\mathbf{Z}\gamma o u \overline{u}\gamma$ in pp collisions at $\sqrt{s}=7$ TeV and limits on $ZZ\gamma^3$ and $Z\gamma^3$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1. | 1.6 | 14        |
| 566 | Measurement of the W-boson helicity in top-quark decays from $\mathbf{t}\overline{\mathbf{t}}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.                                   | 1.6 | 30        |
| 567 | Search for new phenomena in final states with large jet multiplicities and missing transverse momentum at $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS experiment. Journal of High Energy Physics, 2013, 2013, 1.                         | 1.6 | 71        |
| 568 | Factorization and N3LLp+NNLO predictions for the Higgs cross section with a jet veto. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 92        |
| 569 | HW $\hat{\Delta}$ /HZ + 0 and 1 jet at NLO with the POWHEG BOX interfaced to GoSam and their merging within MiNLO. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 131       |
| 570 | Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{\Delta}$ T and b-quark multiplicity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2013, 73, 2568.                      | 1.4 | 147       |
| 571 | Search for the Standard Model Higgs boson in the $\mathbf{H} o ZZ o ell^+ ell^- q\bar{q}$ decay channel at CMS on $4.6 \text{ fb}^{-1}$ of 7 TeV proton-proton collision data. European Physical Journal Plus, 2013, 128, 1.                           | 1.2 | 2         |
| 572 | Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.      | 1.6 | 16        |
| 573 | Chargino and neutralino production at the Large Hadron Collider in left-right supersymmetric models. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 10        |
| 574 | Unsafe but calculable: ratios of angularities in perturbative QCD. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 68        |
| 575 | Performance of jet substructure techniques for large-R jets in proton-proton collisions at $\sqrt{s}=7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 52        |
| 576 | Towards an understanding of jet substructure. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 336       |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 577 | Measurement of the inclusive jet cross-section in pp collisions at $\sqrt{s}=2.76$ mbox{TeV} and comparison to the inclusive jet cross-section at $\sqrt{s}=7$ mbox{TeV} using the ATLAS detector. European Physical Journal C, 2013, 73, 2509. | 1.4 | 105       |
| 578 | Top partner probes of extended Higgs sectors. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 15        |
| 579 | Learning how to count: a high multiplicity search for the LHC. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 20        |
| 580 | Transverse top quark polarization and the $\overline{t}$ forward-backward asymmetry. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 16        |
| 581 | Measurement of masses in the $\overline{t}$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ mbox{TeV}. European Physical Journal C, 2013, 73, 2494.  | 1.4 | 55        |
| 582 | Search for physics beyond the standard model in events with $\overline{t}$ , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ mbox{TeV}. European Physical Journal C, 2013, 73, 2493.                    | 1.4 | 22        |
| 583 | Strong signatures of right-handed compositeness. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 41        |
| 584 | W and Z bosons in association with two jets using the POWHEG method. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 24        |
| 585 | Measurement of the $\overline{t}$ production cross section in the $\overline{t}$ , +jets channel in pp collisions at $\sqrt{s}=7$ mbox{TeV}. European Physical Journal C, 2013, 73, 1.  | 1.4 | 24        |
| 586 | SUSY-QCD corrections to neutralino pair production in association with a jet. European Physical Journal C, 2013, 73, 1.   | 1.4 | 23        |
| 587 | Multi-channel search for squarks and gluinos in $\sqrt{s}=7$ mbox{ TeV} pp collisions with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 2362.  | 1.4 | 34        |
| 588 |   |     |           |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 595 | Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1. | 1.4 | 60        |
| 596 | Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous $WW\tilde{W}^3$ and $WWZ$ couplings. European Physical Journal C, 2013, 73, 1.  | 1.4 | 62        |
| 597 | A framework for Higgs characterisation. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 154       |
| 598 | Observability of heavy charged Higgs through s-channel single top events at LHC. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 9         |
| 599 | NLO QCD corrections to diphoton plus jet production through graviton exchange. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 9         |
| 600 | Measurement of the top quark charge in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 17        |
| 601 | Towards the fate of natural composite Higgs model through single $t\bar{t}$ search at the 8 TeV LHC. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 26        |
| 602 | Current experimental bounds on stop mass in natural SUSY. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 61        |
| 603 | Search for Higgs decaying to $WW$ at CMS. Journal of Physics: Conference Series, 2013, 455, 012030.   | 0.3 | 0         |
| 604 | Jets and Jet-like correlations in STAR. Nuclear Physics A, 2013, 910-911, 51-57.  | 0.6 | 1         |
| 605 | Tau Reconstruction, Identification Algorithms and Performance in ATLAS. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 21-24.  | 0.5 | 1         |
| 606 | Jet Studies in ATLAS. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 43-46.  | 0.5 | 0         |
| 607 | Soft QCD in ATLAS. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 47-50.   | 0.5 | 0         |
| 608 | Next-to-Leading-Order QCD Corrections to Higgs Boson Production in Association with a Top Quark Pair and a Jet. Physical Review Letters, 2013, 111, 171801.   | 2.9 | 21        |
| 609 | Search for charginos nearly mass degenerate with the lightest neutralino based on a disappearing-track signature in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 110       |
| 610 | Extracting precise Higgs couplings by using the matrix element method. Physical Review D, 2013, 87, .   | 1.6 | 24        |
| 611 | Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 46        |
| 612 | ATLAS search for new phenomena in dijet mass and angular distributions using pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 81        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 613 | Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or $\geq 3$ b-quark jets in 7 TeV pp collisions using the variable $\hat{\perp}_T$ . Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 34        |
| 614 | Search for resonances decaying into top-quark pairs using fully hadronic decays in pp collisions with ATLAS at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 1.6 | 59        |
| 615 | Search for direct chargino production in anomaly-mediated supersymmetry breaking models based on a disappearing-track signature in pp collisions at $\sqrt{s}=7$ ;mathrm{TeV} with the ATLAS detector. Journal of High Energy Physics, 2013, 2013, 1.                            | 1.6 | 15        |
| 616 | Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 1.6 | 13        |
| 617 | Search for single $\chi_{c1}$ production with the ATLAS detector at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 1.5 | 11        |
| 618 | Search for Higgs production through vector-boson fusion at the NLO matched with parton showers. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282.  | 1.5 | 12        |
| 619 | Measurements of the inclusive jet cross section and jet fragmentation in pp collisions with the ALICE experiment at the LHC. Nuclear Physics A, 2013, 910-911, 319-322.  | 0.6 | 3         |
| 620 | Measurement of isolated-photon-jet correlations in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282.  | 0.6 | 1         |
| 621 | Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282. | 0.6 | 0         |
| 622 | Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282. | 1.5 | 41        |
| 623 | Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282. | 1.5 | 195       |
| 624 | Measurement of the jet radius and transverse momentum dependence of inclusive jet suppression in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282. | 1.5 | 47        |
| 625 | Looking for an invisible Higgs signal at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 344-351.  | 1.5 | 46        |
| 626 | Study of jet quenching using photon-jet events in PbPb collisions at 2.76 TeV with CMS. Nuclear Physics A, 2013, 904-905, 685c-688c.   | 0.6 | 0         |
| 627 | Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $\sqrt{s_{NN}}=2.76$ TeV collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282.                                   | 1.5 | 9         |
| 628 | Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $\sqrt{s_{NN}}=2.76$ TeV collisions with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282.                                   | 1.5 | 18        |
| 629 | Reconstructed Jet Results in p + p, d + Au and Cu + Cu collisions at 200 GeV from PHENIX. Nuclear Physics A, 2013, 910-911, 425-428.   | 0.6 | 3         |
| 630 | Spectra and nuclear modification factor of charged hadrons produced in lead-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 273-282.                           | 0.6 | 0         |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 631 | Precision QCD at HERA. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 207-212.   | 0.5 | 0         |
| 632 | Search for a $W$ boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 207-212.  | 1.5 | 34        |
| 633 | CIJET: A program for computation of jet cross sections induced by quark contact interactions at hadron colliders. Computer Physics Communications, 2013, 184, 2362-2366.  | 3.0 | 11        |
| 634 | Search for light top squark pair production in final states with leptons and b-jets with the ATLAS detector in $\sqrt{s}=7$ TeV proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.                                      | 0.6 | 2         |
| 635 | Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.  | 1.5 | 54        |
| 636 | Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Nuclear Physics B, 2013, 875, 483-535.  | 0.6 | 2         |
| 637 | Systematic Monte-Carlo studies of dijets at RHIC using the VNI/BMS Parton Cascade. Nuclear Physics A, 2013, 904-905, 759c-762c.   | 0.9 | 33        |
| 638 | Observation of a Higgs-like Boson in CMS at the LHC. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 7-14.  | 0.5 | 0         |
| 639 | What can we learn from dijets? A systematic study at RHIC with VNI/BMS. Nuclear Physics A, 2013, 910-911, 429-432.  | 0.6 | 1         |
| 640 | Realistic modelling of jets in heavy-ion collisions. Nuclear Physics A, 2013, 910-911, 494-497.   | 0.6 | 6         |
| 641 | Performance and improvements of the ATLAS jet trigger system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 253-254.  | 0.7 | 3         |
| 642 | Search for supersymmetry in events with photons, bottom quarks, and missing transverse momentum in proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279.       | 1.5 | 6         |
| 643 | Heavy flavor and vector boson associated production. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 81-84.   | 0.5 | 0         |
| 644 | Jets in heavy ion collisions with ATLAS. Nuclear Physics A, 2013, 904-905, 130c-137c.   | 0.6 | 2         |
| 645 | Search for pair production of heavy top-like quarks decaying to a high- $p_T$ $W$ boson and a b quark in proton collisions at a centre-of-mass energy of 7 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 261-279. | 1.5 | 40        |
| 646 | Measurement of jet spectra with charged particles in $\sqrt{s}=7$ TeV proton collisions at the ATLAS detector. Nuclear Physics, Section B, Proceedings Supplements, 2013, 234, 81-84.   | 0.6 | 2         |
| 647 | Measurements of Jet Suppression with ATLAS. Nuclear Physics A, 2013, 904-905, 709c-712c.  | 0.6 | 0         |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 649 | Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 207-232.    | 1.5  | 45        |
| 650 | Inclusive b-jet production in heavy ion collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 251-256.   | 1.5  | 14        |
| 651 | Higgs decay to goldstini and its observability at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 228-233.   | 1.5  | 12        |
| 653 | Search for long-lived particles in events with protons and missing energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272.             | 0.5  | 0         |
| 654 | Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 262-272.                                      | 1.5  | 68        |
| 655 | MEKS: A program for computation of inclusive jet cross sections at hadron colliders. Computer Physics Communications, 2013, 184, 1626-1642.  | 3.0  | 30        |
| 657 | Jet Shapes in pp and PbPb collisions in the CMS Experiment. Nuclear Physics A, 2013, 904-905, 732c-735c.   | 0.6  | 0         |
| 658 | Measurements of top quark pair relative differential cross-sections with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.   | 1.4  | 61        |
| 659 | Search for pair-produced massive coloured scalars in four-jet final states with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.  | 1.4  | 45        |
| 660 | Physics opportunities of a fixed-target experiment using LHC beams. Physics Reports, 2013, 522, 239-255.   | 10.3 | 143       |
| 661 | Parton distributions with LHC data. Nuclear Physics B, 2013, 867, 244-289.   | 0.9  | 1,299     |
| 662 | Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 280-301.   | 1.5  | 15        |
| 663 | Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.               | 1.5  | 130       |
| 664 | NLO QCD corrections to multi-jet production at the LHC with a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 965-978.                               | 1.5  | 55        |
| 665 | Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 815-840. | 1.5  | 24        |
| 666 | Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 841-859. | 1.5  | 24        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 667 | Search for new phenomena in the $W^+W^- \rightarrow \mu^+\mu^- + \text{jet}$ final state in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 860-876. | 1.5 | 27        |
| 668 | Measurement of the transverse momentum with the ATLAS detector in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 879-901.  | 1.5 | 37        |
| 669 | Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2283.   | 1.4 | 64        |
| 670 | Measurement of the flavour composition of dijet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. European Physical Journal C, 2013, 73, 1.  | 1.4 | 15        |
| 671 | Single hadron response measurement and calorimeter jet energy scale uncertainty with the ATLAS detector at the LHC. European Physical Journal C, 2013, 73, 1.   | 1.4 | 45        |
| 672 | Jet energy resolution in proton-proton collisions at $\sqrt{s}=7$ TeV recorded in 2010 with the ATLAS detector. European Physical Journal C, 2013, 73, 2306.  | 1.4 | 209       |
| 673 | Jet fragmentation function moments in heavy ion collisions. European Physical Journal C, 2013, 73, 1.   | 1.4 | 8         |
| 674 | Measurement of the $\tau$ production cross section in the tau + jets channel using the ATLAS detector. European Physical Journal C, 2013, 73, 2328.   | 1.4 | 45        |
| 675 | Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.  | 1.4 | 125       |
| 676 | Searching the sbottom in the four lepton channel at the LHC. European Physical Journal C, 2013, 73, 1.  | 1.4 | 9         |
| 677 | The light stop window. European Physical Journal C, 2013, 73, 1.  | 1.4 | 71        |
| 678 | Measurement of Top Quark Polarization in Top-Antitop Events from Proton-Proton Collisions at $\sqrt{s}=7$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 232002.  | 2.9 | 57        |
| 679 | Neutralino dark matter and the Fermi gamma-ray lines. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 016-016.  | 1.9 | 31        |
| 680 | A Nonparametric Peak Finder Algorithm and Its Application in Searches for New Physics. Advances in High Energy Physics, 2013, 2013, 1-4.  | 0.5 | 4         |
| 681 | Search for WH production with a light Higgs boson decaying to prompt electron-jets in proton-proton collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. New Journal of Physics, 2013, 15, 043009.   | 1.2 | 15        |
| 682 | Search for the Standard Model Higgs boson in the $bb\gamma$ and $\tau\tau\gamma$ decay modes with the ATLAS detector. Journal of Physics: Conference Series, 2013, 455, 012015.   | 0.3 | 0         |
| 683 | Electroweak Higgs Boson Plus Three Jet Production at Next-to-Leading-Order QCD. Physical Review Letters, 2013, 111, 211802.   | 2.9 | 36        |
| 684 | Search for narrow resonances using the dijet mass spectrum in $pp \rightarrow \mu^+\mu^- + \text{jet}$ collisions at $\sqrt{s}=7$ TeV with the ATLAS detector. Physical Review Letters, 2013, 111, 232002.  | 1.6 | 71        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 703 | Search for Dark Matter Candidates and Large Extra Dimensions in Events with a Photon and Missing Transverse Momentum in $p\bar{p}$ Collision Data at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 111, 131801. | 2.9 | 105       |
| 704 | Next-to-Leading-Order QCD Corrections to Higgs Boson Production Plus Three Jets in Gluon Fusion. Physical Review Letters, 2013, 111, 131801.   | 1.6 | 12        |
| 705 | Next-to-Leading-Order QCD Corrections to Higgs Boson Production Plus Three Jets in Gluon Fusion. Physical Review Letters, 2013, 111, 131801.   | 2.9 | 65        |
| 706 | Sensor fault diagnosis method based on fractal dimension. , 2013, , .  |     | 0         |
| 707 | Jet Charge at the LHC. Physical Review Letters, 2013, 110, 212001.   | 2.9 | 95        |
| 708 | Search for long-lived stopped $R$ -hadrons decaying out of time with $p\bar{p}$ collisions using the ATLAS detector. Physical Review D, 2013, 88, .  | 1.6 | 57        |
| 709 | Probing the Pomeron structure using dijets and $\tilde{\chi}^0$ events at the LHC. Physical Review D, 2013, 88, .  | 1.6 | 11        |
| 710 | LHC sensitivity to a Kaluza-Klein gluon in the twob-jets decay channel. Physical Review D, 2013, 87, .   | 1.6 | 3         |
| 711 | Phenomenology of photon-jets. Physical Review D, 2013, 87, .   | 1.6 | 36        |
| 712 | Pinning down Higgs triplets at the LHC. Physical Review D, 2013, 88, .   | 1.6 | 50        |
| 713 | Discriminating Higgs production mechanisms using jet energy profiles. Physical Review D, 2013, 88, .   | 1.6 | 8         |
| 714 | Evidence for Associated Production of a Single Top Quark and $W$ Boson in $p\bar{p}$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 110, 022003.   | 2.9 | 61        |
| 715 | Measurement of $W^+W^-$ production in $p\bar{p}$ collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 110, 022003.   | 1.6 | 76        |
| 716 | Boosting searches for natural supersymmetry with $R$ -parity violation via gluino cascades. Physical Review D, 2013, 87, .   | 1.6 | 13        |
| 717 | Search for pair-produced dijet resonances in four-jet final states in $p\bar{p}$ collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 110, 022003.   | 2.9 | 43        |
| 718 | Unravelling $t\bar{t}$ production via the Matrix Element Method. Physical Review Letters, 2013, 111, 091802.   | 2.9 | 44        |
| 719 | Identifying the $b$ -quark inside a boosted hadronically decaying top quark using jet substructure in its center-of-mass frame. Physical Review D, 2013, 88, .   | 1.6 | 4         |
| 720 | Boosted dibosons from mixed heavy top squarks. Physical Review D, 2013, 88, .  | 1.6 | 8         |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 721 | Precise QCD Predictions for the Production of a Photon Pair in Association with Two Jets. Physical Review Letters, 2013, 111, 222002.<br><a href="#">Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in</a> | 2.9 | 35        |
| 722 | $p\bar{p} \rightarrow p\bar{p} + \sqrt{s} \rightarrow p\bar{p} + 7$ Collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review D, 2013, 87, .   | 2.9 | 44        |
| 723 | Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .   | 1.6 | 13        |
| 724 | Search for new phenomena in events with three charged leptons at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .  | 1.6 | 14        |
| 725 | Measurements of $WZ\bar{l}l$ and $WZl\bar{l}$ production in $p\bar{p}$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2013, 87, .  | 1.6 | 60        |
| 726 | Measurement of the Azimuthal Angle Dependence of Inclusive Jet Yields in Pb+Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS Detector. Physical Review Letters, 2013, 111, 152301.   | 2.9 | 59        |
| 727 | Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .   | 1.6 | 9         |
| 728 | Doubly-charged particles at the Large Hadron Collider. Physical Review D, 2013, 88, .  | 1.6 | 31        |
| 729 | Supersymmetric heavy Higgs bosons at the LHC. Physical Review D, 2013, 88, .   | 1.6 | 22        |
| 730 | Supersymmetry with light dark matter confronting the recent CDMS and LHC results. Physical Review D, 2013, 88, .   | 1.6 | 19        |
| 731 | The shape of spins. Physical Review D, 2013, 88, .   | 1.6 | 16        |
| 732 | Three-jet production and gluon saturation effects in $p\bar{p}$ and p-Pb collisions within high-energy factorization. Physical Review D, 2013, 88, .   | 1.6 | 9         |
| 733 | Measuring the $t\bar{t}h$ coupling from same-sign dilepton $pp \rightarrow t\bar{t}h$ measurements.  | 1.6 | 23        |
| 734 | Resummation of jet-veto logarithms in hadronic processes containing jets. Physical Review D, 2013, 87, .   | 1.6 | 37        |
| 735 | Jets and Photons. Physical Review Letters, 2013, 110, 122003.  | 2.9 | 32        |
| 736 | Jet mass spectra in Higgs boson plus one jet at next-to-next-to-leading logarithmic order. Physical Review D, 2013, 88, .  | 1.6 | 45        |
| 737 | Calculating Track-Based Observables for the LHC. Physical Review Letters, 2013, 111, 102002.<br><a href="#">Measurement of associated production of vector bosons and top quark-antiquark pairs in</a>                                 | 2.9 | 65        |
| 738 | $p\bar{p} \rightarrow p\bar{p} + \sqrt{s} \rightarrow p\bar{p} + 7$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS Detector. Physical Review D, 2013, 87, .   | 2.9 | 45        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 739 | Using 1-jettiness to measure 2 jets in DIS 3 ways. Physical Review D, 2013, 88, .   | 1.6 | 36        |
| 740 | Simple $\epsilon$ -invariance of two-body decay kinematics. Physical Review D, 2013, 88, .  | 1.6 | 38        |
| 741 | Boosted $h\bar{h}$ production in $b\bar{b}$ decays: A new topology in searches for TeV-scale resonances at the LHC. Physical Review D, 2013, 88, .                                | 1.6 | 18        |
| 742 | JET CROSS-SECTION MEASUREMENTS IN CMS. International Journal of Modern Physics A, 2013, 28, 1330030.  | 0.5 | 1         |
| 743 | Characterisation and mitigation of beam-induced backgrounds observed in the ATLAS detector during the 2011 proton-proton run. Journal of Instrumentation, 2013, 8, P07004-P07004. | 0.5 | 59        |
| 744 | Systematic Monte-Carlo studies of dijets at RHIC using the VNI/BMS Parton Cascade. Journal of Physics: Conference Series, 2013, 446, 012008.                                      | 0.3 | 0         |
| 745 | Jet-Hadron Correlations in pp and Pb-Pb Collisions with ALICE. Journal of Physics: Conference Series, 2013, 446, 012009.  | 0.3 | 1         |
| 746 | LHC searches for physics beyond the Standard Model with top quarks. Journal of Physics: Conference Series, 2013, 452, 012010.   | 0.3 | 0         |
| 747 | Search for exotic resonances in diboson final states with the CMS detector at the LHC. Journal of Physics: Conference Series, 2013, 455, 012029.                                  | 0.3 | 0         |
| 748 | RHIC and LHC heavy ion collisions with pQCD Boltzmann transport. Journal of Physics: Conference Series, 2013, 455, 012051.  | 0.3 | 0         |
| 749 | Introduction to QCD. , 2013, , .  |     | 6         |
| 750 | Full Jet Reconstruction in 2.76 TeV pp and Pb-Pb collisions in the ALICE experiment. Journal of Physics: Conference Series, 2013, 446, 012006.                                    | 0.3 | 9         |
| 751 | Searches for Heavy Quarks at the ATLAS experiment. Journal of Physics: Conference Series, 2013, 447, 012047.  | 0.3 | 0         |
| 752 | Single top-quarks at the LHC. Journal of Physics: Conference Series, 2013, 452, 012019.   | 0.3 | 0         |
| 753 | Recent results on jet physics from ALICE at the LHC. Journal of Physics: Conference Series, 2013, 458, 012025.  | 0.3 | 0         |
| 754 | Measurement of jet $p_T$ spectra in Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV with the ALICE detector at the LHC. Journal of Physics: Conference Series, 2013, 446, 012005.       | 0.3 | 2         |
| 755 | Higgs Boson Searches at ATLAS. Journal of Physics: Conference Series, 2013, 447, 012044.  | 0.3 | 0         |
| 756 | Results on the Search for MSSM Neutral and Charged Higgs bosons (CMS). Journal of Physics: Conference Series, 2013, 447, 012048.  | 0.3 | 0         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 757 | Search for exotic same-sign dilepton signatures ( $b$ quark, $T_{5/3}$ and four top) Tj ETQq0 0 0 rgBT /Overlock 10 T of Physics: Conference Series, 2013, 452, 012047.  | 0.3 | 1         |
| 758 | Top-quark mass measurements at LHC: a new approach. Journal of Physics: Conference Series, 2013, 452, 012050.  | 0.3 | 0         |
| 759 | Measurement of the top-quark mass with all-jets final states in pp collisions at 7 TeV. Journal of Physics: Conference Series, 2013, 452, 012022.  | 0.3 | 0         |
| 760 | Measurement of Differential $t\bar{t}$ , Cross Sections at 7 TeV. Journal of Physics: Conference Series, 2013, 452, 012027.  | 0.3 | 0         |
| 761 | Measurement of the top quark pair production cross section with ATLAS in pp collisions at $\sqrt{s} = 7$ TeV in the single-lepton channel using semileptonic decays. Journal of Physics: Conference Series, 2013, 452, 012030. | 0.3 | 0         |
| 762 | Search for Single Production of Vector-like Quarks Coupling to Light Generations in $4.64 \text{ fb}^{-1}$ of ATLAS Data at $\sqrt{s} = 7$ TeV. Journal of Physics: Conference Series, 2013, 452, 012054.                      | 0.3 | 1         |
| 763 | Probing the medium with jets in ALICE. Journal of Physics: Conference Series, 2013, 422, 012010.   | 0.3 | 0         |
| 764 | Overview of Recent ATLAS Physics Results. Journal of Physics: Conference Series, 2013, 447, 012014.  | 0.3 | 1         |
| 765 | Object definition and performance at CMS. Journal of Physics: Conference Series, 2013, 452, 012015.  | 0.3 | 1         |
| 766 | Triggers for displaced decays of long-lived neutral particles in the ATLAS detector. Journal of Instrumentation, 2013, 8, P07015-P07015.   | 0.5 | 48        |
| 767 | Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.  | 0.5 | 418       |
| 768 | Search for SM Higgs decaying to two W bosons at CMS. EPJ Web of Conferences, 2013, 49, 12004.  | 0.1 | 0         |
| 769 | Search for a Higgs boson produced in the vector boson fusion process in the diphoton channel with the ATLAS experiment. EPJ Web of Conferences, 2013, 49, 18018.   | 0.1 | 0         |
| 770 | Searches for direct supersymmetric gaugino and slepton pair production in final states with leptons with the ATLAS detector. EPJ Web of Conferences, 2013, 49, 15008.  | 0.1 | 0         |
| 771 | Search for SUSY in final states with photons at CMS. EPJ Web of Conferences, 2013, 49, 15015.  | 0.1 | 0         |
| 772 | Production of $W/Z$ in Association with Jets. EPJ Web of Conferences, 2013, 49, 16007.   | 0.1 | 0         |
| 773 | Top pair production at ATLAS. EPJ Web of Conferences, 2013, 49, 17004.   | 0.1 | 0         |
| 774 | Sensitivity of the LHC to Kaluza-Klein gluon in two b-jets decay channel. EPJ Web of Conferences, 2013, 49, 18001.   | 0.1 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 775 | Dynamics of isolated-photon plus jet production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. EPJ Web of Conferences, 2013, 60, 20004.                                    | 0.1 | 0         |
| 776 | Jet Energy Calibration in the CMS experiment. EPJ Web of Conferences, 2013, 60, 20010.  | 0.1 | 0         |
| 777 | A search for $Z$ resonance in the lepton plus jets channel with ATLAS using 14 fb <sup>-1</sup> of proton-proton collisions at $\sqrt{s} = 8$ TeV. EPJ Web of Conferences, 2013, 60, 20044. | 0.1 | 2         |
| 778 | W and Z production in association with light and heavy-flavour jets at the LHC and the Tevatron. EPJ Web of Conferences, 2013, 60, 05003.   | 0.1 | 0         |
| 779 | Heavy ions in CMS. EPJ Web of Conferences, 2013, 60, 13010.   | 0.1 | 0         |
| 780 | Intrinsic top quark properties: mass, charge and polarisation measured with the ATLAS detector at the LHC. EPJ Web of Conferences, 2013, 60, 16008.   | 0.1 | 0         |
| 781 | Searches for Long-Lived Particles with the CMS experiment. EPJ Web of Conferences, 2013, 60, 17006.   | 0.1 | 0         |
| 782 | First results from pPb collisions at the LHC. EPJ Web of Conferences, 2013, 60, 06004.  | 0.1 | 5         |
| 783 | Jet physics in hadronic collisions: theoretical remarks. EPJ Web of Conferences, 2013, 49, 06001.   | 0.1 | 0         |
| 784 | Top-quark mass measurements using jet rates at LHC. EPJ Web of Conferences, 2013, 60, 16005.  | 0.1 | 0         |
| 785 | Search for the Standard Model Higgs boson produced in association with a vector boson and decaying to bottom quarks with the ATLAS detector. EPJ Web of Conferences, 2013, 49, 18027.       | 0.1 | 0         |
| 786 | The Design and Performance of the ATLAS jet trigger. EPJ Web of Conferences, 2013, 60, 20053.   | 0.1 | 1         |
| 787 | Single top-quark production measurements with ATLAS at the LHC. EPJ Web of Conferences, 2013, 49, 17012.  | 0.1 | 0         |
| 788 | Search for the SM Higgs Boson in Di-jet Final States at CMS. EPJ Web of Conferences, 2013, 49, 12010.   | 0.1 | 1         |
| 789 | Searches for New Physics in Top-like Final States. EPJ Web of Conferences, 2013, 60, 17010.   | 0.1 | 0         |
| 790 | Searches for pair production of third generation squarks with the ATLAS detector. EPJ Web of Conferences, 2013, 49, 15011.  | 0.1 | 0         |
| 791 | Single top-quark production cross-section at the LHC in ATLAS. EPJ Web of Conferences, 2014, 71, 00047.   | 0.1 | 1         |
| 792 | Overview of results from ALICE at the CERN LHC. EPJ Web of Conferences, 2014, 70, 00023.  | 0.1 | 0         |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 793 | Jet Physics at the LHC. EPJ Web of Conferences, 2014, 71, 00037.  | 0.1 | 0         |
| 794 | Measurements of diboson production with the ATLAS detector. EPJ Web of Conferences, 2014, 71, 00014.  | 0.1 | 0         |
| 795 | Measurements of properties of the Higgs-like boson in the $H \rightarrow ZZ(*) \rightarrow 4\ell$ decay channel using the ATLAS detector. EPJ Web of Conferences, 2014, 71, 00124.                                | 0.1 | 0         |
| 796 | Exotic Physics at ATLAS. EPJ Web of Conferences, 2014, 71, 00086.   | 0.1 | 0         |
| 797 | Hard And Soft QCD Physics In ATLAS. EPJ Web of Conferences, 2014, 70, 00030.  | 0.1 | 0         |
| 798 | Transverse single-spin asymmetries from $p\bar{p} \rightarrow \text{jet} + X$ and $p\bar{p} \rightarrow \text{jet} + \ell^+ \ell^- + X$ at $\sqrt{s} = 500$ GeV at RHIC. EPJ Web of Conferences, 2014, 73, 02009. | 0.1 | 5         |
| 799 | ATLAS QCD measurements for Higgs studies and New Physics searches. EPJ Web of Conferences, 2014, 80, 00021.   | 0.1 | 0         |
| 800 | A search for dark matter appearing as missing transverse energy at CMS. Journal of Physics: Conference Series, 2014, 485, 012030.   | 0.3 | 0         |
| 801 | ATLAS high- $p_T$ measurements in lead-lead collisions. Journal of Physics: Conference Series, 2014, 509, 012073.   | 0.3 | 0         |
| 802 | Search for neutral Higgs bosons of the minimal supersymmetric standard model in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                     | 1.6 | 82        |
| 803 | Diboson production in proton-proton collisions at $\sqrt{s} = 7$ TeV. International Journal of Modern Physics A, 2014, 29, 1430053.   | 0.5 | 3         |
| 804 | Extended gamma-ray emission from Dark Matter. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 009-009.  | 1.9 | 124       |
| 805 | Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.  | 0.5 | 486       |
| 806 | A neural network clustering algorithm for the ATLAS silicon pixel detector. Journal of Instrumentation, 2014, 9, P09009-P09009.   | 0.5 | 45        |
| 807 | Measurement of Higgs boson production in the diphoton decay channel in $pp$ collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2014, 90, .                          | 1.6 | 214       |
| 808 | Searches for heavy Higgs bosons in two-Higgs-doublet models and $h$ decay using multilepton and diphoton final states in $pp$ collisions at 8 TeV. Physical Review D, 2014, 90, .                                 | 1.6 | 51        |
| 809 | Comprehensive measurements of $t$ -channel single top-quark production cross sections at the ATLAS detector. Physical Review D, 2014, 90, .   | 1.6 | 68        |
| 810 | Measurements of $t$ -channel single top-quark production cross sections at $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physical Review D, 2014, 90, .  | 1.6 | 15        |



| #   | Searches for electroweak neutralino and chargino production in channels with Higgs, $Z$ , and $W$ bosons in $pp$ collisions at $8\hat{\text{A}}\text{TeV}$ . Physical Review D, 2014, 90, .   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 811 | Searches for electroweak neutralino and chargino production in channels with Higgs, $Z$ , and $W$ bosons in $pp$ collisions at $8\hat{\text{A}}\text{TeV}$ . Physical Review D, 2014, 90, .   | 1.6 | 69        |
| 812 | Model-independent probe of anomalous heavy neutral Higgs bosons at the LHC. Physical Review D, 2014, 90, .  | 1.6 | 10        |
| 813 | Measurements of spin correlation in top-antitop quark events from proton-proton collisions at the ATLAS detector. Physical Review D, 2014, 90, .  | 1.6 | 31        |
| 814 | Search for heavy neutrinos and $W$ bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2014, 74, 3149.  | 1.4 | 179       |
| 815 | Measurement of top quark-antiquark pair production in association with a $W$ or $Z$ boson in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2014, 74, 3060.   | 1.4 | 43        |
| 816 | Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ using the ATLAS detector. European Physical Journal C, 2014, 74, 3117.  | 1.4 | 40        |
| 817 | A measurement of the ratio of the production cross sections for $W$ and $Z$ bosons in association with jets with the ATLAS detector. European Physical Journal C, 2014, 74, 3168.   | 1.4 | 23        |
| 818 | Measurements of fiducial and differential cross sections for Higgs boson production in the diphoton decay channel at $\sqrt{s} = 8 \text{ TeV}$ with ATLAS. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 45        |
| 819 | Search for supersymmetry in events with large missing transverse momentum, jets, and at least one tau lepton in $20 \text{ fb}^{-1}$ of $\sqrt{s} = 8 \text{ TeV}$ proton-proton collision data with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 12        |
| 820 | Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and $W$ , $Z$ , and Higgs bosons in $pp$ collisions at $8\hat{\text{A}}\text{TeV}$ . European Physical Journal C, 2014, 74, 3036.                                       | 1.4 | 241       |
| 821 | Higgs characterisation at NLO in QCD: CP properties of the top-quark Yukawa interaction. European Physical Journal C, 2014, 74, 3065.   | 1.4 | 107       |
| 822 | Constraining bosonic supersymmetry from Higgs results and $8 \text{ TeV}$ ATLAS multi-jets plus missing energy data. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 4         |
| 823 | Determination of the top quark mass from leptonic observables. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 33        |
| 824 | Search for squarks and gluinos with the ATLAS detector in final states with jets and missing transverse momentum using $\sqrt{s} = 8 \text{ TeV}$ proton-proton collision data. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 128       |
| 825 | Search for nonpointing and delayed photons in the diphoton and missing transverse momentum final state in $8\hat{\text{A}}\text{TeV}$ collisions at the LHC using the ATLAS detector. Physical Review D, 2014, 90, .  | 1.6 | 41        |
| 826 | Measurement of the $t\bar{t}$ production cross-section using $e^+e^-$ events with $b$ -tagged jets in $pp$ collisions at $\sqrt{s} = 7$ and $8\hat{\text{A}}\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.                           | 1.4 | 143       |
| 827 | Determination of the $b$ -quark mass in the angular screening effects in the ATLAS $b$ -jet shape data. Nuclear Physics B, 2014, 889, 401-418.  | 0.9 | 4         |
| 828 | Measurement of the production cross section for a $W$ boson and two $b$ jets in $pp$ collisions at $\sqrt{s} = 7$ and $8\hat{\text{A}}\text{TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 224-225.               | 1.5 | 5         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 829 | Direct bounds on electroweak scale pseudo-Dirac neutrinos from $\sqrt{s}$ LHC data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 1-7.  | 1.5 | 5         |
| 830 | Search for WZ resonances in the fully leptonic channel using pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 68-86.                                      | 1.5 | 6         |
| 831 | Search for the Standard Model Higgs boson decay to $WZ$ with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 68-86.   | 1.5 | 6         |
| 832 | Search for excited quarks in the $pp \rightarrow Zq$ channel at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 87-96.  | 1.5 | 11        |
| 833 | Search for $WZ$ resonances in the $pp \rightarrow WZ$ final state in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 87-96.                   | 1.5 | 23        |
| 834 | Search for pair production of standard generation top squarks and top squarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 97-106.      | 1.5 | 58        |
| 835 | Search for pair production of standard generation top squarks and top squarks in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 97-106.      | 1.5 | 58        |
| 836 | Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 320-342.             | 1.5 | 121       |
| 837 | Identification of Parton Pairs in a Dijet Event and Investigation of Its Effects on Dijet Resonance Search. Advances in High Energy Physics, 2014, 2014, 1-7.  | 0.5 | 3         |
| 839 | Probing heavy-ion collisions with jets in the CMS experiment. Proceedings of SPIE, 2014, , .   | 0.8 | 0         |
| 840 | 1-jettiness DIS event shape: $\Delta_{1j}$ . Analyzing radial flow features in $pp$ and $p$ -Pb collisions at $\sqrt{s} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 320-342. | 1.1 | 149       |
| 842 | Measurement of inclusive jet charged-particle fragmentation functions in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 320-342.             | 2.9 | 35        |
| 843 | LHC phenomenology of SO(10) models with Yukawa unification. II. Physical Review D, 2014, 90, .   | 1.6 | 14        |
| 844 | Measuring collinear $W$ emissions inside jets. Physical Review D, 2014, 89, .  | 1.6 | 26        |
| 845 | Jet cleansing: Separating data from secondary collision induced radiation at high luminosity. Physical Review D, 2014, 90, .   | 1.6 | 31        |
| 846 | Saturation effects in forward-forward dijet production in $pp$ collisions. Physical Review D, 2014, 89, .  | 1.6 | 22        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 865 | Search for the standard model Higgs boson produced in association with a $W$ or a $Z$ boson and decaying to bottom quarks. Physical Review D, 2014, 89, .                 | 1.6 | 161       |
| 866 | Search for dark matter in events with a $Z$ boson and missing transverse momentum. Physical Review D, 2014, 89, .   | 1.6 | 90        |
| 867 | Telescoping jets: Probing hadronic event structure with multiple $R$ jets. Physical Review D, 2014, 89, .   | 1.6 | 9         |
| 869 | Probing the flavor violating scalar top quark signal at the LHC. Physical Review D, 2014, 89, .   | 1.6 | 10        |
| 870 | Search for Invisible Decays of a Higgs Boson Produced in Association with a $Z$ Boson in ATLAS. Physical Review Letters, 2014, 112, .                                     | 2.9 | 130       |
| 871 | Measurement of the muon charge asymmetry in inclusive $W$ production at the LHC. Physical Review D, 2014, 89, .   | 1.6 | 83        |
| 872 | Resolving the Higgs-gluon coupling with jets. Physical Review D, 2014, 89, .  | 1.6 | 42        |
| 873 | Next-to-leading order QCD corrections to $W^+W^-$ and $W^+W^-$ production in association with two jets. Physical Review D, 2014, 89, .                                    | 1.6 | 16        |
| 874 | Boosting top partner searches in composite Higgs models. Physical Review D, 2014, 89, .   | 1.6 | 23        |
| 875 | Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.                                      | 1.4 | 342       |
| 876 | Search for a multi-Higgs-boson cascade in $W$ production with the ATLAS detector in $PbPb$ collisions. Physical Review D, 2014, 89, .                                     | 1.6 | 15        |
| 877 | Evidence of $b$ -jet Quenching in $PbPb$ Collisions at the LHC. Physical Review D, 2014, 89, .  | 2.9 | 85        |
| 878 | Jet hadron correlations in $PbPb$ collisions. Physical Review Letters, 2014, 112, 122301.   | 2.9 | 48        |
| 879 | Dark matter searches in the mono-Z channel at high energy $e^+e^-$ colliders. Physical Review D, 2014, 89, .  | 1.6 | 11        |
| 880 | Search for the lepton flavor violating decays $Z \rightarrow \tau^+\tau^-$ and $Z \rightarrow \mu^+\mu^-$ in $PbPb$ collisions at the LHC. Physical Review D, 2014, 89, . | 1.6 | 52        |
| 881 | Search for the lepton flavor violating decays $Z \rightarrow \tau^+\tau^-$ and $Z \rightarrow \mu^+\mu^-$ in $PbPb$ collisions at the LHC. Physical Review D, 2014, 89, . | 1.6 | 52        |
| 882 | Study of heavy-flavor quarks produced in association with top-quark pairs at $\sqrt{s}=7$ TeV using the ATLAS detector. Physical Review D, 2014, 89, .                    | 1.6 | 12        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 883 | Probing the littlest Higgs model with parity using di-Higgs events through production at the LHC in $pp$ . Physical Review D, 2014, 90, .   | 1.6 | 3         |
| 884 | Algorithm with radius parameters and reconstruction of vectorlike top partner from fully hadronic final states. Physical Review D, 2014, 90, .  | 1.6 | 56        |
| 885 | Reconstruction of vectorlike top partner from fully hadronic final states. Physical Review D, 2014, 90, .   | 1.6 | 11        |
| 886 | Reconstructing singly produced top partners in decays to $Wb$ . Physical Review D, 2014, 90, .  | 1.6 | 8         |
| 887 | Measurement of jet spectra and $R_{AA}$ in $pp$ and $PbPb$ collisions   | 0.6 | 6         |
| 888 | Better hadronic top quark polarimetry. Physical Review D, 2014, 90, .   | 1.6 | 8         |
| 889 | Jet suppression in $Pb+Pb$ collisions with the ATLAS detector. Nuclear Physics A, 2014, 932, 93-98.   | 0.6 | 0         |
| 890 | $K_S^0$ and $\bar{\Lambda}$ production in charged particle jets in $pA$ collisions at $\sqrt{s_{NN}}=5.02\text{TeV}$ with ALICE. Nuclear Physics A, 2014, 931, 444-448.   | 0.6 | 5         |
| 891 | Measurements of charged particle spectra and nuclear modification factor in $p+Pb$ collisions with the ATLAS detector. Nuclear Physics A, 2014, 931, 399-403.   | 0.6 | 4         |
| 892 | Isolated photon measurements in $pp$ and $PbPb$ collisions with CMS. Nuclear Physics A, 2014, 932, 442-446.   | 0.6 | 0         |
| 893 | Jet fragmentation with the ATLAS detector. Nuclear Physics A, 2014, 931, 433-437.   | 0.6 | 0         |
| 894 | Momentum flow relative to the dijet system in $PbPb$ collisions. Nuclear Physics A, 2014, 931, 449-454.   | 0.6 | 0         |
| 895 | Studies of dijet and photon-jet properties in $pp$ , $pPb$ , and $PbPb$ collisions with CMS. Nuclear Physics A, 2014, 931, 465-469.   | 0.6 | 1         |
| 896 | Jet production and structure in $pp$ , $pA$ and $PbA$ collisions measured by ALICE. Nuclear Physics A, 2014, 932, 189-196.  | 0.6 | 1         |
| 897 | Resummation in Higgs production at NNLL in $pp$ . Physical Review D, 2014, 89, .  | 1.6 | 106       |
| 898 | Search for Dark Matter in Events with a Hadronically Decaying $W$ Boson and Missing Transverse Momentum in $pp$ Collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS Detector. Physical Review Letters, 2014, 112, 041802. | 2.9 | 129       |
| 899 | Odd Asymmetry in $W$ jet Events at the LHC. Physical Review Letters, 2014, 113, 152001.   | 2.9 | 5         |
| 900 | Monotop phenomenology at the Large Hadron Collider. Physical Review D, 2014, 89, .  | 1.6 | 23        |



| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 901 | Aspects of jets at 100 TeV. Physical Review D, 2014, 90, .   | 1.6 | 19        |
| 902 | Probing the anomalous FCNC interactions in a top-Higgs boson final state and the charge ratio approach. Physical Review D, 2014, 89, .   | 1.6 | 29        |
| 903 | Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2014, 89, .   | 1.6 | 40        |
| 904 | Top squark with mass close to the top quark. Physical Review D, 2014, 90, .  | 1.6 | 23        |
| 905 | Bottom-up approach to the Galactic Center excess. Physical Review D, 2014, 90, .   | 1.6 | 66        |
| 906 | Next-to-leading order $\hat{\sigma}^{\text{jet}} + 2\hat{\sigma}^{\text{jet}}$ production at the LHC. Physical Review D, 2014, 90, .   | 1.6 | 16        |
| 907 | Search for pair-produced third-generation squarks decaying via charm quarks or in compressed supersymmetric scenarios in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2014, 89, . | 1.6 | 126       |
| 908 | Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $pp$ collisions with the ATLAS detector. Physical Review D, 2014, 89, .                       | 1.6 | 48        |
| 909 | Search for top squark pair production in final states with one isolated lepton, jets, and missing transverse momentum in $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.       | 1.6 | 66        |
| 910 | $W\tilde{W}^3$ production in vector boson fusion at NLO in QCD. Physical Review D, 2014, 89, .   | 1.6 | 10        |
| 911 | Combining resummed Higgs predictions across jet bins. Physical Review D, 2014, 89, .   | 1.6 | 33        |
| 912 | Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .  | 1.6 | 299       |
| 913 | QCD and strongly coupled gauge theories: challenges and perspectives. European Physical Journal C, 2014, 74, 2981.   | 1.4 | 397       |
| 914 | 3.5 keV X-ray line from nearly-degenerate WIMP dark matter decays. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 24        |
| 915 | Search for direct pair production of the top squark in all-hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.             | 1.6 | 41        |
| 916 | Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 51        |
| 917 | NNLOPS accurate Drell-Yan production. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 77        |
| 918 | Compressed SUSY search at the 13 TeV LHC using kinematic correlations and structure of ISR jets. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 17        |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 919 | A hybrid strong/weak coupling approach to jet quenching. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 106       |
| 920 | Search for strong production of supersymmetric particles in final states with missing transverse momentum and at least three b-jets at $s = 8 \sqrt{s} = 8$ TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 38        |
| 921 | Pileup per particle identification. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 182       |
| 922 | Study of hadronic event-shape variables in multijet final states in pp collisions at $s = 7 \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 3         |
| 923 | Anomalous top-Higgs couplings and top polarisation in single top and Higgs associated production at the LHC. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 53        |
| 924 | NMSSM with a singlino LSP: possible challenges for searches for supersymmetry at the LHC. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 45        |
| 925 | Measurement of differential production cross-sections for a Z boson in association with b-jets in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 45        |
| 926 | Singlet Majorana fermion dark matter: a comprehensive analysis in effective field theory. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 45        |
| 927 | Boosting stop searches with a 100 TeV proton collider. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 39        |
| 928 | Effects of color reconnection on $t\bar{t}$ final states at the LHC. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 69        |
| 929 | Search for long-lived neutral particles decaying into lepton jets in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 47        |
| 930 | 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 $s = 8 \sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                              | 1.6 | 35        |
| 931 | Analytic calculation of 1-jettiness in DIS at $\mathcal{O}(\alpha_s)$ . Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 14        |
| 932 | Finite top-mass effects in gluon-induced Higgs production with a jet-veto at NNLO. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 32        |
| 933 | Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 17        |
| 934 | “Stop” that ambulance! New physics at the LHC?. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 25        |
| 935 | Maximally symmetric two Higgs doublet model with natural standard model alignment. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 164       |
| 936 | Jet shape resummation using soft-collinear effective theory. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 34        |

| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 937 | Prospects for electroweakino discovery at a 100 TeV hadron collider. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 46        |
| 938 | Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 43        |
| 939 | Power counting to better jet observables. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 136       |
| 940 | Heavy-ion collisions at the LHC. Progress in Particle and Nuclear Physics, 2014, 77, 70-127. Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 5.6 | 39        |
| 941 | Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.   | 1.5 | 36        |
| 942 | An likelihood-based reconstruction algorithm for top-quark pairs and the KLFitter framework. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 748, 18-25. | 0.7 | 57        |
| 943 | Phenomenology of threshold corrections for inclusive jet production at hadron colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 122-129.  | 1.5 | 18        |
| 944 | Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 169       |
| 945 | Quark masses in Higgs production with a jet veto. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 57        |
| 946 | Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 25        |
| 947 | Precise Higgs-background predictions: merging NLO QCD and squared quark-loop corrections to four-lepton + 0,1 jet production. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 87        |
| 948 | Measurements of forward jet production in polarized pp collisions at $\sqrt{s} = 500$ GeV. Physics of Particles and Nuclei, 2014, 45, 96-98.  | 0.2 | 3         |
| 949 | Monte Carlo simulation of hard radiation in decays in beyond the standard model physics in Herwig++. European Physical Journal C, 2014, 74, 1.  | 1.4 | 5         |
| 950 | Higgs characterisation via vector-boson fusion and associated production: NLO and parton-shower effects. European Physical Journal C, 2014, 74, 2710.   | 1.4 | 55        |
| 951 | Measurement of the top quark pair production charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 42        |
| 952 | Resummation prediction on Higgs and vector boson associated production with a jet veto at the LHC. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 19        |
| 953 | Measurement of the $\sigma_{\text{top}}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 52        |
| 954 | DELPHES 3: a modular framework for fast simulation of a generic collider experiment. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 1,620     |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 955 | Light non-degenerate composite partners at the LHC. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6  | 39        |
| 956 | Collider signatures of a light NMSSM pseudoscalar in neutralino decays in the light of LHC results. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6  | 28        |
| 957 | Probing light higgsinos in natural SUSY from monojet signals at the LHC. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 107       |
| 958 | Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 55        |
| 959 | Ratios of W and Z cross sections at large boson p T as a constraint on PDFs and background to new physics. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 26        |
| 960 | Revisiting slepton pair production at the Large Hadron Collider. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 61        |
| 961 | Muon $g - 2$ vs LHC in supersymmetric models. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6  | 58        |
| 962 | Data driven search in the displaced $\tilde{b}$ pair channel for a Higgs boson decaying to long-lived neutral particles. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 4         |
| 963 | NNLO QCD corrections to jet production at hadron colliders from gluon scattering. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6  | 75        |
| 964 | Standard model Higgs boson searches through the 125 GeV boson discovery. Reviews of Modern Physics, 2014, 86, 479-508.   | 16.4 | 5         |
| 965 | Measurement of the mass difference between top and anti-top quarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.  | 1.5  | 8         |
| 966 | Search for the direct production of charginos, neutralinos and staus in final states with at least two hadronically decaying taus and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6  | 40        |
| 967 | Resummation with Wilson lines off the light cone. Physics of Particles and Nuclei, 2014, 45, 756-770.  | 0.2  | 7         |
| 968 | Evidence for High Energy Resummation Effects in Mueller-Navelet Jets at the LHC. Physical Review Letters, 2014, 112, .   | 2.9  | 94        |
| 969 | Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2014, 113, 072301.  | 2.9  | 62        |
| 970 | Measurement of the $\tilde{b}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.5  | 20        |
| 971 | Hard-Scattering Results in Heavy-Ion Collisions at the LHC. Annual Review of Nuclear and Particle Science, 2014, 64, 383-411.  | 3.5  | 7         |
| 972 | Measurement of the ratio $R_{\tilde{b}}$ of the $\tilde{b}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.  | 1.5  | 20        |

| #   | ARTICLE  | IF   | CITATIONS |
|-----|--|------|-----------|
| 973 | Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $\sqrt{s}=8\text{TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 371-397.   | 1.5  | 57        |
| 974 | The hadronic final state at HERA. Reviews of Modern Physics, 2014, 86, 1037-1092.  | 16.4 | 58        |
| 975 | Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.   | 1.4  | 204       |
| 976 | Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$ . European Physical Journal C, 2014, 74, 1.   | 1.4  | 75        |
| 977 | Measurement of the underlying event in jet events from $7\text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 1.  | 1.4  | 23        |
| 978 | Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8\text{ TeV}$ in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.   | 1.4  | 23        |
| 979 | Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. European Physical Journal C, 2014, 74, 2980.  | 1.4  | 171       |
| 980 | Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7\text{ TeV}$ . European Physical Journal C, 2014, 74, 3014.  | 1.4  | 16        |
| 981 | Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s}=7\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.   | 1.4  | 77        |
| 982 | Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.   | 1.6  | 85        |
| 983 | Compressed electroweakino spectra at the LHC. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6  | 119       |
| 984 | Jet veto clustering logarithms beyond leading order. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 20        |
| 985 | Next-to-leading order QCD corrections to di-photon production in association with up to three jets at the Large Hadron Collider. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 46        |
| 986 | Higgs boson pair production merged to one jet. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 36        |
| 987 | Electroweak ZZjj production in the Standard Model and beyond in the POWHEG-BOX V2. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 15        |
| 988 | Jet observables without jet algorithms. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6  | 72        |
| 989 | Jet shapes with the broadening axis. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6  | 133       |
| 990 | Measurement of the electroweak production of dijets in association with a Z-boson and distributions sensitive to vector boson fusion in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6  | 22        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 991  | Higher-order QCD effects for associated WH production and decay at the LHC. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 49        |
| 992  | Three-jet production in POWHEG. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 17        |
| 993  | Composite charge $8/3$ resonances at the LHC. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 27        |
| 994  | Probing fragmentation functions from same-side hadron-jet momentum correlations in p-p collisions. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 18        |
| 995  | Search for direct production of charginos and neutralinos in events with three leptons and missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.                  | 1.6 | 88        |
| 996  | Measuring boosted tops in semi-leptonic $t\bar{t}$ events for the standard model and beyond. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 17        |
| 997  | Measurements of the $t\bar{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 20        |
| 998  | Jet substructure templates: data-driven QCD backgrounds for fat jet searches. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 9         |
| 999  | 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, 2014, 1.  | 1.6 | 36        |
| 1000 | Measurement of the production of a W boson in association with a charm quark in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 59        |
| 1001 | Search for direct production of charginos, neutralinos and sleptons in final states with two leptons and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 145       |
| 1002 | Identifying dark matter interactions in monojet searches. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 10        |
| 1003 | Search for $W \rightarrow t\bar{t}$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 26        |
| 1004 | Constraints on composite quark partners from Higgs searches. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 15        |
| 1005 | Soft drop. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 446       |
| 1006 | Search for top quark decays $t \rightarrow qH$ with $H \rightarrow \tau\tau$ using the ATLAS detector. Journal of High Energy Physics, 2014, 2014, .  | 1.6 | 35        |
| 1007 | Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 31        |
| 1008 | Search for supersymmetry at $\sqrt{s} = 8$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 45        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1009 | Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.                   | 1.6 | 100       |
| 1010 | Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 1.6 | 70        |
| 1011 | Particle-level pileup subtraction for jets and jet shapes. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 72        |
| 1012 | Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.                               | 1.6 | 39        |
| 1013 | Search for direct top-squark pair production in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2014, 2014, 1.           | 1.6 | 59        |
| 1014 | Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 4         |
| 1015 | NLO QCD corrections to $W + W \rightarrow b \bar{b}$ production with leptonic decays in the light of top quark mass and asymmetry measurements. Journal of High Energy Physics, 2014, 2014, 1.         | 1.6 | 42        |
| 1016 | Ordering variable for parton showers. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 18        |
| 1017 | Pseudo-goldstino and electroweak gauginos at the LHC. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 9         |
| 1018 | The automated computation of tree-level and next-to-leading order differential cross sections, and their matching to parton shower simulations. Journal of High Energy Physics, 2014, 2014, 1.         | 1.6 | 4,318     |
| 1019 | Constraining couplings of top quarks to the Z boson in $t \bar{t} \rightarrow Z + Z$ production at the LHC. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 59        |
| 1020 | Parton-shower effects on Higgs boson production via vector-boson fusion in association with three jets. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 12        |
| 1021 | On the ratio of $t \bar{t} \rightarrow b \bar{b}$ and $t \bar{t} \rightarrow jj$ cross sections at the CERN Large Hadron Collider. Journal of High Energy Physics, 2014, 2014, 1.                      | 1.6 | 17        |
| 1022 | Next-to-leading order QCD corrections to ZZ production in association with two jets. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 14        |
| 1023 | Tagging boosted Ws with wavelets. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 12        |
| 1024 | What next for the CMSSM and the NUHM: improved prospects for superpartner and dark matter detection. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 58        |
| 1025 | Hadroproduction of $W + W \rightarrow b \bar{b}$ at NLO accuracy matched with shower Monte Carlo programs. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 7         |
| 1026 | Search for microscopic black holes and string balls in final states with leptons and jets with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.                | 1.6 | 10        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1027 | Neutralino dark matter at 14 TeV and 100 TeV. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 163       |
| 1028 | aMCfast: automation of fast NLO computations for PDF fits. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 53        |
| 1029 | Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 85        |
| 1030 | Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.  | 1.6 | 69        |
| 1031 | Toward multi-differential cross sections: measuring two angularities on a single jet. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 48        |
| 1032 | Super-razor and searches for sleptons and charginos at the LHC. Physical Review D, 2014, 89, .   | 1.6 | 17        |
| 1033 | TemplateTagger v1.0.0: A template matching tool for jet substructure. Computer Physics Communications, 2014, 185, 1322-1338.   | 3.0 | 22        |
| 1034 | Ntuples for NLO events at hadron colliders. Computer Physics Communications, 2014, 185, 1443-1460.   | 3.0 | 64        |
| 1035 | Evidence for Polarization of Gluons in the Proton. Physical Review Letters, 2014, 113, 012001.   | 2.9 | 222       |
| 1036 | Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.   | 1.4 | 35        |
| 1037 | A unified NLO description of top-pair and associated $Wt$ production. European Physical Journal C, 2014, 74, 1.  | 1.4 | 46        |
| 1038 | Boosted objects and jet substructure at the LHC. Report of BOOST2012, held at IFIC Valencia, 23rd-27th of July 2012. European Physical Journal C, 2014, 74, 1.   | 1.4 | 124       |
| 1039 | Lessons for SUSY from the LHC after the first run. European Physical Journal C, 2014, 74, 1.   | 1.4 | 9         |
| 1040 | Next-to-leading order QCD corrections to $W\gamma W\tilde{\nu}^3$ production in association with two jets. European Physical Journal C, 2014, 74, 1.   | 1.4 | 11        |
| 1041 | Search for direct top squark pair production in events with a $Z$ boson, $b$ -jets and missing transverse momentum in $\sqrt{s} = 8$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2014, 74, 2883. | 1.4 | 55        |
| 1042 | Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.   | 1.4 | 17        |
| 1043 | Inclusive search for a vector-like T quark with charge $\frac{2}{3}$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.             | 1.5 | 110       |
| 1044 | Di-Higgs final states at the high luminosity LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 308-313.  | 1.5 | 103       |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1045 | Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.   | 1.5 | 144       |
| 1046 | Search for baryon number violation in top-quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 173-196.  | 1.5 | 12        |
| 1047 | $Z\bar{Z}$ production at hadron colliders in NNLO QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 204-207.   | 1.5 | 93        |
| 1048 | Search for new phenomena in photon + jet events collected in proton+proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 562-570. | 1.5 | 15        |
| 1050 | Multilepton signals of gauge mediated supersymmetry breaking at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 7-12.  | 1.5 | 7         |
| 1051 | $W+W\bar{a}$ production at high transverse momenta beyond NLO. Nuclear Physics B, 2014, 879, 65-79. Observation of the Associated Production of a Single Top Quark and a $W$ Boson in $pp$ Collisions at $\sqrt{s} = 7$ TeV.               | 0.9 | 14        |
| 1052 | $W$ Boson in $pp$ Collisions at $\sqrt{s} = 7$ TeV.  | 2.9 | 108       |
| 1053 | Dijet measurements in pPb collisions. Nuclear Physics A, 2014, 926, 229-235.   | 0.6 | 0         |
| 1054 | A time-multiplexed track-trigger architecture for CMS. Journal of Instrumentation, 2014, 9, C10034-C10034.   | 0.5 | 10        |
| 1055 | The CMS high level trigger. International Journal of Modern Physics Conference Series, 2014, 31, 1460297.  | 0.7 | 1         |
| 1056 | Searches for the pair production of scalar leptoquarks at CMS. Journal of Physics: Conference Series, 2014, 485, 012053.   | 0.3 | 2         |
| 1057 | MadAnalysis 5: status and new developments. Journal of Physics: Conference Series, 2014, 523, 012032.  | 0.3 | 8         |
| 1058 | DELPHES 3: A modular framework for fast-simulation of generic collider experiments. Journal of Physics: Conference Series, 2014, 523, 012033.  | 0.3 | 65        |
| 1059 | Study of b-jet tagging performance in ALICE. Journal of Physics: Conference Series, 2014, 509, 012061.   | 0.3 | 1         |
| 1060 | GoSam applications for automated NLO calculations. Journal of Physics: Conference Series, 2014, 523, 012056.   | 0.3 | 1         |
| 1061 | Recent results of gluon and sea quark polarization measurements in polarized proton-proton collisions at STAR. Journal of Physics: Conference Series, 2014, 535, 012003.   | 0.3 | 0         |
| 1062 | A Neural-Network Clusterisation Algorithm for the ATLAS Silicon Pixel Detector. Journal of Physics: Conference Series, 2014, 523, 012023.  | 0.3 | 1         |
| 1063 | Computation of multi-leg amplitudes with NJET. Journal of Physics: Conference Series, 2014, 523, 012057.   | 0.3 | 21        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1064 | Higgs boson production in association with a jet using jetness subtraction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 5-8.            | 1.5 | 167       |
| 1065 | Kinematic bias on centrality selection of jet events in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 441-445. | 1.5 | 28        |
| 1066 | Heavy charged Higgs boson production at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 48        |
| 1067 | LHC constraints on gauge boson couplings to dark matter. Physical Review D, 2015, 91, .  | 1.6 | 30        |
| 1068 | Prospect for measuring the $C \times P$ phase in the $h \rightarrow \tilde{l}_R \tilde{l}_R^*$ coupling at the LHC. Physical Review D, 2015, 91, .                                       | 1.6 | 17        |
| 1069 | Searches for dark matter signals in simplified models at future hadron colliders. Physical Review D, 2015, 91, .   | 1.6 | 12        |
| 1070 | Sudakov safety in perturbative QCD. Physical Review D, 2015, 91, .   | 1.6 | 80        |
| 1071 | Search for massive supersymmetric particles decaying to many jets using the ATLAS detector in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . Physical Review D, 2015, 91, .               | 1.6 | 34        |
| 1072 | Double Higgs boson production in the $4 \tilde{l}_R$ channel from resonances in longitudinal vector boson scattering at a $100 \text{ TeV}$ collider. Physical Review D, 2015, 91, .     | 1.6 | 7         |
| 1073 | Probing the NMSSM via Higgs boson signatures from stop cascade decays at the LHC. Physical Review D, 2015, 91, .   | 1.6 | 10        |
| 1074 | Discovering heavy new physics in boosted $Z$ channels: $Z \rightarrow \mu^+ \mu^-$ and $Z \rightarrow \tau^+ \tau^-$ . Physical Review D, 2015, 92, .                                    | 1.6 | 15        |
| 1075 | Observation and measurement of Higgs boson decays to $W^+ W^-$ at the ATLAS detector. Physical Review D, 2015, 92, .   | 1.6 | 110       |
| 1076 | Unitarity-controlled resonances after the Higgs boson discovery. Physical Review D, 2015, 92, .  | 1.6 | 14        |
| 1077 | Single-inclusive production of hadrons and jets in lepton-nucleon scattering at NLO. Physical Review D, 2015, 92, .  | 1.6 | 28        |
| 1078 | Extrapolating $W$ -associated jet-production ratios at the LHC. Physical Review D, 2015, 92, .   | 1.6 | 7         |
| 1079 | How to decontaminate overlapping fat jets. Physical Review D, 2015, 92, .  | 1.6 | 1         |
| 1080 | Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b \bar{b}$ . Physical Review D, 2015, 92, .  | 1.6 | 43        |
| 1081 | Factorization of the dijet cross section in electron-positron annihilation with jet algorithms. Physical Review D, 2015, 92, .   | 1.6 | 11        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1082 | Effective field theory analysis of double Higgs boson production via gluon fusion. Physical Review D, 2015, 92, .  | 1.6 | 120       |
| 1083 | Hadron fragmentation inside jets in hadronic collisions. Physical Review D, 2015, 92, .  | 1.6 | 51        |
| 1084 | Constraining the minimal dark matter fiveplet with LHC searches. Physical Review D, 2015, 92, .  | 1.6 | 28        |
| 1085 | Search for massive, long-lived particles using multitrack displaced vertices or displaced lepton pairs in collisions at the LHC. Physical Review D, 2015, 92, .                    | 1.6 | 91        |
| 1086 | Measurements of the top quark branching ratios into channels with leptons and quarks with the ATLAS detector. Physical Review D, 2015, 92, .                                       | 1.6 | 7         |
| 1087 | Higgs-Strahlung: Merging the NLO Drell-Yan and loop-induced jet multiplicities. Physical Review D, 2015, 92, .   | 1.6 | 19        |
| 1088 | Jet maximization, axis minimization, and stable cone finding. Physical Review D, 2015, 92, .   | 1.6 | 5         |
| 1089 | Analysis of exclusive $T_{\text{jet}}$ algorithms in electron-positron annihilation. Physical Review D, 2015, 92, .  | 1.6 | 2         |
| 1090 | Fiducial cross sections for Higgs boson production in association with a jet at next-to-next-to-leading order in QCD. Physical Review D, 2015, 92, .                               | 1.6 | 53        |
| 1091 | Reemergence of rapidity-scale uncertainty in soft-collinear effective theory. Physical Review D, 2015, 92, .   | 1.6 | 7         |
| 1092 | Prospects of heavy neutrino searches at future lepton colliders. Physical Review D, 2015, 92, .  | 1.6 | 76        |
| 1093 | Same-sign dilepton excesses and light top squarks. Physical Review D, 2015, 92, .  | 1.6 | 7         |
| 1094 | Evaluating the double parton scattering contribution to Mueller-Navelet jets production at the LHC. Physical Review D, 2015, 92, .   | 1.6 | 33        |
| 1095 | Identification of a bottom quark-antiquark pair in a single jet with high transverse momentum and its application. Physical Review D, 2015, 92, .                                  | 1.6 | 2         |
| 1096 | Jet vetoes versus giant $K$ factors in the exclusive jet cross section. Physical Review D, 2015, 92, .   | 1.6 | 22        |
| 1097 | Mixed stops and the ATLAS on- $Z$ excess. Physical Review D, 2015, 92, .   | 1.6 | 2         |
| 1098 | Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s}=8\text{ TeV}$ . Physical Review D, 2015, 92, . | 1.6 | 7         |
| 1099 | Direct and indirect searches for top-Higgs FCNC couplings. Physical Review D, 2015, 92, .  | 1.6 | 21        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1118 | Constraints on the spin-parity and anomalous $HVV$ couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .  | 1.6 | 185       |
| 1119 | Search for long-lived, weakly interacting particles that decay to displaced hadronic jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .                          | 1.6 | 61        |
| 1120 | Use of charged-track information to subtract neutral pileup. Physical Review D, 2015, 92, .  | 1.6 | 7         |
| 1121 | Probe Higgs boson pair production via the $Wj\bar{j}$ notation="updiagonalstrike" mode.  | 1.6 | 27        |
| 1122 | Search for type-II seesaw heavy leptons in $pp \rightarrow p\bar{p}$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .  | 1.6 | 24        |
| 1123 | Disformal dark energy at colliders. Physical Review D, 2015, 92, .   | 1.6 | 38        |
| 1124 | Study of $W$ boson production in association with beauty and charm. Physical Review D, 2015, 92, .   | 1.6 | 22        |
| 1125 | Search for $W$ boson production in association with beauty and charm in the $pp \rightarrow W\bar{l}l$ state in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .                | 1.6 | 19        |
| 1126 | Search for photonic signatures of gauge-mediated supersymmetry in $pp$ collisions with the ATLAS detector. Physical Review D, 2015, 92, .  | 1.6 | 19        |
| 1127 | Search for supersymmetry with photons in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .   | 1.6 | 7         |
| 1128 | Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .  | 1.6 | 55        |
| 1129 | ATLAS $Z$ -peaked excess in the MSSM with a light sbottom or stop. Physical Review D, 2015, 92, .  | 1.6 | 12        |
| 1130 | Searches for Higgs boson pair production in the $pp \rightarrow H\bar{H}$ stretchy="false"> $pp \rightarrow H\bar{H}$ state in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, . | 1.6 | 101       |
| 1131 | Drell-Yan production at NNLL in $pp$ collisions with the ATLAS detector. Physical Review D, 2015, 92, .  | 1.6 | 7         |
| 1132 | Vector dark matter at the LHC. Physical Review D, 2015, 92, .  | 1.6 | 10        |
| 1133 | Search for pair production of a new heavy quark that decays into a $W$ boson and a light quark in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physical Review D, 2015, 92, .                              | 1.6 | 48        |
| 1134 | Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.   | 2.9 | 27        |
| 1135 | Search for New Phenomena in Dijet Angular Distributions in Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2015, 114, 221802.   | 2.9 | 27        |

| #    | Search for a Heavy Neutral Particle Decaying to   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1136 | Production of $\tilde{t}_1$ in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 2.9 | 20        |
| 1137 | Production of $\tilde{t}_1$ in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 2.9 | 30        |
| 1138 | Fully Differential Vector-Boson-Fusion Higgs Production at Next-to-Next-to-Leading Order. Physical Review Letters, 2015, 115, 082002.   | 2.9 | 177       |
| 1139 | Higgs Boson Production in Association with a Jet at Next-to-Next-to-Leading Order. Physical Review Letters, 2015, 115, 082003.  | 2.9 | 165       |
| 1140 | Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2015, 115, 092002.        | 2.9 | 70        |
| 1141 | Hadroproduction of $t\bar{t}$ anti- $t$ pair with two isolated photons with PowHel. Nuclear Physics B, 2015, 897, 717-731.  | 0.9 | 5         |
| 1142 | Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.                            | 1.5 | 54        |
| 1143 | Modelling $Z \rightarrow \tilde{l}_i \tilde{l}_i$ , processes in ATLAS with $\tilde{l}_i$ -embedded $Z \rightarrow \tilde{l}_i \tilde{l}_i$ data. Journal of Instrumentation, 2015, 10, P09018-P09018.  | 0.5 | 17        |
| 1144 | An evaluation of GPUs for use in an upgraded ATLAS High Level Trigger. , 2015, , .  |     | 1         |
| 1145 | Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 24        |
| 1146 | On the excess in the inclusive $W + W \rightarrow \tilde{l}_i \tilde{l}_i$ cross section. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 41        |
| 1147 | Hadroproduction of $t\bar{t}$ anti- $t$ pair in association with an isolated photon at NLO accuracy matched with parton shower. Journal of High Energy Physics, 2015, 2015, 1.                          | 1.6 | 9         |
| 1148 | Matching the Nagy-Soper parton shower at next-to-leading order. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 35        |
| 1149 | Auto-concealment of supersymmetry in extra dimensions. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 6         |
| 1150 | Mapping monojet constraints onto simplified dark matter models. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 45        |
| 1151 | Explanation of the ATLAS Z-peaked excess in the NMSSM. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 18        |
| 1152 | Search for low-scale gravity signatures in multi-jet final states with the ATLAS detector at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 4         |
| 1153 | Search for third-generation scalar leptoquarks in the $\tilde{t}_1$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.                           | 1.6 | 24        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1154 | Playing tag with ANN: boosted top identification with pattern recognition. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 119       |
| 1155 | A search for high-mass resonances decaying to $\tilde{l}, +\tilde{l}, \hat{a}^{\sim}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.              | 1.6 | 23        |
| 1156 | Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.                      | 1.6 | 48        |
| 1158 | Search for lepton-flavour-violating $H \rightarrow \tilde{l}_i \tilde{l}_j$ , decays of the Higgs boson with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.                                 | 1.6 | 52        |
| 1159 | Measurement of four-jet differential cross sections in $\sqrt{s}=8$ TeV proton-proton collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-76.                                    | 1.6 | 11        |
| 1160 | Closing in on compressed gluino-neutralino spectra at the LHC. Journal of High Energy Physics, 2015, 2015, 1-31.  | 1.6 | 6         |
| 1161 | Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.  | 1.5 | 193       |
| 1162 | Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119. | 1.5 | 63        |
| 1163 | Search for heavy Majorana neutrinos in $\sqrt{s}=8$ TeV proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 60-81.              | 1.5 | 68        |
| 1164 | Measurement of charged-jet production cross sections and inelastic hadronic production at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 60-81. | 1.5 | 49        |
| 1165 | A boost for the EW SUSY hunt: monojet-like search for compressed sleptons at LHC14 with $100 \text{ fb}^{-1}$ . Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 17        |
| 1166 | Improving the sensitivity of stop searches with on-shell constrained invariant mass variables. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 21        |
| 1167 | Higgs, di-Higgs and tri-Higgs production via SUSY processes at the LHC with 14 TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 9         |
| 1168 | Searches for supersymmetry using the M T2 variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 34        |
| 1169 | Tracking down hyper-boosted top quarks. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 25        |
| 1170 | Simplified dark matter top-quark interactions at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 86        |
| 1171 | Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.                                  | 1.6 | 37        |
| 1172 | Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 20        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1173 | Dark matter searches with a mono- $Z\hat{e}^2$ jet. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 27        |
| 1174 | Lepton jets from radiating dark matter. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 62        |
| 1175 | $W\hat{I}^3$ and $Z\hat{I}^3$ production at the LHC in NNLO QCD. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 63        |
| 1176 | Resonant Higgs boson pair production in the $h h \hat{a}^+ b b \hat{A}^- W W \hat{a}^+ b b \hat{A}^- \hat{a}, \hat{a} + \hat{I}^{1/2} \hat{a}, \hat{a}^{\wedge} \hat{I}^{1/2} \hat{A}^-$ decay channel. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 17        |
| 1177 | Same sign di-lepton candles of the composite gluons. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 20        |
| 1178 | A search for $t \hat{A}^-$ resonances using lepton-plus-jets events in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 66        |
| 1179 | LHC top partner searches beyond the 2 TeV mass region. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 29        |
| 1180 | Measurement of charged-particle spectra in Pb+Pb collisions at $s_{NN} = 2.76$ TeV with the ATLAS detector at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 67        |
| 1181 | Non-global logarithms, factorization, and the soft substructure of jets. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 82        |
| 1182 | Charged slepton flavor post the 8 TeV LHC: a simplified model analysis of low-energy constraints and LHC SUSY searches. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 11        |
| 1183 | Analysis of events with b-jets and a pair of leptons of the same charge in pp collisions at $s = 8 \sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 33        |
| 1184 | Search for a charged Higgs boson in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 81        |
| 1185 | XCone: N-jettiness as an exclusive cone jet algorithm. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 31        |
| 1186 | Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 12        |
| 1187 | NLO QCD corrections to off-shell top-antitop production with leptonic decays in association with a Higgs boson at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 48        |
| 1188 | The coannihilation codex. Journal of High Energy Physics, 2015, 2015, 1-86.  | 1.6 | 32        |
| 1189 | Search for a light charged Higgs boson decaying to $c s \hat{A}^-$ in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.   | 1.6 | 44        |
| 1190 | Recent results on nucleon spin structure study at RHIC. Frontiers of Physics, 2015, 10, 1.   | 2.4 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1191 | Dark-matter production through loop-induced processes at the LHC: the s-channel mediator case. European Physical Journal C, 2015, 75, 436.  | 1.4 | 47        |
| 1192 | Probing superfast quarks in nuclei through dijet production at the LHC. European Physical Journal C, 2015, 75, 1.   | 1.4 | 12        |
| 1193 | GUT-inspired SUSY and the muon $g - 2$ anomaly: prospects for LHC 14 TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 63        |
| 1194 | Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 24        |
| 1195 | O(1) GeV dark matter in SUSY and a very light pseudoscalar at the LHC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 7         |
| 1196 | Probing top-Z dipole moments at the LHC and ILC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 45        |
| 1197 | Search for high-mass diboson resonances with boson-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-39.   | 1.6 | 78        |
| 1198 | Next-to-leading order QCD predictions for top-quark pair production with up to two jets merged with a parton shower. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 74-78.                | 1.5 | 35        |
| 1199 | Dipole splitting algorithm: A practical algorithm to use the dipole subtraction procedure. Progress of Theoretical and Experimental Physics, 2015, 2015, 113B07.  | 1.8 | 1         |
| 1200 | Uncovering light scalars with exotic Higgs decays to $b\bar{b} + \frac{1}{4}\hat{1} + \frac{1}{4}\hat{1}'$ . Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 13        |
| 1201 | Differential top-antitop cross-section measurements as a function of observables constructed from final-state particles using pp collisions at $\sqrt{s} = 7$ TeV in the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 40        |
| 1202 | Constraining dark sectors with monojets and dijets. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 99        |
| 1203 | Search for heavy Majorana neutrinos with the ATLAS detector in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 84        |
| 1204 | ZZ production at high transverse momenta beyond NLO QCD. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 5         |
| 1205 | Search for production of vector-like quark pairs and of four top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.              | 1.6 | 71        |
| 1206 | Search for new phenomena in events with three or more charged leptons in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 20        |
| 1207 | Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 1         |
| 1208 | Summary of the searches for squarks and gluinos using $\sqrt{s} = 8$ TeV pp collisions with the ATLAS experiment at the LHC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 60        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1209 | Determination of the top-quark pole mass using $t\bar{t} + 1$ -jet events collected with the ATLAS experiment in 7 TeV pp collisions. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 25        |
| 1210 | Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 92        |
| 1211 | Measurement of the $t\bar{t}W$ and $t\bar{t}Z$ production cross sections in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 22        |
| 1212 | Testing ATLAS diboson excess with dark matter searches at LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 12        |
| 1213 | Resolving boosted jets with X Cone. Journal of High Energy Physics, 2015, 2015, 1-34.  | 1.6 | 12        |
| 1214 | Search for flavour-changing neutral current top quark decays $t \rightarrow Hq$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1-65.                                      | 1.6 | 19        |
| 1215 | On the treatment of resonances in next-to-leading order calculations matched to a parton shower. Journal of High Energy Physics, 2015, 2015, 1-47.   | 1.6 | 28        |
| 1216 | Boosted Higgs $\rightarrow b\bar{b}$ in vector-boson associated production at 14 TeV. European Physical Journal C, 2015, 75, 1.  | 1.4 | 15        |
| 1217 | ATLAS jet trigger update for the LHC run II. , 2015, , .   |     | 0         |
| 1218 | Production of $\hat{3}^3+2$ jets from double parton scattering in proton-proton collisions at the LHC. Chinese Physics C, 2015, 39, 121001.  | 1.5 | 2         |
| 1219 | Performance of jets at CMS. Journal of Physics: Conference Series, 2015, 587, 012004.  | 0.3 | 2         |
| 1220 | Missing $p_T$ Reconstruction at ATLAS. Journal of Physics: Conference Series, 2015, 645, 012012.   | 0.3 | 0         |
| 1221 | T-odd quark pair production and decay at $\hat{3}^3$ collider in the littlest Higgs model with T-parity in next-to-leading order QCD. Modern Physics Letters A, 2015, 30, 1550125.   | 0.5 | 0         |
| 1222 | Centrality and rapidity dependence of inclusive jet production in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 392-413. | 1.5 | 93        |
| 1223 | Non-resonant Higgs-pair production in the $b\bar{b} \rightarrow b\bar{b} + H\bar{H}$ final state at the LHC. European Physical Journal C, 2015, 75, 1.   | 1.4 | 37        |
| 1224 | Studying the sensitivity of monotop probes to compressed supersymmetric scenarios at the LHC. European Physical Journal C, 2015, 75, 1.  | 1.4 | 13        |
| 1225 | Towards an understanding of the correlations in jet substructure. European Physical Journal C, 2015, 75, 1.  | 1.4 | 103       |
| 1226 | On jet structure in heavy ion collisions. European Physical Journal C, 2015, 75, 1.  | 1.4 | 13        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1227 | Light-flavor squark reconstruction at CLIC. European Physical Journal C, 2015, 75, 1.   | 1.4 | 3         |
| 1228 | Boosted top quarks and jet structure. European Physical Journal C, 2015, 75, 1.   | 1.4 | 6         |
| 1229 | Lepton flavour violating top decays at the LHC. European Physical Journal C, 2015, 75, 450.   | 1.4 | 15        |
| 1230 | Higher-order QCD predictions for dark matter production at the LHC in simplified models with s-channel mediators. European Physical Journal C, 2015, 75, 482.                         | 1.4 | 83        |
| 1231 | Probing a light CP-odd scalar in di-top-associated production at the LHC. European Physical Journal C, 2015, 75, 1.   | 1.4 | 26        |
| 1232 | Natural Standard Model Alignment in the Two Higgs Doublet Model. Journal of Physics: Conference Series, 2015, 631, 012030.  | 0.3 | 8         |
| 1233 | Search for heavy lepton resonances decaying to a Z boson and a lepton in pp collisions at $s = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 36        |
| 1234 | Phenomenological and theoretical developments in jet physics at the LHC. International Journal of Modern Physics A, 2015, 30, 1546001.  | 0.5 | 7         |
| 1235 | Jets in heavy ion collisions at the LHC. International Journal of Modern Physics A, 2015, 30, 1546010.  | 0.5 | 5         |
| 1236 | Production of massless charm jets in pp collisions at next-to-leading order of QCD. International Journal of Modern Physics A, 2015, 30, 1550111.                                     | 0.5 | 3         |
| 1237 | Jet Measurements in Heavy-ion Collisions with CMS. Journal of Physics: Conference Series, 2015, 612, 012008.  | 0.3 | 0         |
| 1238 | Recent Standard Model results from CMS. Journal of Physics: Conference Series, 2015, 623, 012010.   | 0.3 | 0         |
| 1239 | Review of jet reconstruction algorithms. Journal of Physics: Conference Series, 2015, 645, 012008.  | 0.3 | 10        |
| 1240 | Jet quenching studies in CMS. Journal of Physics: Conference Series, 2015, 636, 012012.   | 0.3 | 0         |
| 1241 | A Brief Review of CMS Jet Measurements. Journal of Physics: Conference Series, 2015, 589, 012017.   | 0.3 | 2         |
| 1242 | New features in Delphes 3. Journal of Physics: Conference Series, 2015, 608, 012045.  | 0.3 | 49        |
| 1243 | Jet energy calibration at the LHC. International Journal of Modern Physics A, 2015, 30, 1546002.  | 0.5 | 2         |
| 1244 | Jet production in association with vector bosons or top quarks. International Journal of Modern Physics A, 2015, 30, 1546007.   | 0.5 | 1         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1245 | Overview of STAR results on correlations, jets and heavy-flavor production. Journal of Physics: Conference Series, 2015, 589, 012002.  | 0.3 | 0         |
| 1246 | Recent results on associated vector boson production with the ATLAS and CMS experiments. EPJ Web of Conferences, 2015, 90, 04004.  | 0.1 | 1         |
| 1247 | Impact of CMS measurements on PDFs. EPJ Web of Conferences, 2015, 90, 07003.   | 0.1 | 0         |
| 1248 | Toward the development of more robust jet definitions. EPJ Web of Conferences, 2015, 90, 10001.  | 0.1 | 0         |
| 1249 | Identification of hadronic tau decays in CMS. EPJ Web of Conferences, 2015, 95, 04074.   | 0.1 | 0         |
| 1250 | Transverse Single Spin Asymmetries in Hadronic Interactions: An Experimental Overview and Outlook. EPJ Web of Conferences, 2015, 85, 01008.  | 0.1 | 1         |
| 1251 | Spin physics highlights from STAR. EPJ Web of Conferences, 2015, 95, 03013.  | 0.1 | 0         |
| 1252 | Summary of results on exotic searches from ATLAS. EPJ Web of Conferences, 2015, 95, 04065.   | 0.1 | 1         |
| 1253 | Review of physics results using jet substructure techniques in LHC Run1. EPJ Web of Conferences, 2015, 90, 09001.  | 0.1 | 1         |
| 1254 | Recent results on Electroweak measurements from ATLAS. EPJ Web of Conferences, 2015, 95, 04006.  | 0.1 | 0         |
| 1255 | The study of QCD in high pile-up environments: Higgs boson and Drell-Yan production. EPJ Web of Conferences, 2015, 90, 10004.  | 0.1 | 0         |
| 1256 | HepSim: A Repository with Predictions for High-Energy Physics Experiments. Advances in High Energy Physics, 2015, 2015, 1-7.   | 0.5 | 20        |
| 1257 | Emerging jets. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 107       |
| 1258 | Slepton pair production in association with a jet: NLO-QCD corrections and parton-shower effects. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 5         |
| 1259 | Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212. | 1.4 | 541       |
| 1260 | Parton distributions for the LHC run II. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 1,298     |
| 1261 | Identifying boosted new physics with non-isolated leptons. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 15        |
| 1262 | Vetoed jet clustering: the mass-jump algorithm. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 5         |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 1263 | Top-pair production and decay at NLO matched with parton showers. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6  | 97        |
| 1264 | Search for squarks and gluinos in events with isolated leptons, jets and missing transverse momentum at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6  | 42        |
| 1265 | Evidence for the Higgs-boson Yukawa coupling to tau leptons with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6  | 116       |
| 1266 | Associated jet and subjet rates in light-quark and gluon jet discrimination. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6  | 37        |
| 1267 | Accessing the core of naturalness, nearly degenerate higgsinos, at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6  | 52        |
| 1268 | Measurement of the $Z\bar{\nu}\nu$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6  | 11        |
| 1269 | Excessive Higgs pair production with little MET from squarks and gluinos in the NMSSM. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6  | 11        |
| 1270 | Measurement of the charge asymmetry in dileptonic decays of top quark pairs in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6  | 17        |
| 1271 | Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 158.  | 1.4  | 17        |
| 1272 | Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.                 | 1.4  | 68        |
| 1273 | Asymmetries in top quark pair production at hadron colliders. Reviews of Modern Physics, 2015, 87, 421-455.   | 16.4 | 44        |
| 1274 | Study of (W/Z)H production and Higgs boson couplings using $H \rightarrow W W \rightarrow \ell \ell$ decays with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6  | 22        |
| 1275 | Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.   | 1.4  | 191       |
| 1276 | Measurements of the $Z \rightarrow \nu \bar{\nu}$ production cross sections in the $Z \rightarrow \nu \bar{\nu} + \text{jets}$ channel in proton-proton collisions at $\sqrt{s} = 7$ and $8$ TeV. European Physical Journal C, 2015, 75, 511. | 1.4  | 32        |
| 1277 | Beauty-quark and charm-quark pair production asymmetries at LHCb. Physical Review D, 2015, 92, .  | 1.6  | 9         |
| 1278 | Jet measurements by ALICE at LHC. Physics of Atomic Nuclei, 2015, 78, 1587-1590.  | 0.1  | 0         |
| 1279 | Measurements of inclusive jet and dijet cross sections at the Large Hadron Collider. International Journal of Modern Physics A, 2015, 30, 1546003.  | 0.5  | 4         |
| 1280 | Comparison of the $Z \rightarrow \nu \bar{\nu} + \text{jets}$ to $\hat{t} \rightarrow \hat{t} + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.                            | 1.6  | 6         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1281 | Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 30        |
| 1282 | Search for $h \rightarrow t\bar{t}$ produced in association with top quarks and constraints on the Yukawa coupling between the top quark and the Higgs boson using data taken at 7 TeV and 8 TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 222-242. | 1.5 | 57        |
| 1283 | Squark production and decay matched with parton showers at NLO. European Physical Journal C, 2015, 75, 1.   | 1.4 | 19        |
| 1284 | Search for s-channel single top-quark production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 118-136.   | 1.5 | 57        |
| 1285 | Observability of triple or double charged Higgs production in two Higgs doublet model type II at an $e^+e^-$ linear collider. International Journal of Modern Physics A, 2015, 30, 1550022.   | 0.5 | 3         |
| 1286 | Recent CMS results on diffraction. International Journal of Modern Physics A, 2015, 30, 1542011.  | 0.5 | 2         |
| 1287 | Charm, beauty and top at HERA. Progress in Particle and Nuclear Physics, 2015, 84, 1-72.  | 5.6 | 20        |
| 1288 | Differential cross-section measurements for the production of a W boson in association with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 12-37.   | 1.5 | 57        |
| 1289 | Di-Higgs phenomenology in $t\bar{t}A$ : The forgotten channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 93-97.  | 1.5 | 53        |
| 1290 | Search for a standard Model-like Higgs boson in the $b\bar{b}$ final state in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.  | 1.5 | 44        |
| 1291 | Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.   | 1.5 | 18        |
| 1292 | Search for a standard Model-like Higgs boson in the $h \rightarrow t\bar{t}$ decay and $h \rightarrow t\bar{t}$ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 11-136.  | 1.5 | 29        |
| 1293 | Search for a CP-odd Higgs boson decaying to $Zh$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 184-207.  | 1.5 | 67        |
| 1294 | Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 163-183.   | 1.5 | 24        |
| 1295 | Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 5-28.  | 1.5 | 21        |
| 1296 | Measurement of jet suppression in central $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.   | 1.5 | 105       |
| 1297 | Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.   | 1.5 | 24        |
| 1298 | Probing top-philic sgluons with LHC Run I data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 48-52.   | 1.5 | 20        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1299 | Top-quark production in proton–nucleus and nucleus–nucleus collisions at LHC energies and beyond. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 64-72.  | 1.5 | 20        |
| 1300 | Measurement of the cross section ratio $\frac{\sigma(\text{top} \rightarrow \text{top} + \text{jet})}{\sigma(\text{top} \rightarrow \text{top})}$ in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . Physical Review D, 2015, 91, . | 1.5 | 15        |
| 1301 | Spying an invisible Higgs boson. Physical Review D, 2015, 91, .  | 1.6 | 29        |
| 1302 | Measurements of jet multiplicity and differential production cross sections of $Z + \text{jets}$ in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . Physical Review D, 2015, 91, .  | 1.6 | 46        |
| 1303 | Leptonic top quark asymmetry predictions at LHCb. Physical Review D, 2015, 91, .   | 1.6 | 7         |
| 1304 | QCD radiation in $W$ and $WZ$ production and anomalous coupling measurements. Physical Review D, 2015, 91, .   | 1.6 | 6         |
| 1305 | Sensitivity to new high-mass states decaying to $t\bar{t}$ in proton-proton collisions at a $100 \text{ TeV}$ collider. Physical Review D, 2015, 91, .   | 1.6 | 8         |
| 1306 | Relic neutralino surface at a $100 \text{ TeV}$ collider. Physical Review D, 2015, 91, .   | 1.6 | 35        |
| 1307 | Probing the light radion through diphotons at the Large Hadron Collider. Physical Review D, 2015, 91, .  | 1.6 | 8         |
| 1308 | Search for top quark flavor changing neutral currents in same-sign top quark production. Physical Review D, 2015, 91, .  | 1.6 | 9         |
| 1309 | Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . Physical Review D, 2015, 91, .   | 1.6 | 90        |
| 1310 | Search for Higgs Boson Pair Production in the $t\bar{t} + \text{bb}\bar{\text{b}}\bar{\text{b}}$ Final State Using pp Collision Data at $\sqrt{s} = 8 \text{ TeV}$ from the ATLAS Detector. Physical Review Letters, 2015, 114, 081802.      | 2.9 | 98        |
| 1311 | Improving Identification of Dijet Resonances at Hadron Colliders. Physical Review Letters, 2015, 114, 041802.  | 2.9 | 4         |
| 1312 | Monojetlike Searches for Top Squarks with a $b$ -tag. Physical Review Letters, 2015, 114, 201801.  | 2.9 | 20        |
| 1313 | Building a better boosted top tagger. Physical Review D, 2015, 91, .   | 1.6 | 21        |
| 1314 | Studies of high-transverse momentum jet substructure and top quarks produced in $1.96 \text{ TeV}$ proton-antiproton collisions. Physical Review D, 2015, 91, .  | 1.6 | 1         |
| 1315 | Signatures of top flavored dark matter. Physical Review D, 2015, 91, .   | 1.6 | 32        |
| 1316 | Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s} = 8 \text{ TeV}$ . Physical Review Letters, 2015, 114, 101801.  | 2.9 | 36        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1317 | Constraints on Randall-Sundrum model from the events of dijet production with QCD next-to-leading order accuracy at the LHC. Physical Review D, 2015, 91, .  | 1.6 | 1         |
| 1318 | Constraining new colored matter from the ratio of 3 to 2 jets cross sections at the LHC. Physical Review D, 2015, 91, .  | 1.6 | 23        |
| 1319 | Search for new phenomena in the dijet mass distribution using collision data at the ATLAS detector. Physical Review D, 2015, 91, .   | 1.6 | 227       |
| 1320 | New approach for detecting a compressed bino/wino at the LHC. Physical Review D, 2015, 91, .   | 1.6 | 28        |
| 1321 | Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.                                       | 1.4 | 73        |
| 1322 | Measurements of the Nuclear Modification Factor for jets in Pb-Pb Collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, .   | 2.9 | 135       |
| 1323 | Measurements of Higgs boson production and couplings in the four-lepton channel in collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, .                                      | 1.6 | 158       |
| 1324 | Simultaneous measurements of the cross sections for $t\bar{t}$ and $t\bar{t} + W$ production in collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS detector. Physical Review D, 2015, 91, .                         | 1.6 | 71        |
| 1325 | Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.   | 1.6 | 16        |
| 1326 | Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.   | 2.9 | 44        |
| 1327 | Dissecting Soft Radiation with Factorization. Physical Review Letters, 2015, 114, 092001.  | 2.9 | 34        |
| 1328 | Measurement of Spin Correlation in Top-Antitop Quark Events and Search for Top Squark Pair Production in $t\bar{t}$ Events. Physical Review D, 2015, 91, .   | 2.9 | 35        |
| 1329 | Search for Supersymmetry Using Factor Variables in Events with $t\bar{t}$ and $t\bar{t} + W$ Production in collisions at center-of-mass energies of 7 and 8 TeV with the ATLAS Detector. Physical Review Letters, 2015, 114, 142001. | 2.9 | 64        |
| 1330 | Probing the Higgs boson via vector boson fusion with single jet tagging at the LHC. Physical Review D, 2015, 91, .   | 1.6 | 5         |
| 1331 | Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.   | 2.9 | 80        |
| 1332 | Next-to-leading order calculation for jets defined by a maximized jet function. Physical Review D, 2015, 91, .   | 1.6 | 7         |
| 1333 | Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .   | 1.6 | 167       |
| 1334 | Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .   | 1.6 | 46        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1335 | Jet Production at HERA and Determination of $\alpha_s$ . Nuclear and Particle Physics Proceedings, 2015, 260, 199-202.   | 0.2 | 0         |
| 1336 | Automated NLO/NLL Monte Carlo programs for the LHC. Nuclear and Particle Physics Proceedings, 2015, 261-262, 93-114.   | 0.2 | 1         |
| 1338 | Studies of dijet pseudorapidity distributions and transverse momentum balance in pPb collisions at $\sqrt{s}=5.02\text{TeV}$ . Annals of Physics, 2015, 352, 27-34.  | 1.0 | 1         |
| 1339 | NLO corrections to processes with electroweak bosons at hadron colliders. Nuclear and Particle Physics Proceedings, 2015, 261-262, 268-307.  | 0.2 | 3         |
| 1340 | Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s}=7\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 17.  | 1.4 | 268       |
| 1341 | Measurement of multijet production in $e^+e^-$ collisions at high $Q^2$ and determination of the strong coupling $\alpha_s$ . European Physical Journal C, 2015, 75, 1.  | 1.4 | 34        |
| 1342 | Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ . European Physical Journal C, 2015, 75, 66.   | 1.4 | 31        |
| 1343 | Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 79.                        | 1.4 | 30        |
| 1344 | Search for resonant diboson production in the $q\bar{q}$ final state in $pp$ collisions at $\sqrt{s}=8\text{TeV}$ with the ATLAS detector. European Physical Journal C, 2015, 75, 69.  | 1.4 | 74        |
| 1345 | Measurements of the $W$ production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.   | 1.4 | 92        |
| 1346 | SoftKiller, a particle-level pileup removal method. European Physical Journal C, 2015, 75, 59.   | 1.4 | 69        |
| 1347 | Search for dark matter in events with heavy quarks and missing transverse momentum in $pp$ collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.  | 1.4 | 77        |
| 1348 | Higgs production in neutralino decays in the MSSM. European Physical Journal C, 2015, 75, 1.   | 1.4 | 8         |
| 1349 | Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.   | 1.4 | 44        |
| 1350 | Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s}=8\text{TeV}$ . European Physical Journal C, 2015, 75, 151.   | 1.4 | 44        |
| 1351 | Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 30        |
| 1352 | On statistical aspects of $Q$ jets. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 11        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1353 | Characterising dark matter searches at colliders and direct detection experiments: vector mediators. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 130       |
| 1354 | Measurement of the $W W + W Z$ cross section and limits on anomalous triple gauge couplings using final states with one lepton, missing transverse momentum, and two jets with the ATLAS detector at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 27        |
| 1355 | Measurement of the $W$ boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 26        |
| 1356 | Measurement of the $Z+b$ -jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 9         |
| 1357 | Searches for heavy long-lived charged particles with the ATLAS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 33        |
| 1358 | Search for the $b \bar{b} \hat{A}^-$ decay of the Standard Model Higgs boson in associated (W/Z)H production with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 89        |
| 1359 | The elusive gluon. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 25        |
| 1360 | Electroweak corrections to lepton pair production in association with two hard jets at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 23        |
| 1361 | Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 46        |
| 1362 | Mass effects in the Higgs-gluon coupling: boosted vs. off-shell production. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 84        |
| 1363 | A light NMSSM pseudoscalar Higgs boson at the LHC redux. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 33        |
| 1364 | Enhancing $t h j$ production from top-Higgs FCNC couplings. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 32        |
| 1365 | Jets from jets: re-clustering as a tool for large radius jet reconstruction and grooming at the LHC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 36        |
| 1366 | Soft evolution of multi-jet final states. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 22        |
| 1367 | Jet-images: computer vision inspired techniques for jet tagging. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 148       |
| 1368 | Higgs production in association with bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 73        |
| 1369 | An extensive survey of the estimation of uncertainties from missing higher orders in perturbative calculations. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 31        |
| 1370 | Measurement of the inclusive jet cross-section in proton-proton collisions at $\sqrt{s} = 7$ TeV using $4.5 \text{ fb}^{-1}$ of data with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 35        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1371 | Testing radiative neutrino mass models at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 31        |
| 1372 | Pseudo-goldstino and electroweakinos via VBF processes at LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 10        |
| 1373 | Search for anomalous production of prompt same-sign lepton pairs and pair-produced doubly charged Higgs bosons with $\sqrt{s} = 8$ TeV pp collisions using the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1.                                    | 1.6 | 60        |
| 1374 | Hadroproduction of $t\bar{t}b\bar{b}$ final states at LHC: predictions at NLO accuracy matched with parton shower. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 21        |
| 1375 | Search for charged Higgs bosons decaying via $H \rightarrow \tau^+ \bar{\nu}_\tau, \tau^\pm \bar{\nu}_\tau$ in fully hadronic final states using pp collision data at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2015, 2015, 1. | 1.6 | 69        |
| 1376 | JET <sub>E_T</sub> : a global jet finding algorithm. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 8         |
| 1377 | Invisible dark gauge boson search in top decays using a kinematic method. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 10        |
| 1378 | Resummation prediction on the jet mass spectrum in one-jet inclusive production at the LHC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 17        |
| 1379 | NLO electroweak automation and precise predictions for $W$ + multijet production at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 103       |
| 1380 | Signals of a superlight gravitino at the LHC. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 17        |
| 1381 | Small-radius jets to all orders in QCD. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 96        |
| 1382 | The Geigi algorithms of jet clustering. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 3         |
| 1383 | Discovery potential for $T \rightarrow \tau^+ \tau^- Z$ in the trilepton channel at the LHC. Journal of High Energy Physics, 2015, 2015, 1.  | 1.6 | 16        |
| 1384 | $Wb\bar{b}j$ production at NLO with POWHEG+MiNLO. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 10        |
| 1385 | Boosted event topologies from TeV scale light quark composite partners. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 15        |
| 1386 | Search for production of $WW/WZ$ resonances decaying to a lepton, neutrino and jets in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.  | 1.4 | 79        |
| 1387 | Search for invisible decays of the Higgs boson produced in association with a hadronically decaying vector boson in $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 337.                                   | 1.4 | 39        |
| 1388 | Search for Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state from $pp$ collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 412.   | 1.4 | 90        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1389 | Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.                               | 1.4 | 238       |
| 1390 | Search for a new resonance decaying to a W or Z boson and a Higgs boson in the $u u + b \bar{b}$ final states with the ATLAS detector. European Physical Journal C, 2015, 75, 263.   | 1.4 | 60        |
| 1391 | Measurement of three-jet production cross-sections in pp collisions at $\sqrt{s}=7$ TeV centre-of-mass energy using the ATLAS detector. European Physical Journal C, 2015, 75, 228.  | 1.4 | 23        |
| 1392 | Identification and energy calibration of hadronically decaying tau leptons with the ATLAS experiment in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 303.   | 1.4 | 70        |
| 1393 | Rare exclusive hadronic W decays in a $t \bar{t}$ environment. European Physical Journal C, 2015, 75, 258.   | 1.4 | 11        |
| 1394 | Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.   | 1.6 | 10        |
| 1395 | Examining a right-handed quark mixing matrix with b-tags at the LHC. Nuclear Physics B, 2015, 894, 588-601.  | 0.9 | 1         |
| 1396 | Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 255-277.  | 1.4 | 320       |
| 1397 | Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 235.   | 1.4 | 320       |
| 1398 | Identification of beauty and charm quark jets at LHCb. Journal of Instrumentation, 2015, 10, P06013-P06013.  | 0.5 | 42        |
| 1399 | Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 288.                           | 1.4 | 54        |
| 1400 | Search for the Standard Model Higgs boson produced in association with top quarks and decaying into $b \bar{b}$ in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 349.                    | 1.4 | 123       |
| 1401 | Higgs production in association with a single top quark at the LHC. European Physical Journal C, 2015, 75, 267.  | 1.4 | 91        |
| 1402 | Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 318. | 1.4 | 56        |
| 1403 | Properties of the Higgs Boson Discovered at the Large Hadron Collider. Annual Review of Nuclear and Particle Science, 2015, 65, 515-554.   | 3.5 | 3         |
| 1404 | Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2015, 75, 302.   | 1.4 | 6         |
| 1405 | Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton} + \text{jets}$ channels using $\sqrt{s}=7$ TeV ATLAS data. European Physical Journal C, 2015, 75, 330.               | 1.4 | 52        |
| 1406 | Jet production in pp, pPb and PbPb collisions measured by ALICE. Journal of Physics: Conference Series, 2015, 636, 012010.   | 0.3 | 1         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1407 | A framework to create customised LHC analyses within CheckMATE. Computer Physics Communications, 2015, 196, 535-562.                                  | 3.0 | 83        |
| 1408 | ATLAS Run 1 searches for direct pair production of third-generation squarks at the Large Hadron Collider. European Physical Journal C, 2015, 75, 510. | 1.4 | 138       |
| 1409 | CheckMATE: Confronting your favourite new physics model with LHC data. Computer Physics Communications, 2015, 187, 227-265.                           | 3.0 | 225       |
| 1410 | The reconstruction of jets, missingET and boosted heavy particles with ATLAS in Run 2. EPJ Web of Conferences, 2016, 126, 04043.                      | 0.1 | 0         |
| 1411 | Measurements of Multi-boson production, Trilinear and Quartic Gauge Couplings with the ATLAS detector. EPJ Web of Conferences, 2016, 126, 04005.      | 0.1 | 0         |
| 1412 | Boosted Jet Tagging with Jet-Images and Deep Neural Networks. EPJ Web of Conferences, 2016, 127, 00009.   | 0.1 | 5         |
| 1413 | Reconstruction and identification of tau leptons in CMS. EPJ Web of Conferences, 2016, 126, 04041.  | 0.1 | 0         |
| 1414 | Extending the limits of Higgs effective theory. Physical Review D, 2016, 94, .  | 1.6 | 24        |
| 1415 | Identification of high-momentum top quarks, Higgs bosons, and W and Z bosons using boosted event shapes. Physical Review D, 2016, 94, .               | 1.6 | 9         |
| 1416 | Performance of $b$ -jet identification in the ATLAS experiment. Journal of Instrumentation, 2016, 11, P04008-P04008.                                  | 0.5 | 278       |
| 1417 | Aspects of perturbative QCD at a 100-TeV future hadron collider. Physical Review D, 2016, 94, .   | 1.6 | 21        |
| 1418 | Measurements of the production of a vector boson in association with jets in the ATLAS and CMS detectors. EPJ Web of Conferences, 2016, 120, 05003.   | 0.1 | 0         |
| 1419 | Studies of jet cross-sections and production properties with the ATLAS and CMS detectors. EPJ Web of Conferences, 2016, 120, 05005.                   | 0.1 | 0         |
| 1420 | Chasing new physics in stacks of soft tracks. Physical Review D, 2016, 94, .  | 1.6 | 5         |
| 1421 | Higgs Boson production in association with jets in gluon-gluon fusion. Journal of Physics: Conference Series, 2016, 762, 012069.                      | 0.3 | 0         |
| 1422 | Heavy bino dark matter and collider signals in the MSSM with vectorlike fourth-generation particles. Physical Review D, 2016, 94, .                   | 1.6 | 12        |
| 1423 | Determining the quantum numbers of simplified models in $t$ production at the LHC. Physical Review D, 2016, 94, .                                     | 1.6 | 14        |
| 1424 | Probing TeV scale top-philic resonances with boosted top-tagging at the high luminosity LHC. Physical Review D, 2016, 94, .                           | 1.6 | 17        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1425 | Searching for singlino-Higgsino dark matter in the NMSSM. <i>Physical Review D</i> , 2016, 94, .   | 1.6 | 17        |
| 1426 | NNLO QCD corrections to $t\bar{t}$ -channel single top quark production and decay. <i>Physical Review D</i> , 2016, 94, .  | 1.6 | 55        |
| 1427 | Upgrade of the ATLAS liquid argon calorimeters for the high-luminosity LHC. , 2016, , .  |     | 0         |
| 1428 | Electroweakino pair production at the LHC: NLO SUSY-QCD corrections and parton-shower effects. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.                                  | 1.6 | 9         |
| 1429 | Measuring anomalous $WW\gamma\hat{t}$ and $t\bar{t}\gamma\hat{t}$ couplings using top+ $\gamma\hat{t}$ production at the LHC. <i>European Physical Journal C</i> , 2016, 76, 1.        | 1.4 | 26        |
| 1430 | Stealth Supersymmetry simplified. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.   | 1.6 | 17        |
| 1431 | The lepton flavour violating Higgs decays at the HL-LHC and the ILC. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 24        |
| 1432 | Factorization for groomed jet substructure beyond the next-to-leading logarithm. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 103       |
| 1433 | Heavy-quark mass effects in Higgs plus jets production. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.   | 1.6 | 23        |
| 1434 | Constraints on $Z\hat{e}^2$ models from LHC dijet searches and implications for dark matter. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.                                    | 1.6 | 41        |
| 1435 | Hunting for dark matter coannihilation by mixing dijet resonances and missing transverse energy. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.                                | 1.6 | 12        |
| 1436 | Angular observables for spin discrimination in boosted diboson final states. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 1         |
| 1437 | Traces of a triboson resonance. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.   | 1.6 | 5         |
| 1438 | Stop searches in flavourful supersymmetry. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 2         |
| 1439 | Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{\mathrm{N}}}=2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. | 1.6 | 18        |
| 1440 | WIMP dark matter in a well-tempered regime – A case study on singlet-doublets fermionic WIMP. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.                                   | 1.6 | 50        |
| 1441 | Off-shell top quarks with one jet at the LHC: a comprehensive analysis at NLO QCD. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 32        |
| 1442 | Study of hard double-parton scattering in four-jet events in pp collisions at $\sqrt{s}=7$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.       | 1.6 | 30        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1443 | Search for the Standard Model Higgs boson produced by vector-boson fusion and decaying to bottom quarks in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 10        |
| 1444 | Factorization for jet radius logarithms in jet mass spectra at the LHC. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 22        |
| 1445 | Summing threshold logs in a parton shower. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 19        |
| 1446 | A comprehensive approach to dark matter studies: exploration of simplified top-philic models. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 51        |
| 1447 | Exposing the dead cone effect with jet substructure techniques. Physical Review D, 2016, 94, .  | 1.6 | 18        |
| 1448 | $W$ -boson plus jet differential distributions at NNLO in QCD. Physical Review D, 2016, 94, .   | 1.6 | 59        |
| 1449 | A mass reconstruction technique for a heavy resonance decaying to $\bar{l}, l, \tilde{\nu}$ . Chinese Physics C, 2016, 40, 113003.  | 1.5 | 3         |
| 1450 | Jets In Heavy Ion Collisions with CMS. Journal of Physics: Conference Series, 2016, 736, 012004.  | 0.3 | 0         |
| 1451 | Inclusive production of $\bar{b}$ plus a recoil for the LHC Run-II. Europhysics Letters, 2016, 115, 11002.  | 0.7 | 0         |
| 1452 | Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at STAR. International Journal of Modern Physics Conference Series, 2016, 40, 1660019.   | 0.7 | 0         |
| 1453 | Gluon Polarization in Longitudinally Polarized pp Collisions at STAR. International Journal of Modern Physics Conference Series, 2016, 40, 1660021.   | 0.7 | 1         |
| 1454 | Analytic boosted boson discrimination. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 76        |
| 1455 | Mono- $W$ dark matter signals at the LHC: simplified model analysis. Journal of Cosmology and Astroparticle Physics, 2016, 2016, 051-051.   | 1.9 | 41        |
| 1456 | Fragmentation of a jet with small radius. Physical Review D, 2016, 94, .  | 1.6 | 51        |
| 1457 | Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.  | 1.4 | 55        |
| 1458 | Search for bottom squark pair production in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 547.  | 1.4 | 37        |
| 1459 | Search for minimal supersymmetric standard model Higgs Bosons $H/\AA$ and for a $Z^{\prime}$ boson in the $\text{au au}$ $\bar{l}, l$ , final state produced in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 585. | 1.4 | 51        |
| 1460 | Measurement of the $\overline{b}b$ $\hat{b}$ dijet cross section in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 670.  | 1.4 | 12        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1461 | The performance of the jet trigger for the ATLAS detector during 2011 data taking. European Physical Journal C, 2016, 76, 526.  | 1.4 | 21        |
| 1462 | Search for new phenomena in different-flavour high-mass dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 541.  | 1.4 | 23        |
| 1463 | Search for the Higgs boson produced in association with a W boson and decaying to four b-quarks via two spin-zero particles in pp collisions at 13 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 605.                             | 1.4 | 24        |
| 1464 | Measurement of the $\sigma(\text{W}^+\text{W}^-)$ cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.   | 1.4 | 74        |
| 1465 | Measurement of forward W and Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 16        |
| 1466 | Muon reconstruction performance of the ATLAS detector in proton-proton collision data at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 292.   | 1.4 | 453       |
| 1467 | Measurement of total and differential $W + W^*$ production cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector and limits on anomalous triple-gauge-boson couplings. Journal of High Energy Physics, 2016, 2016, . | 1.6 | 47        |
| 1468 | 750 GeV diphoton resonance in a vector-like extension of Hill model at a 100 TeV hadron collider. International Journal of Modern Physics A, 2016, 31, 1650145.   | 0.5 | 3         |
| 1469 | Jet flavor classification in high-energy physics with deep neural networks. Physical Review D, 2016, 94, .  | 1.6 | 99        |
| 1470 | Search for gluinos in events with an isolated lepton, jets and missing transverse momentum at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.  | 1.4 | 31        |
| 1471 | LHC forward physics. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 110201.  | 1.4 | 99        |
| 1472 | Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 17        |
| 1473 | Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, .   | 1.6 | 47        |
| 1474 | Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 5         |
| 1475 | Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV. Physical Review D, 2016, 94, .  | 1.6 | 5         |
| 1476 | Searches for $R$ -parity-violating supersymmetry in $pp \rightarrow p\bar{p} + \text{jet} + \text{jet} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 565.                | 1.6 | 9         |
| 1477 | Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, .   | 1.6 | 24        |
| 1478 | Image Processing, Computer Vision, and Deep Learning: new approaches to the analysis and physics interpretation of LHC events. Journal of Physics: Conference Series, 2016, 762, 012035.  | 0.3 | 15        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1479 | Search for new phenomena in final states with an energetic jet and large missing transverse momentum in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Physical Review D, 2016, 94, . | 1.6 | 137       |
| 1480 | Search for a high-mass Higgs boson decaying to a W boson pair in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.                        | 1.6 | 71        |
| 1481 | Search for flavour-changing neutral current top-quark decays to $qZ$ in $pp$ collision data collected with the ATLAS detector at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 12.       | 1.4 | 39        |
| 1482 | Measurement of the charge asymmetry in top-quark pair production in the lepton-plus-jets final state in $pp$ collision data at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 87.         | 1.4 | 39        |
| 1483 | Observability of Charged Higgs Contribution in t-channel Single Top at LHC. International Journal of Theoretical Physics, 2016, 55, 2405-2416.  | 0.5 | 1         |
| 1484 | Search for direct top squark pair production in final states with two tau leptons in $pp$ collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 81.        | 1.4 | 10        |
| 1485 | Search for charged Higgs bosons in the $H \rightarrow tb$ decay channel in $pp$ collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.             | 1.6 | 43        |
| 1486 | Measurement of transverse momentum relative to dijet systems in PbPb and $pp$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.                                | 1.6 | 31        |
| 1487 | Search for anomalous single top quark production in association with a photon in $pp$ collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.                                | 1.6 | 27        |
| 1488 | Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.         | 1.6 | 7         |
| 1489 | Search for the Higgs boson in $VH(bb)$ channel using the ATLAS detector. Nuclear and Particle Physics Proceedings, 2016, 273-275, 813-818.  | 0.2 | 0         |
| 1490 | LHC searches for exotic new particles. Progress in Particle and Nuclear Physics, 2016, 90, 156-200.   | 5.6 | 5         |
| 1491 | Search for supersymmetry in a final state containing two photons and missing transverse momentum in $pp$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 517.               | 1.4 | 24        |
| 1492 | Search for resonances in diphoton events at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 70        |
| 1493 | Jet production and $\hat{t}\pm S$ measurements at CMS. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1967-1972.  | 0.2 | 0         |
| 1494 | Measurement of the charged-hadron spectra and nuclear modification factor in lead-lead collisions with the ATLAS detector. Nuclear and Particle Physics Proceedings, 2016, 276-278, 317-320.        | 0.2 | 0         |
| 1495 | Effective theory of WIMP dark matter supplemented by simplified models: Singlet-like Majorana fermion case. Physical Review D, 2016, 94, .  | 1.6 | 58        |
| 1496 | Search for top squarks in final states with one isolated lepton, jets, and missing transverse momentum in $pp$ collisions with the ATLAS detector. Physical Review D, 2016, 94, .                   | 1.6 | 43        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 1497 | Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 442.  | 1.4  | 43        |
| 1498 | Performance and optimization of support vector machines in high-energy physics classification problems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 838, 137-146. | 0.7  | 8         |
| 1499 | Precise QCD Predictions for the Production of a $Z$ Boson in Association with a Hadronic Jet. Physical Review Letters, 2016, 117, 022001.  | 2.9  | 140       |
| 1500 | Physics opportunities of a 100 TeV proton-proton collider. Physics Reports, 2016, 652, 1-49. LHC constraints and prospects for $S_1$ scalar leptoquark explaining the $B \rightarrow \hat{A}^* \hat{A}^*$  | 10.3 | 170       |
| 1501 | $B \rightarrow \hat{A}^* \hat{A}^*$  |      |           |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1515 | Measurement of the differential cross-section of highly boosted top quarks as a function of their transverse momentum in $\sqrt{s}=8\text{ TeV}$ proton-proton collisions using the ATLAS detector. Physical Review D, 2016, 93, . | 1.6 | 34        |
| 1516 | Improved bounds on the heavy neutrino productions at the LHC. Physical Review D, 2016, 93, .   | 1.6 | 67        |
| 1517 | Single top squark production as a probe of natural supersymmetry at the LHC. Physical Review D, 2016, 93, .  | 1.6 | 18        |
| 1518 | Pair production of scalar leptoquarks at the LHC to NLO parton shower accuracy. Physical Review D, 2016, 93, .   | 1.6 | 53        |
| 1519 | Search for the electroweak production of supersymmetric particles in $\sqrt{s}=8\text{ TeV}$ proton-proton collisions with the ATLAS detector. Physical Review D, 2016, 93, .  | 1.6 | 53        |
| 1520 | Measurements of $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ with the ATLAS detector. Physical Review D, 2016, 93, .   | 1.6 | 29        |
| 1521 | Measurements of $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ with the ATLAS detector. Physical Review D, 2016, 93, .   | 1.6 | 30        |
| 1522 | New observables for multiple-parton interactions measurements using $\sqrt{s}=8\text{ TeV}$ proton-proton collisions at the LHC. Physical Review D, 2016, 93, .  | 1.6 | 7         |
| 1523 | Prospects for Higgs- and $Z$ -resonant neutralino dark matter. Physical Review D, 2016, 93, .  | 1.6 | 28        |
| 1524 | Role of the $\hat{N}^{\text{TM}}$ in the natural NMSSM for the LHC. Physical Review D, 2016, 93, .   | 1.6 | 8         |
| 1525 | Towards the final word on neutralino dark matter. Physical Review D, 2016, 93, .   | 1.6 | 59        |
| 1526 | Direct probe of the intrinsic charm content of the proton. Physical Review D, 2016, 93, .  | 1.6 | 22        |
| 1527 | New avenues to heavy right-handed neutrinos with pair production at hadronic colliders. Physical Review D, 2016, 93, .   | 1.6 | 32        |
| 1528 | Measurement of the top quark mass using charged particles in $\sqrt{s}=8\text{ TeV}$ proton-proton collisions at the ATLAS detector. Physical Review D, 2016, 93, .  | 1.6 | 13        |
| 1529 | Search for supersymmetry in $\sqrt{s}=8\text{ TeV}$ proton-proton collisions at the ATLAS detector. Physical Review D, 2016, 93, .   | 1.6 | 11        |
| 1530 | Resummation prediction on gauge boson pair production with a jet veto. Physical Review D, 2016, 93, .  | 1.6 | 6         |
| 1531 | Determination of the $W$ polarization fractions in $\sqrt{s}=8\text{ TeV}$ proton-proton collisions using a deep machine learning technique. Physical Review D, 2016, 93, .  | 1.6 | 26        |
| 1532 | Di-Higgs decay of stoponium at a future photon-photon collider. Physical Review D, 2016, 93, .   | 1.6 | 1         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1533 | Search for pair-produced vectorlike $B$ quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 93, .  | 1.6 | 41        |
| 1534 | Access to photon fragmentation functions in hadronic jet production. Physical Review D, 2016, 93, .  | 1.6 | 9         |
| 1535 | Top Quark Pair Production in Association with a Jet with Next-to-Leading-Order QCD Off-Shell Effects at the Large Hadron Collider. Physical Review Letters, 2016, 116, 052003.         | 2.9 | 39        |
| 1536 | Boosting the Direct $CP$ Measurement of the Higgs-Top Coupling. Physical Review Letters, 2016, 116, 091801.  | 2.9 | 66        |
| 1537 | Centrality-Dependent Modification of Jet-Production Rates in Deuteron-Gold Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 116, 122301.                            | 2.9 | 48        |
| 1538 | $Z$ -Boson Production in Association with a Jet at Next-To-Next-To-Leading Order in Perturbative QCD. Physical Review Letters, 2016, 116, 152001.                                      | 2.9 | 158       |
| 1539 | Evolution of the Jet Opening Angle Distribution in Holographic Plasma. Physical Review Letters, 2016, 116, 211603.   | 2.9 | 37        |
| 1540 | Proposed Inclusive Dark Photon Search at LHCb. Physical Review Letters, 2016, 116, 251803.   | 2.9 | 120       |
| 1541 | Search for resonant $t\bar{t}$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV in the helicity-basis at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 116, 251803. | 1.6 | 61        |
| 1542 | Measurement of the charge asymmetry in top quark pair production in $pp$ collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. Physical Review D, 2016, 93, .                    | 1.6 | 11        |
| 1543 | Leptonic $W$ boson asymmetry in association with jets at LHCb and parton distribution function constraints at large $x$ . Physical Review D, 2016, 93, .                               | 1.6 | 4         |
| 1544 | Singular behavior of jet substructure observables. Physical Review D, 2016, 93, .  | 1.6 | 5         |
| 1545 | Signature of the $\tilde{\chi}^0_3$ and dijet production mediated by an excited quark with QCD next-to-leading order accuracy at the LHC. Physical Review D, 2016, 93, .               | 1.6 | 1         |
| 1546 | Looking for lepton flavor violation in supersymmetry at the LHC. Physical Review D, 2016, 93, .  | 1.6 | 1         |
| 1547 | Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 93, .                               | 1.6 | 43        |
| 1548 | Constraining the strength and structure of dark production at the LHC: The associated top-pair channel. Physical Review D, 2016, 93, .   | 1.6 | 27        |
| 1549 | Measurement of the charge asymmetry in top quark pair production in $pp$ collisions at $\sqrt{s} = 13$ TeV using a template method. Physical Review D, 2016, 93, .                     | 1.6 | 24        |
| 1550 | Automatic predictions in the Georgi-Machacek model at next-to-leading order accuracy. Physical Review D, 2016, 93, .   | 1.6 | 26        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1551 | Search for dark matter and unparticles produced in association with a $Z$ boson in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, .                           | 1.6 | 24        |
| 1552 | Distinguishing $b$ -quark and gluon jets with a tagged hadron. Physical Review D, 2016, 93, .  | 1.6 | 12        |
| 1553 | Constraints on nonuniversal gaugino mass scenario using the latest LHC data. Physical Review D, 2016, 93, .  | 1.6 | 8         |
| 1554 | Measurement of the top quark mass using proton-proton data at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, .  | 1.6 | 106       |
| 1555 | Search for dark matter produced in association with a Higgs boson decaying to two bottom quarks in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, .                      | 1.6 | 16        |
| 1556 | Measurements of $WZ$ cross sections in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, .  | 1.6 | 53        |
| 1557 | Search for the standard model Higgs boson produced in association with a vector boson and decaying into a tau pair in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 93, . | 1.6 | 5         |
| 1558 | Jet substructure classification in high-energy physics with deep neural networks. Physical Review D, 2016, 93, .   | 1.6 | 144       |
| 1559 | Measurements of $Z\hat{\tau}\tau$ and $Z\hat{\tau}\tau$ production in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS experiment. Physical Review D, 2016, 93, .   | 1.6 | 39        |
| 1560 | Measurements of $Z\hat{\tau}\tau$ production in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS experiment. Physical Review D, 2016, 93, .   | 1.6 | 39        |
| 1561 | Diphoton excess at $750\text{ GeV}$ and LHC constraints in models with vectorlike particles. Physical Review D, 2016, 93, .  | 1.6 | 11        |
| 1562 | Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS Experiment. Physical Review Letters, 2016, 116, 052002, .                               | 2.9 | 34        |
| 1563 | Reconstruction of hadronic decay products of tau leptons with the ATLAS experiment. European Physical Journal C, 2016, 76, 295, .  | 1.4 | 50        |
| 1564 | Models of a $750\text{ GeV}$ quarkonium and the LHC excesses. Physical Review D, 2016, 94, .   | 1.6 | 1         |
| 1565 | NLO production of $WZ$ and $WZ$ vector bosons via hadron collisions in the frameworks of Kimber-Martin-Ryskin and Martin-Ryskin-Watt unintegrated parton distribution fun. Physical Review D, 2016, 94, .                | 1.6 | 16        |
| 1566 | Search for anomalous couplings via single top quark production in association with a photon at LHC. European Physical Journal C, 2016, 76, 1, .  | 1.4 | 12        |
| 1567 | Performance of pile-up mitigation techniques for jets in $pp$ collisions at $\sqrt{s}=8\text{ TeV}$ . European Physical Journal C, 2016, 76, 581, .  | 1.4 | 298       |
| 1568 | Measurement of the Cross Section of Four-Jet Events. Springer Theses, 2016, , 103-168, .   | 0.0 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1569 | Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8\text{ TeV}$ . European Physical Journal C, 2016, 76, 536.  | 1.4 | 16        |
| 1570 | Search for dark matter particles in proton-proton collisions at $s = 8\text{ TeV}$ using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 4         |
| 1571 | Improved jet substructure methods: Y-splitter and variants with grooming. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 22        |
| 1572 | Measurement of the charged-particle multiplicity inside jets from $\sqrt{s}=8\text{ TeV}$ collisions with the ATLAS detector. European Physical Journal C, 2016, 76, 322.   | 1.4 | 51        |
| 1573 | Merging $W W$ and $W W + \text{jet}$ with Minlo. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 16        |
| 1574 | Search for $s$ channel single top quark production in pp collisions at $s = 7\text{ TeV}$ and $8\text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 14        |
| 1575 | Measurement of jet activity in top quark events using the $e\bar{\nu}_e$ final state with two b-tagged jets in pp collisions at $s = 8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.                | 1.6 | 4         |
| 1576 | Singlet-catalyzed electroweak phase transitions in the $100\text{ TeV}$ frontier. Physical Review D, 2016, 94, .  | 1.6 | 63        |
| 1577 | Prospects for natural SUSY. Physical Review D, 2016, 94, .  | 1.6 | 12        |
| 1578 | Measurement of fiducial differential cross sections of gluon-fusion production of Higgs bosons decaying to $WW \rightarrow e^+e^-$ with the ATLAS detector at $s = 8\text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.         | 1.6 | 15        |
| 1579 | Measurements of the charge asymmetry in top-quark pair production in the dilepton final state at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. Physical Review D, 2016, 94, .  | 1.6 | 4         |
| 1580 | Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}}=5.02\text{ TeV}$ . European Physical Journal C, 2016, 76, 372.  | 1.4 | 29        |
| 1581 | Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $s = 7\text{ TeV}$ and $8\text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1. | 1.6 | 19        |
| 1582 | Search for new phenomena in events with a photon and missing transverse momentum in pp collisions at $s = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 20        |
| 1583 | A search for top squarks with R-parity-violating decays to all-hadronic final states with the ATLAS detector in $s = 8\text{ TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.                               | 1.6 | 14        |
| 1584 | Identification of high transverse momentum top quarks in pp collisions at $s = 8\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 17        |
| 1585 | Measurement of the $t\bar{t}\bar{A}^-$ production cross section in the $e\bar{\nu}_e$ channel in proton-proton collisions at $s = 7\text{ TeV}$ and $8\text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.                       | 1.6 | 41        |
| 1586 | A search for an excited muon decaying to a muon and two jets in pp collisions at $\sqrt{s}=8\text{ TeV}$ with the ATLAS detector. New Journal of Physics, 2016, 18, 073021.   | 1.2 | 2         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1587 | Beam-induced and cosmic-ray backgrounds observed in the ATLAS detector during the LHC 2012 proton-proton running period. <i>Journal of Instrumentation</i> , 2016, 11, P05013-P05013.   | 0.5 | 11        |
| 1588 | Measurement of top quark pair differential cross sections in the dilepton channel in pp collisions at $\sqrt{s}=7$ and $8\text{ TeV}$ with ATLAS. <i>Physical Review D</i> , 2016, 94, .  | 1.6 | 22        |
| 1589 | Inclusive jet spectrum for small-radius jets. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 60        |
| 1590 | Fuzzy jets. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 9         |
| 1591 | Search for new physics with the $M_{T2}$ variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.   | 1.6 | 17        |
| 1592 | Heavy Higgs decay to $t\bar{t}$ and constraints on a $750\text{ GeV}$ pseudoscalar. <i>Physical Review D</i> , 2016, 94, .  | 1.6 | 1         |
| 1593 | Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.   | 1.6 | 13        |
| 1594 | Boosting invisible searches via ZH: From the Higgs boson to dark matter simplified models. <i>Physical Review D</i> , 2016, 94, .   | 1.6 | 10        |
| 1595 | Monotop signature from the supersymmetric $t\bar{t}H$ channel. <i>Physical Review D</i> , 2016, 94, .   | 1.6 | 8         |
| 1596 | Inclusive jet cross section and strong coupling constant measurements at CMS. <i>AIP Conference Proceedings</i> , 2016, , .   | 0.3 | 0         |
| 1597 | Extending the reach of compressed gluinos at the LHC. <i>Physical Review D</i> , 2016, 94, .  | 1.6 | 2         |
| 1598 | Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $\sqrt{s}=8, \sqrt{s}=7$ and $8\text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2016, 76, 538. | 1.4 | 115       |
| 1599 | Search for pair production of gluinos decaying via stop and sbottom in events with $t\bar{t}$ -jets and large missing transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2016, 94, .     | 1.6 | 30        |
| 1600 | Pseudoscalar searches with dileptonic tops and jet substructure. <i>Physical Review D</i> , 2016, 94, .   | 1.6 | 12        |
| 1601 | Jet-images "deep learning edition. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.   | 1.6 | 222       |
| 1602 | Search for pair production of Higgs bosons in the $t\bar{t}b\bar{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2016, 94, .  | 1.6 | 38        |
| 1603 | Characterising the 750 GeV diphoton excess. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 14        |
| 1604 | Signatures of sneutrino dark matter in an extension of the CMSSM. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.  | 1.6 | 23        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1605 | Search for supersymmetry in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 14        |
| 1606 | NLO QCD predictions for off-shell $t \bar{t} \rightarrow t \bar{t} H$ and $t \bar{t} \rightarrow t \bar{t} H$ production and decay at a linear collider. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 17        |
| 1607 | $H \rightarrow \tau^+ \tau^-$ , $\tau^+ \tau^- \tau^+$ as a probe of the $\tau$ , magnetic dipole moment. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 10        |
| 1608 | A new tagger for hadronically decaying heavy particles at the LHC. European Physical Journal C, 2016, 76, 1.   | 1.4 | 15        |
| 1609 | Jet activity as a probe of high-mass resonance production. European Physical Journal C, 2016, 76, 1.   | 1.4 | 5         |
| 1610 | Search for squarks and gluinos in events with hadronically decaying tau leptons, jets and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ recorded with the ATLAS detector. European Physical Journal C, 2016, 76, 683. | 1.4 | 11        |
| 1611 | Top quark mass determination from the energy peaks of b-jets and B-hadrons at NLO QCD. European Physical Journal C, 2016, 76, 1.   | 1.4 | 14        |
| 1612 | Generation of central exclusive final states. European Physical Journal C, 2016, 76, 1.  | 1.4 | 5         |
| 1613 | Simulating V+jet processes in heavy ion collisions with JEWEL. European Physical Journal C, 2016, 76, 1.   | 1.4 | 27        |
| 1614 | An NLO+PS generator for $\tau^+ \tau^- t \bar{t}$ and $W t$ production and decay including non-resonant and interference effects. European Physical Journal C, 2016, 76, 1.  | 1.4 | 80        |
| 1615 | Probing diffractive production of gauge bosons at forward rapidities. European Physical Journal C, 2016, 76, 1.  | 1.4 | 5         |
| 1616 | Production of massless bottom jets in pp, and pp collisions at next-to-leading order of QCD. International Journal of Modern Physics A, 2016, 31, 1650098.   | 0.5 | 0         |
| 1617 | Searches for heavy diboson resonances in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 25        |
| 1618 | Second stop and sbottom searches with a stealth stop. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 11        |
| 1619 | Confronting SUSY models with LHC data via electroweakino production. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 10        |
| 1620 | Little Higgs dark matter after PandaX-II/LUX-2016 and LHC Run-1. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 4         |
| 1621 | New angles on energy correlation functions. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 97        |
| 1622 | Origins of the di-jet asymmetry in heavy-ion collisions. European Physical Journal C, 2016, 76, 1.   | 1.4 | 73        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1623 | Probing collective effects in hadronisation with the extremes of the underlying event. European Physical Journal C, 2016, 76, 1.  | 1.4 | 25        |
| 1624 | Review of searches for rare processes and physics beyond the Standard Model at HERA. European Physical Journal C, 2016, 76, 1.  | 1.4 | 8         |
| 1625 | Pinning down electroweak dipole operators of the top quark. European Physical Journal C, 2016, 76, 1.   | 1.4 | 44        |
| 1626 | Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.  | 1.4 | 18        |
| 1627 | Searching for supersymmetry scalelessly. European Physical Journal C, 2016, 76, 1.  | 1.4 | 5         |
| 1628 | Phenomenological signatures of additional scalar bosons at the LHC. European Physical Journal C, 2016, 76, 1.   | 1.4 | 70        |
| 1629 | One jet to rule them all: monojet constraints and invisible decays of a 750 GeV diphoton resonance. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 26        |
| 1630 | Thinking outside the ROCs: Designing Decorrelated Taggers (DDT) for jet substructure. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 75        |
| 1631 | A simple merging algorithm for jet angular correlation studies. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 1         |
| 1632 | Search for the Standard Model Higgs boson decaying into $b\bar{b}$ produced in association with top quarks decaying hadronically in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1. | 1.6 | 21        |
| 1633 | NNLOPS accurate associated HW production. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 27        |
| 1634 | Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 20        |
| 1635 | $W + W \rightarrow \gamma\gamma$ production at the LHC: fiducial cross sections and distributions in NNLO QCD. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 69        |
| 1636 | Measurement of the CP-violating phase $\arg(\lambda_{cb})$ and the $B_s - \bar{B}_s$ meson decay width difference with $B_s \rightarrow \mu^+ \mu^-$ decays in ATLAS. Journal of High Energy Physics, 2016, 2016, 1.                            | 1.6 | 13        |
| 1637 | NLO electroweak corrections to off-shell top-antitop production with leptonic decays at the LHC. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 53        |
| 1638 | Differential Higgs boson pair production at next-to-next-to-leading order in QCD. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 76        |
| 1639 | Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 12        |
| 1640 | Implications of a high-mass diphoton resonance for heavy quark searches. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 19        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1641 | Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 6         |
| 1642 | Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \text{ext } \{\text{TeV}\}$ $s = 2.76 \text{ TeV}$ . European Physical Journal C, 2016, 76, 1.  | 1.4 | 26        |
| 1643 | Measurement of $\overline{\text{t}}\text{t}$ production with additional jet activity, including $\text{b}$ quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 379. | 1.4 | 34        |
| 1644 | Centrality dependence of charged jet production in $\text{Pb-Pb}$ collisions at $\sqrt{s_{\text{NN}}} s_{\text{NN}} = 5.02 \text{ TeV}$ . European Physical Journal C, 2016, 76, 271.  | 1.4 | 31        |
| 1645 | Search for squarks and gluinos in final states with jets and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2016, 76, 392.   | 1.4 | 73        |
| 1646 | Boosting Higgs pair production in the $\text{b}\bar{\text{b}}\text{b}\bar{\text{b}}$ final state with multivariate techniques. European Physical Journal C, 2016, 76, 386.   | 1.4 | 59        |
| 1647 | Phenomenology of the $Z$ boson plus jet process at NNLO. Physical Review D, 2016, 94, .  | 1.6 | 53        |
| 1648 | Fully automated precision predictions for heavy neutrino production mechanisms at hadron colliders. Physical Review D, 2016, 94, .   | 1.6 | 83        |
| 1649 | Investigating light NMSSM pseudoscalar states with boosted ditau tagging. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 22        |
| 1650 | Azimuthal Single-Spin Asymmetries of Charged Pions in Jets in $s = 200 \text{ GeV}$ $\text{p}\bar{\text{p}}$ Collisions at STAR. International Journal of Modern Physics Conference Series, 2016, 40, 1660040.   | 0.7 | 8         |
| 1651 | The Higgs portal above threshold. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 88        |
| 1652 | Testing the 2-TeV resonance with tripletons. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 26        |
| 1653 | Towards the understanding of jet shapes and cross sections in heavy ion collisions using soft-collinear effective theory. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 65        |
| 1654 | Status and prospects of the nMSSM after LHC Run-1. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 12        |
| 1655 | Observation of top quark pairs produced in association with a vector boson in pp collisions at $s = 8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 23        |
| 1656 | Phenomenological analysis of Higgs boson production through gluon fusion in association with jets. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 16        |
| 1657 | Bounding wide composite vector resonances at the LHC. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 17        |
| 1658 | The high-energy radiation pattern from BFKLex with double-log collinear contributions. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 13        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1659 | Associated production of a top-quark pair with vector bosons at NLO in QCD: impact on $t\bar{t}\hat{H}$ searches at the LHC. Journal of High Energy Physics, 2016, 2016, 1.                                  | 1.6 | 68        |
| 1660 | Search for $W\hat{e}^2\hat{t}^2$ in proton-proton collisions at $s = 8\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 3         |
| 1661 | Correlations between jets and charged particles in PbPb and pp collisions at $s_{NN}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 29        |
| 1662 | Long-lived, colour-triplet scalars from unnaturalness. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 8         |
| 1663 | SUSY Higgs mass and collider signals with a Hidden Valley. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 7         |
| 1664 | NLO QCD+EW predictions for $V + \text{jets}$ including off-shell vector-boson decays and multijet merging. Journal of High Energy Physics, 2016, 2016, 1-51.   | 1.6 | 55        |
| 1665 | Jet-vetoed Higgs cross section in gluon fusion at N <sup>3</sup> LO+NNLL with small-R resummation. Journal of High Energy Physics, 2016, 2016, 1-31.   | 1.6 | 40        |
| 1666 | A new method for indirect mass measurements using the integral charge asymmetry at the LHC. Journal of High Energy Physics, 2016, 2016, 1-85.  | 1.6 | 0         |
| 1667 | Extending the Minlo method. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 18        |
| 1668 | $Z0/\hat{t}^3 + \text{Jet}$ via electron decay mode at $s = \sqrt{s}=7$ TeV in CMS@LHC. Pramana - Journal of Physics, 2016, 86, 487-491.   | 0.9 | 0         |
| 1669 | Spin polarisation of $\text{star}{t}\gamma\gamma$ production at NLO+PS with GoSam interfaced to MadGraph5_aMC@NLO. European Physical Journal C, 2016, 76, 1.   | 1.4 | 5         |
| 1670 | Exotic decays of heavy B quarks. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 1         |
| 1671 | A revisit to a compressed supersymmetric spectrum with 125 GeV Higgs. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 21        |
| 1672 | Search for the production of an excited bottom quark decaying to $tW$ in proton-proton collisions at $s = 8\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.                                   | 1.6 | 5         |
| 1673 | Search for the production of single vector-like and excited quarks in the $Wt$ final state in pp collisions at $s = 8\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1. | 1.6 | 19        |
| 1674 | Hard diffraction with dynamic gap survival. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 28        |
| 1675 | Exploring the Higgs sector of the MRSSM with a light scalar. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 24        |
| 1676 | Hunting for neutral, long-lived exotica at the LHC using a missing transverse energy signature. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 1         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1677 | Search for strong gravity in multijet final states produced in pp collisions at $\sqrt{s}=13$ TeV using the ATLAS detector at the LHC. Journal of High Energy Physics, 2016, 2016, 1.                 | 1.6 | 15        |
| 1678 | Predictions for boson-jet observables and fragmentation function ratios from a hybrid strong/weak coupling model for jet quenching. Journal of High Energy Physics, 2016, 2016, 1.                    | 1.6 | 57        |
| 1679 | Search strategies for TeV scale fermionic top partners with charge 2/3. Journal of High Energy Physics, 2016, 2016, 1-51.   | 1.6 | 15        |
| 1680 | Resonant mono Higgs at the LHC. Journal of High Energy Physics, 2016, 2016, 1-20.   | 1.6 | 6         |
| 1681 | Heavy fermion bound states for diphoton excess at 750 GeV $\hat{e}^+$ collider and cosmological constraints. Journal of High Energy Physics, 2016, 2016, 1-18.  | 1.6 | 12        |
| 1682 | Jet shapes for boosted jet two-prong decays from first-principles. Journal of High Energy Physics, 2016, 2016, 1-50.  | 1.6 | 5         |
| 1683 | Less-simplified models of dark matter for direct detection and the LHC. Journal of High Energy Physics, 2016, 2016, 1-28.   | 1.6 | 14        |
| 1684 | Stop search in the compressed region via semileptonic decays. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 14        |
| 1685 | Techniques for the treatment of IR divergences in decay processes at NLO and application to the top-quark decay. European Physical Journal C, 2016, 76, 56.   | 1.4 | 23        |
| 1686 | Interpreting single jet measurements in Pb-Pb collisions at the LHC. European Physical Journal C, 2016, 76, 1.  | 1.4 | 50        |
| 1687 | Measurement of the $\overline{\sigma}(\text{t}\bar{\text{t}})$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128. | 1.4 | 41        |
| 1688 | Identification of boosted, hadronically decaying W bosons and comparisons with ATLAS data taken at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 154.                                      | 1.4 | 62        |
| 1689 | Probing lepton flavour violation via neutrinoless $\mu \rightarrow 3e$ decays with the ATLAS detector. European Physical Journal C, 2016, 76, 232.  | 1.4 | 19        |
| 1690 | A new method to distinguish hadronically decaying boosted Z bosons from W bosons using the ATLAS detector. European Physical Journal C, 2016, 76, 238.  | 1.4 | 9         |
| 1691 | Search for massive WH resonances decaying into the $\ell u \overline{\text{b}}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.  | 1.4 | 30        |
| 1692 | An analysis of the impact of LHC Run I proton-lead data on nuclear parton densities. European Physical Journal C, 2016, 76, 218.  | 1.4 | 29        |
| 1693 | Search for supersymmetry at $\sqrt{s}=13$ TeV in final states with jets and two same-sign leptons or three leptons with the ATLAS detector. European Physical Journal C, 2016, 76, 259.               | 1.4 | 72        |
| 1694 | Disambiguating seesaw models using invariant mass variables at hadron colliders. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 50        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1695 | Search for invisible decays of a Higgs boson using vector-boson fusion in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2016, 2016, 1.                                    | 1.6 | 49        |
| 1696 | Observability of s-channel heavy charged Higgs at LHC using top tagging technique. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 0         |
| 1697 | A study of multi-jet production in association with an electroweak vector boson. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 11        |
| 1698 | Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.                 | 1.6 | 16        |
| 1699 | Signatures of top flavour-changing dark matter. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 8         |
| 1700 | Revealing compressed stops using high-momentum recoils. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 29        |
| 1701 | Glino meets flavored naturalness. Journal of High Energy Physics, 2016, 2016, 1-30.  | 1.6 | 3         |
| 1702 | Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.   | 1.6 | 15        |
| 1703 | Probing top-antitop resonances with $t\bar{t}$ scattering at LHC14. Journal of High Energy Physics, 2016, 2016, 1-26.  | 1.6 | 2         |
| 1704 | Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm}$ jets and $e^{\pm}\frac{1}{4}\bar{\nu}_{\mu}^{\pm}$ jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1. | 1.6 | 35        |
| 1705 | Charged particle production in Pb-Pb and p-Pb collisions measured by the ATLAS detector. Journal of Physics: Conference Series, 2016, 668, 012078.   | 0.3 | 1         |
| 1706 | For a light stop, less is more when gluinos mediate. Modern Physics Letters A, 2016, 31, 1650052.  | 0.5 | 1         |
| 1707 | Searches for scalar leptoquarks in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 5.  | 1.4 | 109       |
| 1708 | Measurements of fiducial cross-sections for $t\bar{t}$ production with one or two additional b-jets in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. European Physical Journal C, 2016, 76, 11.          | 1.4 | 54        |
| 1709 | QCD and jets at hadron colliders. Progress in Particle and Nuclear Physics, 2016, 89, 1-55.  | 5.6 | 21        |
| 1710 | Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters. 2016. 116. 071801.   | 2.9 | 114       |
| 1711 | Search for an additional, heavy Higgs boson in the $H \rightarrow ZZ$ decay channel at $\sqrt{s} = 8$ TeV in pp collision data with the ATLAS detector. European Physical Journal C, 2016, 76, 45.                       | 1.4 | 197       |
| 1712 | Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 13.                                   | 1.4 | 62        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1713 | Combining LEP and LHC to bound the Higgs width. Nuclear Physics B, 2016, 902, 440-457.   | 0.9 | 6         |
| 1714 | Search for single top-quark production via flavour-changing neutral currents at 8 TeV with the ATLAS detector. European Physical Journal C, 2016, 76, 55.  | 1.4 | 43        |
| 1715 | Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2017, 118, 021802.  | 2.9 | 24        |
| 1716 | Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2017, 118, 021802.  | 1.6 | 8         |
| 1717 | Search for $\chi^0 \chi^{\pm}$ production in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2017, 95, .  | 1.6 | 12        |
| 1718 | Measurement of the $\sigma(\bar{t}t)$ and $\sigma(\bar{t}t + \text{jet})$ production cross sections in multilepton final states using 3.2 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 40. | 1.4 | 41        |
| 1719 | A measurement of the calorimeter response to single hadrons and determination of the jet energy scale uncertainty using LHC Run-1 pp-collision data with the ATLAS detector. European Physical Journal C, 2017, 77, 26.  | 1.4 | 29        |
| 1720 | Measurements of the $\sigma(\bar{t}t)$ production cross section in lepton+jet final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.  | 1.4 | 34        |
| 1721 | Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .   | 1.6 | 9         |
| 1722 | Next-to-Next-to Leading Order QCD Predictions for Single Jet Inclusive Production at the LHC. Physical Review Letters, 2017, 118, 072002.  | 2.9 | 114       |
| 1723 | Parton shower uncertainties in jet substructure analyses with deep neural networks. Physical Review D, 2017, 95, .   | 1.6 | 72        |
| 1724 | Measurement of the $\sigma(\bar{t}t)$ production cross section using events in the $e^+e^- \rightarrow t\bar{t} + \text{jet}$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.   | 1.4 | 40        |
| 1725 | Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 54        |
| 1726 | Measurement of the inclusive cross-sections of single top-quark and top-antiquark t-channel production in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 29        |
| 1727 | Search for electroweak production of charginos in final states with two $\tau$ , leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 11        |
| 1728 | Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 92.   | 1.4 | 16        |
| 1729 | Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.   | 1.4 | 37        |
| 1730 | 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 $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 220.                                | 1.4 | 11        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1731 | Measurement of the W boson polarisation in $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV in the lepton+ $\bar{A}$ jets channel with ATLAS. European Physical Journal C, 2017, 77, 264.  | 1.4 | 37        |
| 1732 | Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.  | 0.5 | 216       |
| 1733 | Stop search with acceptable fine-tuning in Susy models. AIP Conference Proceedings, 2017, , .  | 0.3 | 0         |
| 1734 | Reconstruction of the Higgs mass in events with Higgs bosons decaying into a pair of leptons using matrix element techniques. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 862, 54-84. | 0.7 | 12        |
| 1735 | Electron efficiency measurements with the ATLAS detector using 2012 LHC proton-proton collision data. European Physical Journal C, 2017, 77, 195.  | 1.4 | 87        |
| 1736 | Measurements of top-quark pair differential cross-sections in the $e^+e^-$ channel in pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 292.   | 1.4 | 27        |
| 1737 | A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\cancel{E}_T$ variable. European Physical Journal C, 2017, 77, 294.  | 1.4 | 29        |
| 1738 | Complementarity of resonant scalar, vector-like quark and superpartner searches in elucidating new phenomena. International Journal of Modern Physics A, 2017, 32, 1750032.  | 0.5 | 1         |
| 1739 | Performance of algorithms that reconstruct missing transverse momentum in $\sqrt{s} = 8$ TeV proton-proton collisions in the ATLAS detector. European Physical Journal C, 2017, 77, 241.   | 1.4 | 61        |
| 1740 | The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.   | 0.5 | 307       |
| 1741 | Top-quark physics: Status and prospects. Progress in Particle and Nuclear Physics, 2017, 95, 48-97.  | 5.6 | 21        |
| 1743 | Mathematical properties of numerical inversion for jet calibrations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 858, 1-11.   | 0.7 | 6         |
| 1744 | Sparticles in motion: Analyzing compressed SUSY scenarios with a new method of event reconstruction. Physical Review D, 2017, 95, .  | 1.6 | 23        |
| 1745 | Probing the MSSM explanation of the muon g-2 anomaly in dark matter experiments and at a 100 TeV collider. Physical Review D, 2017, 95, .  | 1.6 | 24        |
| 1746 | Constraining Higgs boson effective couplings at electron-positron colliders. Physical Review D, 2017, 95, .  | 1.6 | 27        |
| 1747 | Search for triboson $W^+W^+W^-$ production in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2017, 77, 141.   | 1.4 | 25        |
| 1748 | Photon initiated single top quark production via flavor-changing neutral currents at the LHC. Physical Review D, 2017, 95, .   | 1.6 | 10        |
| 1749 | Jet Reconstruction and Performance. Springer Theses, 2017, , 71-126.   | 0.0 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1750 | Uncovering new strong dynamics via topological interactions at the 100 TeV collider. Physical Review D, 2017, 96, .   | 1.6 | 3         |
| 1751 | Topological cell clustering in the ATLAS calorimeters and its performance in LHC Run 1. European Physical Journal C, 2017, 77, 490.   | 1.4 | 325       |
| 1752 | 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. European Physical Journal C, 2017, 77, 531.  | 1.4 | 56        |
| 1753 | Probing the Hardest Branching within Jets in Heavy-Ion Collisions. Physical Review Letters, 2017, 119, 112301.  | 2.9 | 63        |
| 1754 | Measurements of electroweak $W_{jj}$ production and constraints on anomalous gauge couplings with the ATLAS detector. European Physical Journal C, 2017, 77, 474.   | 1.4 | 26        |
| 1755 | Jet substructure studies with CMS open data. Physical Review D, 2017, 96, .   | 1.6 | 40        |
| 1756 | Search for Supersymmetry in $pp \rightarrow p p \sqrt{s} \rightarrow W Z + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 13$ TeV in the Single Lepton Final State Using the Sum of Masses of Large-Radii Jets. Physical Review Letters, 2017, 119, 132003.   | 2.9 | 15        |
| 1757 | Search for anomalous electroweak production of $W W$ boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 96, .  | 1.6 | 19        |
| 1758 | Search for bottom squarks in the baryon-number violating MSSM. Physical Review D, 2017, 96, .   | 1.6 | 7         |
| 1759 | Searching for the heavy charged custodial fiveplet Higgs boson in the Georgi-Machacek model at the International Linear Collider. Physical Review D, 2017, 95, .  | 1.6 | 5         |
| 1760 | NLO QCD+EW predictions for HV and HV +jet production including parton-shower effects. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 39        |
| 1761 | Exposing the QCD Splitting Function with CMS Open Data. Physical Review Letters, 2017, 119, 132003.   | 2.9 | 62        |
| 1762 | Exploring the warped bulk. Pramana - Journal of Physics, 2017, 89, 1.   | 0.9 | 1         |
| 1763 | Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 17        |
| 1764 | Exploring collider signatures of the inert Higgs doublet model. Physical Review D, 2017, 95, .  | 1.6 | 50        |
| 1765 | Search for anomalous electroweak production of $W W$ stretchy="false"/>></mml:mo><mml:mi>W</mml:mi><mml:mi>Z</mml:mi></mml:mrow></mml:math> in association with a high-mass dijet system in $pp \rightarrow W W Z + \text{jet} + \text{jet}$ production at the Large Hadron Collider in next-to-leading-order QCD. Physical Review D, 2017, 95, . | 1.6 | 28        |
| 1766 | $W+W\tilde{a}^*+3$ -jet production at the Large Hadron Collider in next-to-leading-order QCD. Physical Review D, 2017, 95, .  | 1.6 | 3         |
| 1767 | $Z Z$ production in gluon fusion at NLO matched to parton shower. Physical Review D, 2017, 95, .  | 1.6 | 27        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1768 | Invisible decays in Higgs boson pair production. Physical Review D, 2017, 95, .<br><a href="#">Search for single production of the heavy vectorlike</a>  | 1.6 | 16        |
| 1769 | quark with $T$ and $t$ and $h$   | 1.6 | 12        |
| 1770 | Probing the two-Higgs-doublet wedge region with charged Higgs boson decays to boosted jets. Physical Review D, 2017, 95, .   | 1.6 | 2         |
| 1771 | Dissecting new physics models through kinematic edges. Physical Review D, 2017, 95, .  | 1.6 | 2         |
| 1772 | Simulating $b$ -associated production of $Z$ and Higgs bosons with the Sherpa event generator. Physical Review D, 2017, 95, .  | 1.6 | 14        |
| 1773 | Matrix element method at next-to-leading order for arbitrary jet algorithms. Physical Review D, 2017, 95, .  | 1.6 | 4         |
| 1774 | Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.                    | 1.4 | 52        |
| 1775 | Measurement of the jet mass in highly boosted $\overline{t}t$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.   | 1.4 | 23        |
| 1776 | Jet reconstruction and performance using particle flow with the ATLAS Detector. European Physical Journal C, 2017, 77, 466.<br><a href="#">Search for supersymmetry in the all hadronic final state using top quark tagging in</a> | 1.4 | 145       |
| 1777 | $p$ collisions at $\sqrt{s} = 8$ TeV   | 1.6 | 10        |
| 1778 | Measurement of the top quark mass in the dileptonic $t\bar{t}$ decay channel using the mass observables $\hat{A}$  | 1.6 | 12        |
| 1779 | Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. Physical Review D, 2017, 96, .   | 1.6 | 61        |
| 1780 | Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 141802.                                | 2.9 | 54        |
| 1781 | Measurement of $W$ vector-boson scattering and limits on anomalous quartic gauge couplings with the ATLAS detector. Physical Review D, 2017, 96, .   | 1.6 | 23        |
| 1782 | Measurement of the $t\bar{t}$ production cross section in the $t\bar{t} + \text{jets}$ final state in pp collisions at $\sqrt{s} = 8$ TeV using the ATLAS detector. Physical Review D, 2017, 95, .                                 | 1.6 | 1         |
| 1783 | Using hadron-in-jet data in a global analysis of $D$ fragmentation functions. Physical Review D, 2017, 96, .   | 1.6 | 33        |
| 1784 | Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2017, 96, .   | 1.1 | 30        |
| 1785 | Deep-learning top taggers or the end of QCD?. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 156       |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1786 | How much information is in a jet?. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 77        |
| 1787 | Simplified models for dark matter face their consistent completions. Physical Review D, 2017, 95, .   | 1.6 | 49        |
| 1788 | Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, .                                      | 1.1 | 44        |
| 1789 | Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 111802.                           | 2.9 | 35        |
| 1790 | Machine learning techniques in searches for $t\bar{t}h$ in the $h \rightarrow b\bar{b}$ , decay channel. Journal of Instrumentation, 2017, 12, P04014-P04014.                                     | 0.5 | 11        |
| 1791 | Probing the nature of the Higgs coupling in $t\bar{t}h$ events at the LHC. Physical Review D, 2017, 96, .   | 1.6 | 26        |
| 1792 | Top quark FCNC couplings at future circular hadron electron colliders. Physical Review D, 2017, 96, .   | 1.6 | 12        |
| 1793 | Double-longitudinal spin asymmetry in single-inclusive lepton scattering at NLO. Physical Review D, 2017, 96, .   | 1.6 | 9         |
| 1794 | Large Electroweak Corrections to Vector-Boson Scattering at the Large Hadron Collider. Physical Review Letters, 2017, 118, 261801.  | 2.9 | 49        |
| 1795 | Higgs pair production in vector-boson fusion at the LHC and beyond. European Physical Journal C, 2017, 77, 481.   | 1.4 | 59        |
| 1796 | Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 103       |
| 1797 | Cross-platform validation and analysis environment for particle physics. Computer Physics Communications, 2017, 220, 91-96.   | 3.0 | 3         |
| 1798 | Search for $t\bar{t}\hat{A}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 22        |
| 1799 | Constraining Light-Quark Yukawa Couplings from Higgs Distributions. Physical Review Letters, 2017, 118, 121801.   | 2.9 | 58        |
| 1800 | Study of $J/\psi$ Production in Jets. Physical Review Letters, 2017, 118, 192001.   | 2.9 | 39        |
| 1801 | Direct Photon Production at Next-to-Next-to-Leading Order. Physical Review Letters, 2017, 118, 222001.  | 2.9 | 79        |
| 1802 | Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV. Physical Review D, 2017, 95, .                  | 1.6 | 50        |
| 1803 | Precision probes of QCD at high energies. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 32        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1804 | Novel signatures for vector-like quarks. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 32        |
| 1805 | Search for the Dimuon Decay of the Higgs Boson in pp Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. Physical Review Letters, 2017, 119, 051802.  | 2.9 | 36        |
| 1806 | Validity of dark matter effective theory. Physical Review D, 2017, 95, .   | 1.6 | 12        |
| 1807 | Search for Dark Matter Produced in Association with a Higgs Boson Decaying to $b\bar{b}$ . Using $b\bar{b}$ channel. Probing the electroweak phase transition at the LHC. Physical Review Letters, 2017, 119, 181804.              | 2.9 | 49        |
| 1808 | Jet clustering dependence of Higgs boson production in vector-boson fusion. Physical Review D, 2017, 95, .   | 1.6 | 10        |
| 1809 | Resonant di-Higgs boson production in the $b\bar{b}$ channel. Probing the electroweak phase transition at the LHC. Physical Review D, 2017, 96, .  | 1.6 | 45        |
| 1810 | Review of LHC experimental results on low mass bosons in multi Higgs models. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 16        |
| 1811 | Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\tau$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 14        |
| 1812 | Search for Heavy Higgs Bosons A/H Decaying to a Top Quark Pair in pp Collisions at $\sqrt{s}=8$ TeV with the ATLAS Detector. Physical Review Letters, 2017, 119, 191803.   | 2.9 | 74        |
| 1813 | Threshold and Jet Radius Joint Resummation for Single-Inclusive Jet Production. Physical Review Letters, 2017, 119, 212001.  | 2.9 | 31        |
| 1814 | Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.  | 2.9 | 23        |
| 1815 | Measurement of inclusive and differential cross sections in the $H \rightarrow ZZ^* \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 31        |
| 1816 | Single top quarks and dark matter. Physical Review D, 2017, 96, .  | 1.6 | 10        |
| 1817 | Photon and Pomeron-induced Production of Dijets in pp, pA and AA Collisions. European Physical Journal C, 2017, 77, 1.   | 1.4 | 18        |
| 1818 | Measurement of lepton differential distributions and the top quark mass in $t\bar{t}$ . European Physical Journal C, 2017, 77, 804.  | 1.4 | 28        |
| 1819 | Resonant slepton production and right sneutrino dark matter in left-right supersymmetry. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 12        |
| 1820 | Search for anomalous $Wtb$ couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.                     | 1.6 | 35        |
| 1821 | Trilinear-augmented gaugino mediation. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 3         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1822 | Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 13        |
| 1823 | Fragmentation to a jet in the large $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">z \rangle$ limit. Physical Review D, 2017, 95, .  | 1.6 | 17        |
| 1824 | Next-to-leading order QCD predictions for top-quark pair production with up to three jets. European Physical Journal C, 2017, 77, 1.  | 1.4 | 20        |
| 1825 | Measurement of the $\overline{\text{t}}\gamma$ production cross section in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                 | 1.6 | 9         |
| 1826 | $B \rightarrow \overline{A} B$ angular correlations at the LHC in the parton Reggeization approach merged with higher-order matrix elements. Physical Review D, 2017, 96, .   | 1.6 | 27        |
| 1827 | Classification without labels: learning from mixed samples in high energy physics. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 138       |
| 1828 | Measurement of the semileptonic $t \overline{t} \hat{\nu}^3$ production cross section in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.                               | 1.6 | 11        |
| 1829 | Measurement of the cross section and longitudinal double-spin asymmetry for dijet production in polarized pp collisions at $s = 200 \text{ GeV}$ . Physical Review D, 2017, 95, .   | 1.6 | 22        |
| 1830 | Sgluons in the same-sign lepton searches. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 14        |
| 1831 | Search for new phenomena with the $M_{\text{T}2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 710.              | 1.4 | 98        |
| 1832 | Phenomenological analysis of an $E \nu \nu$ -inspired seesaw model. Physical Review D, 2017, 96, .  | 1.6 | 1         |
| 1833 | Measurements of charge and CP asymmetries in b-hadron decays using top-quark events collected by the ATLAS detector in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 9         |
| 1834 | Photon structure studied at an electron ion collider. Physical Review D, 2017, 96, .  | 1.6 | 16        |
| 1835 | Jet axes and universal transverse-momentum-dependent fragmentation. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 38        |
| 1836 | Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.                       | 1.6 | 14        |
| 1837 | Performance of the ATLAS track reconstruction algorithms in dense environments in LHC Run 2. European Physical Journal C, 2017, 77, 673.  | 1.4 | 75        |
| 1838 | Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 23        |
| 1839 | Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.                | 1.6 | 14        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1840 | Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2017, 95, .   | 1.6 | 12        |
| 1841 | Search for new phenomena in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 144.   | 1.4 | 12        |
| 1842 | tWH associated production at the LHC. European Physical Journal C, 2017, 77, 34.  | 1.4 | 67        |
| 1843 | Full mass dependence in Higgs boson production in association with jets at the LHC and FCC. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 18        |
| 1844 | Measurement of the ZZ production cross section in proton-proton collisions at $\sqrt{s}=8$ TeV using the ZZ $\rightarrow \gamma\gamma$ , $\gamma Z$ , $Z\gamma$ , $ZZ$ and ZZ $\rightarrow \gamma\gamma$ decay channels with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 18        |
| 1845 | Phenomenology of enhanced light quark Yukawa couplings and the $W\Delta$ charge asymmetry. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 22        |
| 1846 | Probing the W tb vertex structure in t-channel single-top-quark production and decay in pp collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 17        |
| 1847 | Weakly supervised classification in high energy physics. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 72        |
| 1848 | Dark sectors and enhanced $h \rightarrow \tilde{l}_i \tilde{l}_j$ transitions. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 5         |
| 1849 | Nuclear parton density functions from jet production in DIS at an EIC. Physical Review D, 2017, 95, .   | 1.6 | 22        |
| 1850 | Analysing parameter space correlations of recent 13 TeV gluino and squark searches in the pMSSM. European Physical Journal C, 2017, 77, 1.  | 1.4 | 6         |
| 1851 | Deep learning in color: towards automated quark/gluon jet discrimination. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 190       |
| 1852 | Angular structure of jet quenching within a hybrid strong/weak coupling model. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 74        |
| 1853 | Hunting the dark Higgs. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 16        |
| 1854 | Deciphering the MSSM Higgs mass at future hadron colliders. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 3         |
| 1855 | Search for lepton-flavour-violating decays of the Higgs and Z bosons with the ATLAS detector. European Physical Journal C, 2017, 77, 70.  | 1.4 | 79        |
| 1856 | Top-squark in natural SUSY under current LHC run-2 data. European Physical Journal C, 2017, 77, 1.  | 1.4 | 29        |
| 1857 | QCD next-to-leading-order predictions matched to parton showers for vector-like quark models. European Physical Journal C, 2017, 77, 135.   | 1.4 | 45        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1858 | On the challenge of estimating diphoton backgrounds at large invariant mass. European Physical Journal C, 2017, 77, 126.  | 1.4 | 2         |
| 1859 | Electroweak Higgs boson production in the standard model effective field theory beyond leading order in QCD. European Physical Journal C, 2017, 77, 1.  | 1.4 | 41        |
| 1860 | Performance of the ATLAS trigger system in 2015. European Physical Journal C, 2017, 77, 317.  | 1.4 | 489       |
| 1861 | Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.  | 1.4 | 32        |
| 1862 | Parton-shower matching systematics in vector-boson-fusion WW production. European Physical Journal C, 2017, 77, 1.  | 1.4 | 11        |
| 1863 | Measurements of the production cross section of a ZZ Z boson in association with jets in pp collisions at $\sqrt{s} = 13$ s. European Physical Journal C, 2017, 77, 361.                              | 1.4 | 47        |
| 1864 | Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 354.  | 1.4 | 23        |
| 1865 | Measurement of jet fragmentation in Pb+Pb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ s NN = 2.76. European Physical Journal C, 2017, 77, 379.   | 1.4 | 51        |
| 1866 | Uncover compressed supersymmetry via boosted bosons from the heavier stop/sbottom. European Physical Journal C, 2017, 77, 1.  | 1.4 | 5         |
| 1867 | Constraining new resonant physics with top spin polarisation information. European Physical Journal C, 2017, 77, 1.   | 1.4 | 3         |
| 1868 | Search for dark matter at $\sqrt{s}=13$ TeV in final states containing an energetic photon and large missing transverse momentum with the ATLAS detector. European Physical Journal C, 2017, 77, 393. | 1.4 | 80        |
| 1869 | Monte Carlo updates on color coherence at 7 TeV. Journal of the Korean Physical Society, 2017, 70, 465-468.   | 0.3 | 0         |
| 1870 | Determining the CP nature of spin-0 mediators in associated production of dark matter and $t\bar{t}$ pairs. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 32        |
| 1871 | Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 95        |
| 1872 | Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.                                      | 1.6 | 22        |
| 1873 | Measuring the CP property of Higgs coupling to tau leptons in the VBF channel at the LHC. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 9         |
| 1874 | Azimuthal asymmetries in QCD hard scattering: infrared safe but divergent. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 19        |
| 1875 | Direct bounds on heavy top-like quarks with standard and exotic decays. Physical Review D, 2017, 96, .  | 1.6 | 45        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1876 | Search for direct top squark pair production in final states with two leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2017, 77, 898.   | 1.4 | 50        |
| 1877 | Collider constraints and new tests of color octet vectors. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 2         |
| 1878 | Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.  | 1.4 | 38        |
| 1879 | Search for direct top squark pair production in events with a Higgs or Z boson, and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 8         |
| 1880 | Driving missing data at the LHC: NNLO predictions for the ratio of $\frac{\sigma(\text{top squark pair})}{\sigma(\text{top quark pair})}$ and $\frac{\sigma(\text{top squark pair})}{\sigma(\text{top quark pair})}$ . Physical Review D, 2017, 96.                             | 1.6 | 18        |
| 1881 | Measurement of detector-corrected observables sensitive to the anomalous production of events with jets and large missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2017, 77, 765. | 1.4 | 19        |
| 1882 | Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 221802.  | 2.9 | 40        |
| 1883 | Measurement of electroweak-induced production of $W\ell^3$ with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 17        |
| 1884 | Lepton flavor violating Higgs boson decay at $\sqrt{s} = 13$ TeV colliders. Physical Review D, 2017, 96, .  | 1.6 | 9         |
| 1885 | New physics in multi-Higgs boson final states. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 22        |
| 1886 | Searches for $W\ell^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 8         |
| 1887 | Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 22        |
| 1888 | Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 15        |
| 1889 | Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 27        |
| 1890 | Electroweak splitting functions and high energy showering. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 62        |
| 1891 | Multilepton signals of heavier electroweakinos at the LHC. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 10        |
| 1892 | Differential distributions for t-channel single top-quark production and decay at next-to-next-to-leading order in QCD. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 45        |
| 1893 | Search for supersymmetry in events with b-tagged jets and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 17        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1894 | LHC searches for dark sector showers. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 50        |
| 1895 | Improving LHC searches for dark photons using lepton-jet substructure. Physical Review D, 2017, 95, .  | 1.6 | 4         |
| 1896 | Jet energy scale measurements and their systematic uncertainties in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .                    | 1.6 | 157       |
| 1897 | Final state in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .   | 1.6 | 18        |
| 1898 | Physics opportunities for vector-boson scattering at a future 100 TeV hadron collider. Physical Review D, 2017, 96, .  | 1.6 | 5         |
| 1899 | Interplay between the $b\tau$ anomalies and dark matter physics. Physical Review D, 2017, 96, .  | 1.6 | 33        |
| 1900 | Probing the pseudoscalar portal to dark matter via $b\tau$ anomalies. Physical Review D, 2017, 96, .   | 1.6 | 27        |
| 1901 | Precise Predictions for Dijet Production at the LHC. Physical Review Letters, 2017, 119, 152001.   | 2.9 | 62        |
| 1902 | Quark-gluon discrimination in the search for gluino pair production at the LHC. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 20        |
| 1903 | Search for dark matter in association with a Higgs boson decaying to two photons at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2017, 96, .                                | 1.6 | 15        |
| 1904 | Reach of the high-energy LHC for gluinos and top squarks in SUSY models with light Higgsinos. Physical Review D, 2017, 96, .   | 1.6 | 21        |
| 1905 | Jet and heavy flavor production in heavy-ion collisions. Nuclear and Particle Physics Proceedings, 2017, 289-290, 121-124.   | 0.2 | 0         |
| 1906 | Measurement of the nuclear modification factor for high- $p_T$ charged hadrons in p+Pb collisions with the ATLAS detector. Nuclear and Particle Physics Proceedings, 2017, 289-290, 281-284. | 0.2 | 3         |
| 1907 | Resonant Higgs pair production as a probe of stop at the LHC. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 6         |
| 1908 | Jet observables and stops at a 100 TeV collider. Physical Review D, 2017, 96, .  | 1.6 | 3         |
| 1909 | Electroweak corrections to diphoton plus jets. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 21        |
| 1910 | Search for top squark pair production in pp collisions at $\sqrt{s}=13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.                                       | 1.6 | 31        |
| 1911 | Augmenting collider searches and enhancing discovery potentials through stochastic jet grooming. Physical Review D, 2017, 95, .  | 1.6 | 2         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1912 | Top-quark pair-production and decay at high precision. Physical Review D, 2017, 96, .  | 1.6 | 13        |
| 1913 | Dissecting multi-photon resonances at the large hadron collider. European Physical Journal C, 2017, 77, 595.   | 1.4 | 6         |
| 1914 | Measurement of the inclusive jet cross-sections in proton-proton collisions at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 23        |
| 1915 | Measurement of the $t\bar{t}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 15        |
| 1916 | Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 5         |
| 1917 | Casimir meets Poisson: improved quark/gluon discrimination with counting observables. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 60        |
| 1918 | Differentiating $U(1)$ supersymmetric models with right sneutrino and neutralino dark matter. Physical Review D, 2017, 96, .   | 1.6 | 10        |
| 1919 | Initial performance studies of a general-purpose detector for multi-TeV physics at a 100 TeV pp collider. Journal of Instrumentation, 2017, 12, P06009-P06009.   | 0.5 | 8         |
| 1920 | The energy distribution of subjets and the jet shape. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 42        |
| 1921 | Search for pair production of vector-like top quarks in events with one lepton, jets, and missing transverse momentum in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 38        |
| 1922 | Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 578.  | 1.4 | 57        |
| 1923 | Identification and rejection of pile-up jets at high pseudorapidity with the ATLAS detector. European Physical Journal C, 2017, 77, 580.   | 1.4 | 35        |
| 1924 | Measurement of $WW/WZ \rightarrow \ell u q^{\prime} W W / W Z \rightarrow \ell u q^{\prime} q q$ production with the hadronically decaying boson reconstructed as one or two jets in pp collisions at $\sqrt{s}=8$ TeV with ATLAS, and constraints on anomalous gauge couplings. European Physical Journal C, 2017, 77, 563. | 1.4 | 28        |
| 1925 | Impact of additional bosons on the exploration of the Higgs boson at the LHC. International Journal of Modern Physics A, 2017, 32, 1746010.  | 0.5 | 5         |
| 1926 | A comprehensive framework for studying $W \rightarrow \ell \nu$ and $Z \rightarrow \ell \ell$ bosons at hadron colliders with automated jet veto resummation. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 28        |
| 1927 | Search for top quark partners with charge 5/3 in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 3         |
| 1928 | Disentangling heavy flavor at colliders. Physical Review D, 2017, 96, .  | 1.6 | 19        |
| 1929 | Systematics of quark/gluon tagging. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 86        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1930 | Search for new phenomena in a lepton plus high jet multiplicity final state with the ATLAS experiment using $s = 13 \sqrt{s} = 13 \text{ TeV}$ proton-proton collision data. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 12        |
| 1931 | Searches for the $Z\bar{1}^3$ decay mode of the Higgs boson and for new high-mass resonances in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 30        |
| 1932 | Studies of $Z\bar{1}^3$ production in association with a high-mass dijet system in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                | 1.6 | 14        |
| 1933 | Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 29        |
| 1934 | Measurements of jet charge with dijet events in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 17        |
| 1935 | Measurements of top-quark pair differential cross-sections in the lepton+jets channel in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.       | 1.6 | 16        |
| 1936 | Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.  | 1.4 | 41        |
| 1937 | Exploring anomalous $h \rightarrow b\bar{b}$ production in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                                      | 1.6 | 1         |
| 1938 | Search for new phenomena in dijet events using $h \rightarrow b\bar{b}$ production in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.           | 1.6 | 114       |
| 1939 | Search for CP violation effects in the $h \rightarrow \tau^+ \tau^-$ decay with $e^+e^-$ collision data collected at $\sqrt{s} = 37 \text{ GeV}$ . Physical Review D, 2017, 96, .   | 1.4 | 7         |
| 1940 | Search for top quark decays $t \rightarrow qH$ , with $H \rightarrow Z\bar{1}^3$ , in $s = 13 \sqrt{s} = 13 \text{ TeV}$ pp collisions using the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.             | 1.6 | 18        |
| 1941 | Search for associated production of a Z boson with a single top quark and for $tZ$ flavour-changing interactions in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.      | 1.6 | 21        |
| 1942 | Probing vector-like quark models with Higgs-boson pair production. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 14        |
| 1943 | Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 15        |
| 1944 | Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 62        |
| 1945 | Constraints on the trilinear Higgs coupling from vector boson fusion and associated Higgs production at the LHC. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 49        |
| 1946 | NLO electroweak corrections in extended Higgs sectors with RECOLA2. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 25        |
| 1947 | Soft functions for generic jet algorithms and observables at hadron colliders. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 8         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 1948 | Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.            | 1.6 | 41        |
| 1949 | A study of jet mass distributions with grooming. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 61        |
| 1950 | Medium response in JEWEL and its impact on jet shape observables in heavy ion collisions. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 76        |
| 1951 | Study of $WW\gamma WW\hat{3}$ and $WZ\gamma WZ$ . European Physical Journal C, 2017, 77, 646.   | 1.4 | 30        |
| 1952 | Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 1.   | 1.4 | 2         |
| 1953 | Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 636.  | 1.4 | 38        |
| 1954 | SCYNet: testing supersymmetric models at the LHC with neural networks. European Physical Journal C, 2017, 77, 1.  | 1.4 | 4         |
| 1955 | Probing $\text{CP}$ -violating Higgs and gauge-boson couplings in the Standard Model effective field theory. European Physical Journal C, 2017, 77, 675.  | 1.4 | 20        |
| 1956 | Search for single production of the vector-like top partner at the 14 TeV LHC. European Physical Journal C, 2017, 77, 1.  | 1.4 | 28        |
| 1957 | Characterizing Higgs portal dark matter models at the ILC. European Physical Journal C, 2017, 77, 1.  | 1.4 | 26        |
| 1958 | ColliderBit: a GAMBIT module for the calculation of high-energy collider observables and likelihoods. European Physical Journal C, 2017, 77, 1.   | 1.4 | 39        |
| 1959 | Stealth multiboson signals. European Physical Journal C, 2017, 77, 1.   | 1.4 | 18        |
| 1960 | Helicity antenna showers for hadron colliders. European Physical Journal C, 2017, 77, 1.  | 1.4 | 14        |
| 1961 | Generalized fragmentation functions for fractal jet observables. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 20        |
| 1962 | Monojet searches for momentum-dependent dark matter interactions. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 16        |
| 1963 | Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tilde{l}$ , leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 22        |
| 1964 | Leptonic mono-top from single stop production at the LHC. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 10        |
| 1965 | Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 4         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1966 | Measurements of top quark spin observables in $t\bar{t}$ events using dilepton final states in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                              | 1.6 | 20        |
| 1967 | Automation of NLO QCD and EW corrections with Sherpa and Recola. European Physical Journal C, 2017, 77, 1.   | 1.4 | 35        |
| 1968 | Glino reach and mass extraction at the LHC in radiatively-driven natural SUSY. European Physical Journal C, 2017, 77, 1.   | 1.4 | 26        |
| 1969 | Dichroic subjettness ratios to distinguish colour flows in boosted boson tagging. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 27        |
| 1970 | Dark matter physics, flavor physics and LHC constraints in the dark matter model with a bottom partner. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 7         |
| 1971 | $W\bar{A}\pm Z$ production at the LHC: fiducial cross sections and distributions in NNLO QCD. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 54        |
| 1972 | A generic anti-QCD jet tagger. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 80        |
| 1973 | Search for new phenomena with large jet multiplicities and missing transverse momentum using large-radius jets and flavour-tagging at ATLAS in 13 TeV pp collisions. Journal of High Energy Physics, 2017, 2017, 1.                | 1.6 | 11        |
| 1974 | Top-quark mass measurement in the all-hadronic $t\bar{t}$ decay channel at $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 16        |
| 1975 | Ultraboosted $Zt$ and $\gamma t$ production at the HL-LHC and FCC-hh. European Physical Journal C, 2017, 77, 1.  | 1.4 | 9         |
| 1976 | Pileup Mitigation with Machine Learning (PUMML). Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 69        |
| 1977 | Search for a scalar partner of the top quark in the jets plus missing transverse momentum final state at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                                 | 1.6 | 45        |
| 1978 | Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.                           | 1.4 | 23        |
| 1979 | Extracting the top-quark running mass using $t\bar{t} + 1\text{-jet}$ events produced at the Large Hadron Collider. European Physical Journal C, 2017, 77, 1.  | 1.4 | 13        |
| 1980 | Influence of transverse segmentation of back hadronic calorimeter of CMS detector (LHC) on identification of tagging jets in VBF $H\bar{A}\bar{A}, \bar{A}\bar{A}, +$ process. Journal of Contemporary Physics, 2017, 52, 311-316. | 0.1 | 1         |
| 1981 | Search for a compressed supersymmetric spectrum with a light gravitino. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 12        |
| 1982 | Reducing the top quark mass uncertainty with jet grooming. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 7         |
| 1983 | Jet-associated resonance spectroscopy. European Physical Journal C, 2017, 77, 842.   | 1.4 | 4         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 1984 | Search for supersymmetry in final states with two same-sign or three leptons and jets using 36 fb <sup>-1</sup> of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                               | 1.6 | 31        |
| 1985 | Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 10        |
| 1986 | Diphoton production in association with two bottom jets. European Physical Journal C, 2017, 77, 1.   | 1.4 | 5         |
| 1987 | Complete NLO corrections to W+W+ scattering and its irreducible background at the LHC. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 48        |
| 1988 | Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13$ $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.                      | 1.6 | 14        |
| 1989 | Tagging new physics with charm. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 3         |
| 1990 | 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 $s = 13$ $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 36        |
| 1991 | Quark flavour-violating Higgs decays at the ILC. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 11        |
| 1992 | Weak boson fusion at 100 TeV. Physical Review D, 2017, 95, .   | 1.6 | 11        |
| 1993 | NLO predictions for Higgs boson pair production with full top quark mass dependence matched to parton showers. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 63        |
| 1994 | Analysis of the Wtb vertex from the measurement of triple-differential angular decay rates of single top quarks produced in the t-channel at $s = 8$ $\sqrt{s}=8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.                | 1.6 | 8         |
| 1995 | Evidence for the $H \rightarrow b \bar{b}$ decay with the ATLAS detector. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 64        |
| 1996 | Electroweak Higgs production with HiggsPO at NLO QCD. European Physical Journal C, 2017, 77, 1.  | 1.4 | 11        |
| 1997 | Determination of the strong coupling constant $\alpha_{\text{m}} \pm s$ from transverse energy-energy correlations in multijet events at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 872.   | 1.4 | 32        |
| 1998 | Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 101       |
| 1999 | Search for squarks and gluinos in events with an isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D. 2017. 96. .   | 1.6 | 23        |
| 2000 | Jet fragmentation and multijet studies in heavy ion collisions at ATLAS. Journal of Physics: Conference Series, 2017, 805, 012007.   | 0.3 | 0         |
| 2001 | Measurements of the production of prompt photons, jets and vector bosons+jets in pp collisions with the ATLAS detector. EPJ Web of Conferences, 2017, 141, 02001.  | 0.1 | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2002 | Search for heavy resonances in vector boson fusion. EPJ Web of Conferences, 2017, 137, 08016.  | 0.1 | 0         |
| 2003 | Recent heavy ion results from the ATLAS experiment. EPJ Web of Conferences, 2017, 138, 01002.  | 0.1 | 0         |
| 2004 | Multi-jet correlations and colour coherence phenomena. EPJ Web of Conferences, 2017, 141, 04003.   | 0.1 | 1         |
| 2005 | Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.  | 0.5 | 348       |
| 2006 | Top Partner Production at e+e- Collider in the Littlest Higgs Model with T-Parity. Advances in High Energy Physics, 2017, 2017, 1-10.  | 0.5 | 2         |
| 2007 | LHC Probes of TeV-Scale Scalars in $S$ $O$ Unification. Advances in High Energy Physics, 2017, 2017, 1-13.   |     |           |
| 2008 | Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.  | 1.4 | 30        |
| 2009 | Higgs production in association with off-shell top-antitop pairs at NLO EW and QCD at the LHC. Journal of High Energy Physics, 2017, 2017, 1.  | 1.6 | 36        |
| 2010 | Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1. | 1.6 | 11        |
| 2011 | Constraining compressed versions of MUED and MSSM using soft tracks at the LHC. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 9         |
| 2012 | Digging deeper for new physics in the LHC data. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 14        |
| 2013 | Recent hard probe measurements from STAR. EPJ Web of Conferences, 2017, 141, 04002.  | 0.1 | 0         |
| 2014 | Measurement of inclusive jet spectra in pp, p+Pb, and Pb+Pb collisions with the ALICE detector. Journal of Physics: Conference Series, 2017, 805, 012008.  | 0.3 | 0         |
| 2015 | Search for WIMP dark matter produced in association with a Z boson with the ATLAS detector. EPJ Web of Conferences, 2017, 164, 08008.  | 0.1 | 4         |
| 2016 | Natural Alignment in the Two Higgs Doublet Model. Journal of Physics: Conference Series, 2017, 873, 012008.  | 0.3 | 13        |
| 2017 | Cold nuclear matter effects on jet suppression in heavy-ion collisions. Journal of Physics: Conference Series, 2017, 832, 012006.  | 0.3 | 0         |
| 2018 | Forward Physics with the CMS Experiment at LHC. EPJ Web of Conferences, 2017, 164, 07014.  | 0.1 | 0         |
| 2019 | Measurements of jet rates with the anti-kt and SISCone algorithms at LEP with the OPAL detector. EPJ Web of Conferences, 2017, 141, 02003.   | 0.1 | 0         |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2020 | Angular correlations in pair production at the LHC in the parton Reggeization approach. EPJ Web of Conferences, 2017, 158, 03010.  | 0.1  | 2         |
| 2021 | Search for dark matter particle candidates produced in association with a Z boson in pp collisions at a center-of-mass energy of 13 TeV with the ATLAS detector. Journal of Physics: Conference Series, 2017, 934, 012024. | 0.3  | 1         |
| 2022 | Direct photon-hadron correlation measurement and a way towards photon-triggered jets at RHIC. Journal of Physics: Conference Series, 2017, 832, 012003.  | 0.3  | 0         |
| 2023 | Searches for Exotic Physics in ATLAS using Substructure Techniques. Journal of Physics: Conference Series, 2017, 878, 012007.  | 0.3  | 0         |
| 2024 | Jets in heavy ion collisions. Journal of Physics: Conference Series, 2017, 832, 012001.  | 0.3  | 0         |
| 2025 | Search for narrow resonances in dijet final states at s=8 TeV with the novel CMS technique of data scouting. AIP Conference Proceedings, 2017, , .   | 0.3  | 4         |
| 2026 | Jet suppression measurement with the ATLAS detector. Journal of Physics: Conference Series, 2017, 832, 012005.   | 0.3  | 0         |
| 2027 | Dijet asymmetries in Pb+Pb and pp collisions with the ATLAS detector. Journal of Physics: Conference Series, 2017, 832, 012007.  | 0.3  | 0         |
| 2028 | NLO QCD predictions for $Wb$ production in association with up to three light jets at the LHC. Physical Review D, 2018, 97, .  | 1.6  | 13        |
| 2029 | Hadron collider searches for diboson resonances. Progress in Particle and Nuclear Physics, 2018, 100, 211-261.   | 5.6  | 10        |
| 2030 | Anatomy of the inert two-Higgs-doublet model in the light of the LHC and non-LHC dark matter searches. Physical Review D, 2018, 97, .  | 1.6  | 125       |
| 2031 | Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. Physical Review Letters, 2018, 120, 071802.   | 2.9  | 40        |
| 2032 | Observation of Electroweak Production of Same-Sign $W$ Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 142302.       | 2.9  | 86        |
| 2033 | Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2018, 78, 242.   | 1.4  | 10        |
| 2034 | Measurement of the Splitting Function in $pp$ and Pb-Pb Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 142302.   | 2.9  | 70        |
| 2035 | The structure of the proton in the LHC precision era. Physics Reports, 2018, 742, 1-121.   | 10.3 | 144       |
| 2036 | Evidence for the associated production of the Higgs boson and a top quark pair with the ATLAS detector. Physical Review D, 2018, 97, .   | 1.6  | 51        |
| 2037 | Explaining dark matter and neutrino mass in the light of TYPE-II seesaw model. Journal of Cosmology and Astroparticle Physics, 2018, 2018, 029-029.  | 1.9  | 3         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2038 | Evolution of the mean jet shape and dijet asymmetry distribution of an ensemble of holographic jets in strongly coupled plasma. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 25        |
| 2039 | Measurement of the cross-section for producing a W boson in association with a single top quark in pp collisions at $\sqrt{s} = 13$ TeV with ATLAS. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 17        |
| 2040 | Search for Dark Photons Produced in $\sqrt{s} = 13$ TeV pp Collisions. Physical Review Letters, 2018, 120, 061801.   | 2.9 | 113       |
| 2041 | Probing sterile neutrinos in the framework of inverse seesaw mechanism through leptoquark productions. Physical Review D, 2018, 97, .  | 1.6 | 15        |
| 2042 | Search for Higgsino pair production in $\sqrt{s} = 13$ TeV pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 061801.   | 1.6 | 10        |
| 2043 | Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions with jets from polarized-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, .   | 1.6 | 27        |
| 2044 | Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b} \rightarrow \gamma\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 36        |
| 2045 | First observation of forward $Z\tau^+\tau^-$ production in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 430-439.  | 1.5 | 2         |
| 2046 | Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.  | 1.4 | 27        |
| 2047 | Search for new phenomena in high-mass final states with a photon and a jet from pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 102.  | 1.4 | 13        |
| 2048 | Measurements of the $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross section and the $\sigma(\text{pp} \rightarrow \text{ZZ})$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 165. | 1.4 | 52        |
| 2049 | Search for the direct production of charginos and neutralinos in final states with tau leptons in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 154.   | 1.4 | 52        |
| 2050 | Heavy quark radiation in NLO+PS POWHEG generators. European Physical Journal C, 2018, 78, 1.   | 1.4 | 7         |
| 2051 | Measurement of differential cross-sections of a single top quark produced in association with a W boson at $\sqrt{s} = 13$ TeV with ATLAS. European Physical Journal C, 2018, 78, 186.   | 1.4 | 20        |
| 2052 | Search for single production of vector-like top partner decaying to Wb at $\sqrt{s} = 13$ TeV collision. European Physical Journal C, 2018, 78, 1.   | 1.4 | 7         |
| 2053 | Search for heavy ZZ resonances in the $\text{pp} \rightarrow \text{ZZ} \rightarrow \text{e}^+\text{e}^-\text{e}^+\text{e}^-$ final states using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 293.                 | 1.4 | 101       |
| 2054 | A search for pair-produced resonances in four-jet final states at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 250.   | 1.4 | 66        |
| 2055 | Running bumps from stealth bosons. European Physical Journal C, 2018, 78, 1.   | 1.4 | 5         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2056 | Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.   | 1.4 | 16        |
| 2057 | Exploring the anomalous top-Higgs FCNC couplings at the electron proton colliders. European Physical Journal C, 2018, 78, 1.  | 1.4 | 14        |
| 2058 | Singlet-triplet fermionic dark matter and LHC phenomenology. European Physical Journal C, 2018, 78, 1.  | 1.4 | 19        |
| 2059 | $hh + \text{jet}$ production at 100 TeV. European Physical Journal C, 2018, 78, 322.  | 1.4 | 24        |
| 2060 | LHC search for right-handed neutrinos in $Z\bar{\nu}\nu$ models. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 21        |
| 2061 | Measurement of the inclusive $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ cross section in pp collisions at $\sqrt{s} = 5.02$ TeV using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.         | 1.6 | 5         |
| 2062 | Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 0         |
| 2063 | Top quark mass studies with $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ at the LHC. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 12        |
| 2064 | Search for heavy resonances decaying into a W or Z boson and a Higgs boson in final states with leptons and b-jets in $36 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 40        |
| 2065 | Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.                                   | 1.6 | 5         |
| 2066 | Status and prospects of light bino-higgsino dark matter in natural SUSY. European Physical Journal C, 2018, 78, 1.  | 1.4 | 37        |
| 2067 | Search for heavy resonances decaying into WW in the $e\mu u e \hat{1}/2 \hat{1}/4 \hat{1}/2$ final state in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2018, 78, 24.                                    | 1.4 | 108       |
| 2068 | Direct top-quark decay width measurement in the $\text{t} \rightarrow \text{t} \hat{1} \text{ lepton} + \text{jets}$ channel at $\sqrt{s} = 8$ TeV with the ATLAS experiment. European Physical Journal C, 2018, 78, 129.                               | 1.4 | 17        |
| 2069 | Constraining scalar resonances with top-quark pair production at the LHC. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 7         |
| 2070 | Heavy charged scalars from $gg$ fusion: a generic search strategy applied to a 3HDM with $U(1) \times U(1)$ family symmetry. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 6         |
| 2071 | Novel jet observables from machine learning. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 47        |
| 2072 | Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 57        |
| 2073 | Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 63        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2092 | Next-to-Leading-Order QCD Corrections to Higgs Boson Plus Jet Production with Full Top-Quark Mass Dependence. <i>Physical Review Letters</i> , 2018, 120, 162001.                  | 2.9 | 73        |
| 2093 | Phenomenology of single-inclusive jet production with jet radius and threshold resummation. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 21        |
| 2094 | Radial scaling in inclusive jet production at hadron colliders. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 1         |
| 2095 | Discovery prospects of a light Higgs boson at the LHC in type-I 2HDM. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 2         |
| 2096 | Testing the scalar sector of the twin Higgs model at colliders. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 16        |
| 2097 | Closing in on the chargino contribution to the muon $g_{\mu}^{\prime 2}$ in the MSSM: Current LHC constraints. <i>Physical Review D</i> , 2018, 97, .                              | 1.6 | 22        |
| 2098 | Precision Measurements with an Electroweak Boson in the Final State with the ATLAS Detector. <i>International Journal of Modern Physics Conference Series</i> , 2018, 46, 1860054. | 0.7 | 0         |
| 2099 | Electroweak dark matter at future hadron colliders. <i>Physical Review D</i> , 2018, 98, .   | 1.6 | 25        |
| 2100 | Recursive Neural Networks in Quark/Gluon Tagging. <i>Computing and Software for Big Science</i> , 2018, 2, 1.  | 1.3 | 60        |
| 2101 | Higgs and Z assisted stop searches at hadron colliders. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 0         |
| 2102 | Deep learning in jet reconstruction at CMS. <i>Journal of Physics: Conference Series</i> , 2018, 1085, 042029.   | 0.3 | 6         |
| 2103 | Top quark polarization as a probe of charged Higgs bosons. <i>Physical Review D</i> , 2018, 98, .  | 1.6 | 7         |
| 2104 | Probing heavy charged Higgs boson at the LHC. <i>Physical Review D</i> , 2018, 98, .   | 1.6 | 6         |
| 2105 | Learning to Remove Pileup at the LHC with Jet Images. <i>Journal of Physics: Conference Series</i> , 2018, 1085, 042010.   | 0.3 | 4         |
| 2106 | Constraints on Higgs Effective Couplings in $H \rightarrow \tau^+ \tau^-$ Production of CLIC at 380 GeV. <i>Advances in High Energy Physics</i> , 2018, 2018, 1-8.                 | 0.5 | 13        |
| 2107 | Searching for heavy Higgs bosons in the $t\bar{t}Z$ and $t\bar{t}W$ final states. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 18        |
| 2108 | Probing compressed dark sectors at 100 TeV in the dileptonic mono-Z channel. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.  | 1.6 | 2         |
| 2109 | Factorization of the Jet Mass Distribution in the Small R Limit. <i>Journal of the Korean Physical Society</i> , 2018, 73, 1230-1239.  | 0.3 | 6         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2110 | Experimental results from CMS. EPJ Web of Conferences, 2018, 192, 00005.   | 0.1 | 0         |
| 2111 | Search for $\overline{\text{t}}\text{t}\text{H}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 20        |
| 2112 | Search for the Higgs boson produced in association with a vector boson and decaying into two spin-zero particles in the $\text{H} \rightarrow \text{aa} \rightarrow 4\text{b}$ channel in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 28        |
| 2113 | Boosting $\text{H} \rightarrow \text{bb}$ with machine learning. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 55        |
| 2114 | The groomed and ungroomed jet mass distribution for inclusive jet production at the LHC. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 33        |
| 2115 | Infrared sensitivity of single jet inclusive production at hadron colliders. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 30        |
| 2116 | Spectral analysis of jet substructure with neural networks: boosted Higgs case. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 21        |
| 2117 | Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 9         |
| 2119 | Heavy-ion Physics (ATLAS). EPJ Web of Conferences, 2018, 182, 02101.   | 0.1 | 0         |
| 2120 | Measurement of the $\text{Z}\gamma \rightarrow \text{u}\overline{\text{u}}\gamma$ 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        |
| 2121 | Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 12        |
| 2122 | The Lund jet plane. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 84        |
| 2123 | Production and integration of the ATLAS Insertable B-Layer. Journal of Instrumentation, 2018, 13, T05008-T05008.   | 0.5 | 260       |
| 2124 | Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .   | 1.6 | 16        |
| 2125 | Search for Higgs boson pair production in the $\text{Z}\gamma \gamma \text{WW}^* \rightarrow \text{W} \text{W}^*$ 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        |
| 2126 | Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 11        |
| 2127 | Measurement of colour flow using jet-pull observables in $\text{t}\overline{\text{t}}\text{t}\overline{\text{t}}$ events with the ATLAS experiment at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 847.   | 1.4 | 16        |
| 2128 | Vector boson scattering: Recent experimental and theory developments. Reviews in Physics, 2018, 3, 44-63.  | 4.4 | 17        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2129 | Study of the associated production of the Higgs boson with a top quark pair in a boosted regime in the ATLAS experiment. European Physical Journal Plus, 2018, 133, 1.  | 1.2 | 1         |
| 2130 | Search for the vectorlike leptons in the U(1)X model inspired by the B -meson decay anomalies. Physical Review D, 2018, 98, .   | 1.6 | 8         |
| 2131 | Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 19        |
| 2132 | Flavour-violating decays of mixed top-charm squarks at the LHC. European Physical Journal C, 2018, 78, 1.   | 1.4 | 5         |
| 2133 | Effective operators in t-channel single top production and decay. European Physical Journal C, 2018, 78, 919.   | 1.4 | 13        |
| 2134 | Measurements of the vector boson production with the ATLAS detector. EPJ Web of Conferences, 2018, 172, 03001.  | 0.1 | 0         |
| 2135 | The ATLAS Run-2 Trigger Menu for Higher Luminosities: Design, Performance and Operational Aspects. EPJ Web of Conferences, 2018, 182, 02083.  | 0.1 | 1         |
| 2136 | ATLAS Jet Reconstruction, Calibration, and Tagging of Lorentzboosted Objects. EPJ Web of Conferences, 2018, 182, 02113.   | 0.1 | 1         |
| 2137 | Probing transverse-momentum dependent evolution with groomed jets. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 25        |
| 2138 | Photon isolation and jet substructure. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 10        |
| 2139 | Exploring non minimal Universal Extra Dimensional model at the LHC. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 8         |
| 2140 | Color matrix element corrections for parton showers. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 29        |
| 2141 | Detecting a boosted diboson resonance. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 16        |
| 2142 | Computing N -subjettiness for boosted jets. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 20        |
| 2143 | Recursive Soft Drop. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 39        |
| 2144 | Jets and threshold summation in deductor. Physical Review D, 2018, 98, .  | 1.6 | 14        |
| 2145 | Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.               | 1.6 | 43        |
| 2146 | A forward branching phase space generator for hadron colliders. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 4         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2147 | Renormalization of mixing angles. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 40        |
| 2148 | B anomalies and leptoquarks at the LHC: Beyond the lepton-quark final state. Physical Review D, 2018, 98, .  | 1.6 | 8         |
| 2149 | The automation of next-to-leading order electroweak calculations. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 149       |
| 2150 | Electroweak logarithms in inclusive cross sections. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 29        |
| 2151 | Merging high energy with soft and collinear logarithms using HEJ and PYTHIA. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 4         |
| 2152 | Hard photons in hadroproduction of top quarks with realistic final states. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 25        |
| 2153 | An operational definition of quark and gluon jets. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 39        |
| 2154 | Deep learning as a parton shower. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 35        |
| 2155 | Hexapod coloron at the LHC. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 2         |
| 2156 | Weakly Supervised Classification For High Energy Physics. Journal of Physics: Conference Series, 2018, 1085, 042006.   | 0.3 | 2         |
| 2157 | Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 12        |
| 2158 | Search for a new heavy gauge-boson resonance decaying into a lepton and missing transverse momentum in 36 fb $\sqrt{s}=13$ TeV of pp collisions at. European Physical Journal C, 2018, 78, 401.  | 1.4 | 50        |
| 2159 | Search for lepton-flavor-violating decays of the $Z$ boson into a lepton and a light lepton with the ATLAS detector. Physical Review D, 2018, 98, .  | 1.6 | 7         |
| 2160 | Deep learning for R-parity violating supersymmetry searches at the LHC. Physical Review D, 2018, 98, .   | 1.6 | 15        |
| 2161 | Search for Resonant and Nonresonant Higgs Boson Pair Production in the $b\bar{b}$ Decay Channel in $p\bar{p}$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review Letters, 2018, 121, 191801.                                 | 1.6 | 70        |
| 2162 | Heavy quark jet fragmentation. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 14        |
| 2163 | 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        |
| 2164 | Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two $\tilde{l}_\alpha$ leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 34        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2165 | Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 26        |
| 2166 | Measurement of the differential cross sections for $W$ -boson 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 | 0         |
| 2167 | Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 13        |
| 2168 | 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         |
| 2169 | Measurement of the top quark mass with lepton+jets final states using $pp$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 891.   | 1.4 | 34        |
| 2170 | Search for Higgs boson pair production in the $pp$ final state with 13 TeV $pp$ collision data collected by the ATLAS experiment. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 38        |
| 2171 | 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        |
| 2172 | Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 20        |
| 2173 | Search for pair and single production of vectorlike quarks in final states with at least one $Z$ boson decaying into a pair of electrons or muons in $pp$ collision data collected with the ATLAS detector at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 32        |
| 2174 | Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 18        |
| 2175 | Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 57        |
| 2176 | Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 4         |
| 2177 | 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       |
| 2178 | Towards a fully massive five-flavor scheme. Physical Review D, 2018, 98, .  | 1.6 | 16        |
| 2179 | Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 241802.   | 2.9 | 50        |
| 2180 | Search for pair production of heavy vectorlike quarks decaying into hadronic final states in $pp$ collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .   | 1.6 | 8         |
| 2181 | Search for pair production of heavy vectorlike quarks decaying into hadronic final states in $pp$ collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .   | 1.6 | 29        |
| 2182 | Search for pair production of heavy vectorlike quarks decaying into hadronic final states in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2018, 98, .   | 1.6 | 14        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2183 | Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .  | 1.6 | 17        |
| 2184 | Search for chargino-neutralino production using recursive jigsaw reconstruction in final states with two or three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, . | 1.6 | 41        |
| 2185 | Measurement of jet substructure observables in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .   | 1.6 | 24        |
| 2186 | Naturalness, the hyperbolic branch, and prospects for the observation of charged Higgs bosons at high luminosity LHC and 27 TeV LHC. Physical Review D, 2018, 98, .  | 1.6 | 15        |
| 2187 | Fast inference of deep neural networks in FPGAs for particle physics. Journal of Instrumentation, 2018, 13, P07027-P07027.   | 0.5 | 232       |
| 2189 | Confronting new physics theories to LHC data with MADANALYSIS. International Journal of Modern Physics A, 2018, 33, 1830027.   | 0.5 | 98        |
| 2190 | Comparison between simulated and observed LHC beam backgrounds in the ATLAS experiment at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P12006-P12006.  | 0.5 | 2         |
| 2191 | Same-sign top pair plus $W$ production in flavor changing vector and scalar models. Physical Review D, 2018, 98, .   | 1.6 | 7         |
| 2192 | 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       |
| 2193 | Measurements of event properties and multi-differential jet cross sections and impact of CMS measurements on Proton Structure and QCD parameters. EPJ Web of Conferences, 2018, 172, 02001.                        | 0.1 | 0         |
| 2194 | Search for pair production of Higgsinos in final states with at least three $b$ -tagged jets in $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .  | 1.6 | 20        |
| 2195 | Gluon jet function at three loops in QCD. Physical Review D, 2018, 98, .   | 1.6 | 22        |
| 2196 | Constraining top quark flavor violation and dipole moments through three and four top quark productions at the LHC. Physical Review D, 2018, 98, .   | 1.6 | 16        |
| 2197 | Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.     | 1.6 | 23        |
| 2198 | Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.     | 1.6 | 82        |
| 2199 | Search for $Z\tilde{1}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.                                     | 1.6 | 17        |
| 2200 | 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        |
| 2201 | Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 14        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2202 | Search for supersymmetry in events with a $\tilde{l}$ , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1. <a href="#">Measurements of Higgs boson properties in the diphoton decay channel with</a> | 1.6 | 21        |
| 2203 | <a href="#">Transfer to</a> $\frac{36}{\sqrt{115}}$ of $p$ Physical Review D, 2018, 98, .  | 1.6 | 115       |
| 2204 | Operation and performance of the ATLAS Tile Calorimeter in Run 1. European Physical Journal C, 2018, 78, 987.  | 1.4 | 25        |
| 2205 | Status of natural supersymmetry from the generalized minimal supergravity in light of the current LHC run-2 and LUX data. Physical Review D, 2018, 98, .   | 1.6 | 2         |
| 2206 | Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV Using Isolated Photon-Tagged Jets. Physical Review Letters, 2018, 121, 242301.  | 2.9 | 32        |
| 2207 | Dark matter and collider signals in an MSSM extension with vector-like multiplets. Physical Review D, 2018, 98, .  | 1.6 | 7         |
| 2208 | Performance of reconstruction and identification of $\tilde{l}$ , leptons decaying to hadrons and $\tilde{\nu}_\tau$ in pp collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P10005-P10005. <a href="#">Transfer to</a>   | 0.5 | 69        |
| 2209 | $\frac{1}{\sqrt{2}}$ and $\frac{1}{\sqrt{2}}$ hyperons in polarized proton-proton collisions. Physical Review Letters, 2018, 121, 242301.  | 1.6 | 12        |
| 2210 | Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 221802.  | 2.9 | 14        |
| 2211 | Search for third-generation scalar leptoquarks decaying to a top quark and a $\tilde{l}$ , lepton at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.  | 1.4 | 46        |
| 2212 | Measurement of differential cross sections for $Z$ boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 965.   | 1.4 | 39        |
| 2213 | Top tagging: an analytical perspective. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 7         |
| 2214 | T-odd top partner pair production in the dilepton final states at the LHC in the littlest Higgs Model with T-parity. Chinese Physics C, 2018, 42, 103102.  | 1.5 | 6         |
| 2215 | 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        |
| 2216 | Probing bino-wino coannihilation dark matter below the neutrino floor at the LHC. Physical Review D, 2018, 98, .   | 1.6 | 18        |
| 2217 | Observation of the $Z \rightarrow \tilde{l} \tilde{l}^*$ , $Z \rightarrow \tilde{\nu}_\tau \tilde{\nu}_\tau^*$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 2418015  | 1.6 | 15        |
| 2218 | Fully differential NNLO computations with MATRIX. European Physical Journal C, 2018, 78, 1.  | 1.4 | 178       |
| 2219 | Searching for left sneutrino LSP at the LHC. International Journal of Modern Physics A, 2018, 33, 1850110.   | 0.5 | 23        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2220 | Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\gamma$ , " $2q$ final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 8         |
| 2221 | Collider phenomenology of Hidden Valley mediators of spin 0 or 1/2 with semivisible jets. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 25        |
| 2222 | Search for heavy resonances decaying to a photon and a hadronically decaying $Z$ boson in $q\bar{q}$ collisions at $\sqrt{s}=13$ TeV with one or two jets identified as $b$ -jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 13        |
| 2223 | Probing anomalous $W$ couplings at the LHC in single $W$ production. Physical Review D, 2018, 98, .  | 1.6 | 18        |
| 2224 | couplings at the LHC in single $W$ production. Physical Review D, 2018, 98, .  | 1.6 | 13        |
| 2225 | Natural SUSY at LHC with right-sneutrino LSP. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 8         |
| 2226 | Precise predictions for electroweakino-pair production in association with a jet at the LHC. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 4         |
| 2227 | Learning to classify from impure samples with high-dimensional data. Physical Review D, 2018, 98, .  | 1.6 | 50        |
| 2228 | The Matrix Element Method at next-to-leading order QCD for hadronic collisions: single top-quark production at the LHC as an example application. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 13        |
| 2229 | Search for pair production of heavy vector-like quarks decaying into high- $p_T$ W bosons and top quarks in the lepton-plus-jets final state in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.                         | 1.6 | 22        |
| 2230 | Search for top-squark pair production in final states with one lepton, jets, and missing transverse momentum using $36\text{ fb}^{-1}$ of $\sqrt{s}=13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.                              | 1.6 | 48        |
| 2231 | Higgs boson pair production at NNLO with top quark mass effects. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 102       |
| 2232 | Novel subject observables for jet quenching in heavy-ion collisions. European Physical Journal C, 2018, 78, 1.   | 1.4 | 26        |
| 2233 | Non-global logarithms in jet and isolation cone cross sections. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 29        |
| 2234 | Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.   | 1.4 | 40        |
| 2235 | Soft-drop thrust. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 22        |
| 2236 | 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        |
| 2237 | Probing the top-Higgs Yukawa CP structure in dileptonic $t\bar{t}$ with M2-assisted reconstruction. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 32        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2238 | Search for supersymmetry in final states with charm jets and missing transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 15        |
| 2239 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mn} \rangle 31$<br>+jet correlation with next-to-leading-order-matched parton-shower and jet-medium interaction in high-energy nuclear collisions. <i>Physical Review C</i> , 2018, 98, .  | 1.1 | 31        |
| 2240 | Supersymmetry at a 28 TeV hadron collider: HE-LHC. <i>Physical Review D</i> , 2018, 98, .  | 1.6 | 19        |
| 2241 | Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1.   | 1.4 | 9         |
| 2242 | Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 25        |
| 2243 | Combination of searches for heavy resonances decaying into bosonic and leptonic final states using $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 36 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\epsilon} \langle \text{mml:mtext} \rangle \langle \text{mml:mtext} \rangle \hat{\epsilon} \langle \text{mml:mtext} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mn} \rangle 3$<br>of proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2018, 98, . | 1.6 | 3         |
| 2244 | Inclusive jet production as a probe of polarized parton distribution functions at a future EIC. <i>Physical Review D</i> , 2018, 98, .   | 1.6 | 18        |
| 2245 | $H^{\pm} \rightarrow h^0$ production via vector-boson fusion in the Georgi-Machacek model at hadron colliders. <i>Physical Review D</i> , 2018, 98, .  | 1.6 | 0         |
| 2246 | Establishing a search for $b \rightarrow s \gamma$ anomalies at the LHC. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.  | 1.6 | 18        |
| 2247 | Search for charged Higgs bosons decaying via $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ in the $\tau^{\pm} + \text{jets}$ and $\tau^{\pm} + \text{lepton}$ final states with 36 fb $^{-1}$ of pp collision data recorded at $\sqrt{s} = 13$ TeV with the ATLAS experiment. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 59        |
| 2248 | Monojet signatures from heavy colored particles: future collider sensitivities and theoretical uncertainties. <i>European Physical Journal C</i> , 2018, 78, 1.  | 1.4 | 5         |
| 2249 | Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 18        |
| 2250 | Measurement of the $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \text{au au})$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \tau^+ \tau^-)$ . <i>European Physical Journal C</i> , 2018, 78, 708.  | 1.4 | 10        |
| 2251 | Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 42        |
| 2252 | Search for dark matter produced in association with a Higgs boson decaying to $\tau^+ \tau^-$ or $\tau^+ \nu_{\tau}$ at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.  | 1.6 | 12        |
| 2253 | Precise predictions for same-sign W-boson scattering at the LHC. <i>European Physical Journal C</i> , 2018, 78, 671.   | 1.4 | 42        |
| 2254 | Anomalous quartic gauge couplings and unitarization for the vector boson scattering process $\text{pp} \rightarrow W^+ W^+ \text{jj}$ . <i>European Physical Journal C</i> , 2018, 78, 1.  | 1.4 | 36        |
| 2255 | Search for additional neutral MSSM Higgs bosons in the $\tau^+ \tau^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.  | 1.6 | 73        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2256 | Higgs boson pair production at future hadron colliders: From kinematics to dynamics. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 54        |
| 2257 | Probing the Quantum Interference between Singly and Doubly Resonant Top-Quark Production in Collisions at $\sqrt{s}=13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018, 121, 152002.  | 2.9 | 16        |
| 2258 | Combined analysis of double Higgs production via gluon fusion at the HL-LHC in the effective field theory approach. <i>Physical Review D</i> , 2018, 98, .  | 1.6 | 21        |
| 2259 | Transverse-Momentum-Dependent Distributions with Jets. <i>Physical Review Letters</i> , 2018, 121, 162001.  | 2.9 | 52        |
| 2260 | Search for photonic signatures of gauge-mediated supersymmetry in $\sqrt{s}=13$ TeV pp collisions with the ATLAS detector. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 20        |
| 2261 | Probing the type-II seesaw mechanism through the production of Higgs bosons at a lepton collider. <i>Physical Review D</i> , 2018, 98, .  | 1.6 | 28        |
| 2262 | Anomalous triple-gauge-boson interactions in vector-boson pair production with RecoLa2. <i>European Physical Journal C</i> , 2018, 78, 1.   | 1.4 | 24        |
| 2263 | Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 11        |
| 2264 | Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 34        |
| 2265 | Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}q\bar{q}$ final state. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 10        |
| 2266 | Long-lived stau, sneutrino dark matter and right-slepton spectrum. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 17        |
| 2267 | Reconstructing heavy Higgs boson masses in a type X two-Higgs-doublet model with a light pseudoscalar particle. <i>Physical Review D</i> , 2018, 98, .  | 1.6 | 14        |
| 2268 | The Operating Principles of an Algorithm for Jet Reconstruction Using a Calorimeter and Trackers in Collisions of High-Energy Particles. <i>Moscow University Physics Bulletin (English Translation of Tj ETQq0 0 0 rgBT / Overlock 10 Tf 50 257)</i> |     |           |
| 2269 | The importance of calorimetry for highly-boosted jet substructure. <i>Journal of Instrumentation</i> , 2018, 13, T01003-T01003.   | 0.5 | 12        |
| 2270 | Search for flavor-changing neutral currents in top quark decays $t\bar{t}'Hc$ and $t\bar{t}'Hu$ in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. <i>Physical Review D</i> , 2018, 98, .          | 1.6 | 17        |
| 2271 | Revisiting the non-resonant Higgs pair production at the HL-LHC. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 40        |
| 2272 | NLO and off-shell effects in top quark mass determinations. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.  | 1.6 | 16        |
| 2273 | Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.  | 1.6 | 35        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2274 | Higgs-boson plus dijets: higher-order matching for high-energy predictions. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 13        |
| 2275 | Search for beyond the standard model Higgs bosons decaying into a $\overline{b}b$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 21        |
| 2276 | Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .   | 1.6 | 13        |
| 2277 | Tests of Higgs couplings in $t\bar{t}$ semileptonic events at the LHC. Physical Review D, 2018, 98, .   | 1.6 | 14        |
| 2278 | Investigating the scalar sector of left-right symmetric models with leptonic probes. Physical Review D, 2018, 98, .   | 1.6 | 9         |
| 2279 | New NLOPS predictions for $t\bar{t} + b$ . European Physical Journal C, 2018, 78, 1.  | 1.4 | 36        |
| 2280 | Measurements of b-jet tagging efficiency with the ATLAS detector using $t\bar{t}$ events at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 40        |
| 2281 | Search for flavour-changing neutral current top-quark decays $t \rightarrow qZ$ in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.                      | 1.6 | 17        |
| 2282 | Search for squarks and gluinos in final states with jets and missing transverse momentum using $36 \times 36$ fb $^{-1}$ of $\sqrt{s}=13$ TeV data. Physical Review D, 2018, 97, .  | 1.6 | 10        |
| 2283 | Measurement of the inclusive and fiducial $t\bar{t}$ production cross-sections in the. European Physical Journal C, 2018, 78, 487.  | 1.4 | 10        |
| 2284 | Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s}=5.02$ TeV $PbPb$ collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2018, 78, 509.   | 1.4 | 83        |
| 2285 | Search for lepton flavour violating decays of the Higgs boson to $\tau\mu$ , and $e\tau$ , in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.                                   | 1.6 | 29        |
| 2286 | Magnifying the ATLAS stealth stop splinter: impact of spin correlations and finite widths. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 3         |
| 2287 | Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $W$ , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 38        |
| 2288 | Search for Higgs bosons produced via vector-boson fusion and decaying into bottom quark pairs in $pp$ collisions with the ATLAS detector. Physical Review D, 2018, 98, .  | 1.6 | 26        |
| 2289 | Searches for Dark Matter via Mono- $W$ Production in Inert Doublet Model at the LHC. Communications in Theoretical Physics, 2018, 69, 617.  | 1.1 | 14        |
| 2290 | Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.  | 2.9 | 219       |
| 2291 | Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .  | 1.6 | 39        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2292 | Search for Low-Mass Dijet Resonances Using Trigger-Level Jets with the ATLAS Detector in $pp$ Collisions at $\sqrt{s} = 13$ TeV with the ATLAS Detector. <i>Physical Review Letters</i> , 2018, 121, 081801.   | 2.9 | 41        |
| 2293 | Search for heavy particles decaying into top-quark pairs using lepton-plus-jets events in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 565.   | 1.4 | 79        |
| 2294 | Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1.   | 1.4 | 17        |
| 2295 | Probing compressed mass spectra in electroweak supersymmetry with Recursive Jigsaw Reconstruction. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.  | 1.6 | 1         |
| 2296 | Top quark FCNCs in extended Higgs sectors. <i>European Physical Journal C</i> , 2018, 78, 1.   | 1.4 | 20        |
| 2297 | Lepton-pair production in association with a $b\bar{b}$ pair and the determination of the W boson mass. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 15        |
| 2298 | Search for top squarks decaying to tau sleptons in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2018, 98, .  | 1.6 | 9         |
| 2299 | Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 20        |
| 2300 | Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 16        |
| 2301 | Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 23        |
| 2302 | Search for a singly produced third-generation scalar leptoquark decaying to a $\bar{l}$ , lepton and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 15        |
| 2303 | Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 13        |
| 2304 | Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.   | 1.6 | 31        |
| 2305 | Measurement of jet fragmentation in Pb-Pb and $pp$ collisions at $\sqrt{s} = 2.76$ and $13$ TeV. <i>Physical Review Letters</i> , 2018, 121, 092001.   | 1.1 | 24        |
| 2306 | Measurement of the Soft-Drop Jet Mass in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2018, 121, 092001.   | 2.9 | 33        |
| 2307 | Nuclear parton density functions from dijet photoproduction at the EIC. <i>Physical Review D</i> , 2018, 97, .   | 1.6 | 16        |
| 2308 | Search for supersymmetry in events with four or more leptons in $\sqrt{s} = 13$ TeV pp collisions with ATLAS. <i>Physical Review D</i> , 2018, 98, .   | 1.6 | 21        |
| 2309 | Search for new phenomena using the invariant mass distribution of same-flavour opposite-sign dilepton pairs in events with missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. <i>European Physical Journal C</i> , 2018, 78, 625. | 1.4 | 27        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2328 | Weak vector boson production with many jets at the LHC<br>$\sqrt{s} > 13 \text{ TeV}$ Physical Review D, 2018, 97, .  | 1.6 | 11        |
| 2329 | Studying Medium Modification of Jets Using Jet Evolution with Energy Loss (JEWEL) Model. Springer Proceedings in Physics, 2018, , 877-879.  | 0.1 | 0         |
| 2330 | Measurement of Charged Jet Cross Sections and Jet Shapes in Proton-Proton Collisions at $\sqrt{s} = 2.76 \text{ TeV}$ with the ALICE Detector at LHC. Springer Proceedings in Physics, 2018, , 275-279.   | 0.1 | 0         |
| 2331 | Study of methods of resolved top quark reconstruction in semileptonic<br>$t \rightarrow b \ell \nu$ decay. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 900, 84-100.  | 0.7 | 4         |
| 2332 | Exclusion Limits on a Scalar Decaying to Photons and Distinguishing Its Production Mechanisms. Advances in High Energy Physics, 2018, 2018, 1-14.   | 0.5 | 2         |
| 2333 | Production of top quark pairs and of additional jets in<br>$e^+e^- \rightarrow t\bar{t} + \text{jets}$ events from<br>$e^+e^- \rightarrow t\bar{t} + \text{jets}$ Search for "new" physics in final states with an energetic jet or a hadronically decaying<br>$W \rightarrow b\bar{b}$ or<br>$Z \rightarrow b\bar{b}$ Physical Review D, 2018, . | 1.6 | 30        |
| 2334 | Search for "new" physics in final states with an energetic jet or a hadronically decaying<br>$W \rightarrow b\bar{b}$ or<br>$Z \rightarrow b\bar{b}$ boson and transverse momentum imbalance at<br>$\sqrt{s} = 5.02 \text{ TeV}$ Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 78        |
| 2335 | Jet properties in PbPb and pp collisions at<br>$\sqrt{s} = 5.02 \text{ TeV}$ Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 13        |
| 2336 | Top-philic vectorlike portal to scalar dark matter. Physical Review D, 2018, 98, .  | 1.6 | 24        |
| 2337 | Measurement of inclusive jet and dijet cross-sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 17        |
| 2338 | Multi-Scale Distributed Representation for Deep Learning and its Application to b-Jet Tagging. Journal of the Korean Physical Society, 2018, 72, 1292-1300.   | 0.3 | 0         |
| 2339 | Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.  | 1.6 | 37        |
| 2340 | Pomeron Physics at the LHC. EPJ Web of Conferences, 2018, 172, 06006.   | 0.1 | 1         |
| 2341 | Search for dark matter produced in association with bottom or top quarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions with the ATLAS detector. European Physical Journal C, 2018, 78, 18.   | 1.4 | 60        |
| 2342 | The jet mass distribution after Soft Drop. European Physical Journal C, 2018, 78, 96.   | 1.4 | 49        |
| 2343 | Jet reconstruction at high-energy electron-positron colliders. European Physical Journal C, 2018, 78, 1.  | 1.4 | 37        |
| 2344 | Some dipole shower studies. European Physical Journal C, 2018, 78, 226.   | 1.4 | 40        |
| 2345 | Search for doubly charged Higgs boson production in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2018, 78, 199.   | 1.4 | 132       |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2346 | Observables for possible QGP signatures in central pp collisions. European Physical Journal C, 2018, 78, 1.   | 1.4 | 16        |
| 2347 | Longitudinal Double Spin Asymmetries of $\bar{t}t$ - Jet Correlations in Polarized Proton Collisions at $s = 510$ GeV at STAR. International Journal of Modern Physics Conference Series, 2018, 46, 1860011.                        | 0.7 | 0         |
| 2348 | An automated subtraction of NLO EW infrared divergences. European Physical Journal C, 2018, 78, 119.  | 1.4 | 42        |
| 2349 | Measurement of $\sigma_{\text{au}} \sigma_{\text{Z}}$ , polarisation in $\sigma_{\text{Z}/\gamma^*} \rightarrow \text{au au} \sigma_{\text{Z}} / \hat{s}^3$ . European Physical Journal C, 2018, 78, 163.                           | 1.4 | 7         |
| 2350 | Single top-quark production with sherpa. European Physical Journal C, 2018, 78, 1.  | 1.4 | 11        |
| 2351 | Searches for heavy ZZ and ZW resonances in the $\hat{a}, \hat{a}, \hat{q}q$ and $\hat{t}1/2\hat{t}1/2qq$ final states in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1. | 1.6 | 29        |
| 2352 | Prompt photon production and photon-jet correlations at the LHC. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 12        |
| 2353 | Jet angularity measurements for single inclusive jet production. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 18        |
| 2354 | Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.                                 | 1.4 | 44        |
| 2355 | Search for pair production of up-type vector-like quarks and for four-top-quark events in final states with multiple b-jets with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.                                 | 1.6 | 33        |
| 2356 | Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, 125011.  | 1.6 | 36        |
| 2357 | Differential cross-sections of highly boosted top quarks decaying to all-hadronic final states in $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, 125012.   | 1.6 | 22        |
| 2358 | Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 062002.   | 2.9 | 22        |
| 2359 | Observation of $W^+W^-$ production in association with jets at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review Letters, 2018, 120, 231801.   | 2.9 | 209       |
| 2360 | Exploring collider aspects of a neutrinophilic Higgs doublet model in multilepton channels. Physical Review D, 2018, 97, .  | 1.6 | 5         |
| 2361 | Vectorlike quarks and heavy colored bosons at the LHC. Physical Review D, 2018, 97, .   | 1.6 | 3         |
| 2362 | Measurement of differential cross sections and $W^+W^-$ cross-section ratios for W boson production in association with jets at $\sqrt{s} = 8$ TeV with the ATLAS detector. Journal of High Energy Physics, 2018, 2018, 1.          | 1.6 | 16        |
| 2363 | Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 241801.              | 2.9 | 19        |



| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 2364 | Combination of inclusive and differential $\overline{\sigma}(\sigma)$ charge asymmetry measurements using ATLAS and CMS data at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2018, 2018, 1.                    | 1.6  | 7         |
| 2365 | Clockwork/linear dilaton: structure and phenomenology. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6  | 47        |
| 2366 | Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 221801.   | 2.9  | 160       |
| 2367 | Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 97, .  | 1.6  | 10        |
| 2368 | Probing the Time Structure of the Quark-Gluon Plasma with Top Quarks. Physical Review Letters, 2018, 120, 232301.   | 2.9  | 32        |
| 2369 | Loop induced single top partner production and decay at the LHC. Journal of High Energy Physics, 2018, 2018, 1.   | 1.6  | 31        |
| 2370 | Statistical analyses of Higgs- and Z -portal dark matter models. Physical Review D, 2018, 97, .   | 1.6  | 35        |
| 2371 | Jet Topics: Disentangling Quarks and Gluons at Colliders. Physical Review Letters, 2018, 120, 241602.   | 2.9  | 51        |
| 2372 | Jet measurements in heavy ion physics. Reviews of Modern Physics, 2018, 90, .   | 16.4 | 110       |
| 2373 | Asymmetric heavy-quark hadroproduction at LHCb: predictions and applications. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6  | 5         |
| 2374 | Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two $\tilde{l}$ , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 1.6  | 33        |
| 2375 | Precision diboson measurements at hadron colliders. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6  | 27        |
| 2376 | Search for a $W\tilde{\chi}^0$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6  | 5         |
| 2377 | Single production of vector-like top partner in the $Wb$ channel at $e^+e^-$ collision in the LHT model. International Journal of Modern Physics A, 2019, 34, 1950093.  | 0.5  | 0         |
| 2378 | Phenomenology with a recoil-free jet axis: TMD fragmentation and the jet shape. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6  | 11        |
| 2379 | Prospects for a measurement of the W boson mass in the all-jets final state at hadron colliders. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6  | 0         |
| 2380 | Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.                   | 1.6  | 13        |
| 2381 | 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        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2382 | On lepton flavor universality in top quark decays. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 9         |
| 2383 | Inclusive search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 3         |
| 2384 | Investigating the topology dependence of quark and gluon jets. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 19        |
| 2385 | Aspects of track-assisted mass. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 5         |
| 2386 | Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.                          | 1.6 | 17        |
| 2387 | Search for excited leptons in $\hat{e}, \hat{\mu}, \hat{\tau}$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 3         |
| 2388 | Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 24        |
| 2389 | Search for chargino and neutralino production in final states with a Higgs boson and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, .                       | 1.6 | 21        |
| 2390 | 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        |
| 2391 | Machine-learning-based jet momentum reconstruction in heavy-ion collisions. Physical Review C, 2019, 99, .   | 1.1 | 14        |
| 2392 | Search for the production of $W\tilde{A}^\pm$ events at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 100, .   | 1.6 | 10        |
| 2393 | Jet grooming through reinforcement learning. Physical Review D, 2019, 100, .   | 1.6 | 11        |
| 2394 | Unearthing the electroweak structure of heavy charged gauge bosons. Physical Review D, 2019, 100, .  | 1.6 | 1         |
| 2395 | Mixed hidden sector-visible sector dark matter and observation of a CP odd Higgs boson at HL-LHC and HE-LHC. Physical Review D, 2019, 100, .   | 1.6 | 7         |
| 2396 | Search for neutral Higgs bosons decaying to $b\tilde{A}^\pm$ in the flipped 2HDM at future $e^+e^-$ collisions at $\sqrt{s}=36.1$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .                        | 1.6 | 3         |
| 2397 | Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .                                    | 1.6 | 22        |
| 2398 | Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .  | 1.6 | 20        |
| 2399 | Search for heavy charged long-lived particles in the ATLAS detector in $pp$ collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .  | 1.6 | 15        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2400 | Quark jet rates and quark-gluon discrimination in multijet final states. Physical Review D, 2019, 99, .   | 1.6 | 5         |
| 2401 | Precision QCD Event Shapes at Hadron Colliders: The Transverse Energy-Energy Correlator in the Back-to-Back Limit. Physical Review Letters, 2019, 123, 062001.  | 2.9 | 29        |
| 2402 | 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        |
| 2403 | Heavy neutrinos with dynamic jet vetoes: multilepton searches at $\sqrt{s} = 14$ , 27, and 100 TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 62        |
| 2404 | Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ , ext {TeV} $s = 13$ TeV. European Physical Journal C, 2019, 79, 1. | 1.4 | 9         |
| 2405 | Physics requirements for the FCC-hh calorimeter system. Journal of Physics: Conference Series, 2019, 1162, 012010.  | 0.3 | 2         |
| 2406 | Search for pair production of second-generation leptoquarks at $s = 13$ TeV. Physical Review D, 2019, 99, .   | 1.6 | 32        |
| 2407 | Search for pair production of first-generation scalar leptoquarks at $s = 13$ TeV. Physical Review D, 2019, 99, .   | 1.6 | 31        |
| 2408 | motivated $S$ 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.   | 1.6 | 51        |
| 2409 | Fully differential vector-boson fusion Higgs pair production at next-to-next-to-leading order. Physical Review D, 2019, 99, .   | 1.6 | 18        |
| 2410 | Dedicated strategies for triboson signals from cascade decays of vector resonances. Physical Review D, 2019, 99, .  | 1.6 | 14        |
| 2411 | 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         |
| 2412 | QCD and electroweak corrections to WZ scattering at the LHC. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 29        |
| 2413 | Non-quadratic improved Hessian PDF reweighting and application to CMS dijet measurements at 5.02 TeV. European Physical Journal C, 2019, 79, 1.   | 1.4 | 30        |
| 2414 | 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        |
| 2415 | Interplaying mechanisms behind single inclusive jet suppression in heavy-ion collisions. Physical Review C, 2019, 99, .   | 1.1 | 42        |
| 2416 | HYTREES: combining matrix elements and parton shower for hypothesis testing. European Physical Journal C, 2019, 79, 1.  | 1.4 | 14        |
| 2417 | Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$ , ext {TeV} $s = 13$ TeV. European Physical Journal C, 2019, 79, 564.  | 1.4 | 50        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2418 | Heavy resonances at energy-frontier hadron colliders. European Physical Journal C, 2019, 79, 1.   | 1.4 | 18        |
| 2419 | Combination of Searches for Invisible Higgs Boson Decays with the ATLAS Experiment. Physical Review Letters, 2019, 122, 231801.   | 2.9 | 133       |
| 2420 | Extracting the Top-Quark Width from Nonresonant Production. Physical Review Letters, 2019, 122, 231803.   | 2.9 | 6         |
| 2421 | Vector boson production in association with a jet at forward rapidities. European Physical Journal C, 2019, 79, 526.  | 1.4 | 12        |
| 2422 | Top-Yukawa contributions to bbH production at the LHC. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 13        |
| 2423 | Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mover} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ cross sections in proton | 1.6 | 28        |
| 2424 | FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.  | 1.2 | 367       |
| 2425 | ReSyst: a novel technique to Reduce the Systematic uncertainty for precision measurements. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 0         |
| 2426 | 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        |
| 2427 | Quark jet versus gluon jet: fully-connected neural networks with high-level features. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.   | 2.0 | 13        |
| 2428 | Metric Space of Collider Events. Physical Review Letters, 2019, 123, 041801.  | 2.9 | 61        |
| 2429 | Search for scalar resonances decaying into $\hat{t}\bar{t} + \hat{b}\bar{b}$ 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        |
| 2430 | MSSM Higgs boson searches at the LHC: benchmark scenarios for Run 2 and beyond. European Physical Journal C, 2019, 79, 1.   | 1.4 | 56        |
| 2431 | Pileup mitigation at the Large Hadron Collider with graph neural networks. European Physical Journal Plus, 2019, 134, 1.  | 1.2 | 43        |
| 2432 | Probing the trilinear Higgs boson coupling in di-Higgs production at NLO QCD including parton shower effects. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 36        |
| 2433 | Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.  | 1.4 | 40        |
| 2434 | FPGA-Accelerated Machine Learning Inference as a Service for Particle Physics Computing. Computing and Software for Big Science, 2019, 3, 1.  | 1.3 | 34        |
| 2435 | Shower it again, Pythia. Physics Open, 2019, 1, 100002.   | 0.7 | 2         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2436 | Probing transverse-momentum distributions with groomed jets. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 37        |
| 2437 | Pileup and underlying event mitigation with iterative constituent subtraction. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 10        |
| 2438 | Predictions for energy correlators probing substructure of groomed heavy quark jets. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 17        |
| 2439 | Jet fragmentation as a tool to explore double parton scattering using $Z^0$ boson+jets processes at the LHC. Physical Review D, 2019, 99, .   | 1.6 | 3         |
| 2440 | Resonance-aware subtraction in the dipole method. European Physical Journal C, 2019, 79, 1.   | 1.4 | 2         |
| 2441 | An embedding technique to determine $\bar{t}, \bar{b}$ backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.  | 0.5 | 12        |
| 2442 | Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.               | 0.5 | 83        |
| 2443 | Electroweak Z Boson Production with Associated Hadronic Jets Measured by the CMS Collaboration at $\sqrt{s} = 13$ TeV. Physics of Particles and Nuclei Letters, 2019, 16, 463-468.                      | 0.1 | 0         |
| 2444 | Diffusion of charm quarks in jets in high-energy heavy-ion collisions. European Physical Journal C, 2019, 79, 1.  | 1.4 | 21        |
| 2445 | Search for diboson resonances in hadronic final states in $139 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.         | 1.6 | 20        |
| 2446 | Revisiting singlino dark matter of the natural Z3-symmetric NMSSM in the light of LHC. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 5         |
| 2447 | Confronting the coloured sector of the MRSSM with LHC data. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 6         |
| 2448 | Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, . | 1.6 | 6         |
| 2449 | Revisiting the $t\bar{t} \rightarrow hh$ channel at the FCC-hh. Physical Review D, 2019, 100, .   | 1.6 | 11        |
| 2450 | Sleptons without hadrons. Physical Review D, 2019, 100, .   | 1.6 | 8         |
| 2451 | Subtracted cumulants: Mitigating large background in jet substructure. Physical Review D, 2019, 100, .  | 1.6 | 1         |
| 2452 | Search for vectorlike quark through $t\bar{t}Z$ channel at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .   | 1.6 | 7         |
| 2453 | Role of the $t\bar{t} \rightarrow hh$ channel at the FCC-hh. Physical Review D, 2019, 100, .  | 1.6 | 10        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2454 | Coherent showers in decays of colored resonances. Physical Review D, 2019, 100, .   | 1.6 | 10        |
| 2455 | A theory of quark vs. gluon discrimination. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 33        |
| 2456 | An event generator for same-sign W-boson scattering at the LHC including electroweak corrections. European Physical Journal C, 2019, 79, 788.   | 1.4 | 19        |
| 2457 | 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         |
| 2458 | 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        |
| 2459 | Portraying double Higgs at the Large Hadron Collider. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 24        |
| 2460 | Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s} = 13$ TeV collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 773. | 1.4 | 8         |
| 2461 | Supervised Deep Learning in High Energy Phenomenology: a Mini Review*. Communications in Theoretical Physics, 2019, 71, 955.  | 1.1 | 40        |
| 2462 | Properties of jet fragmentation using charged particles measured with the ATLAS detector in $\sqrt{s} = 13$ TeV collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .                | 1.6 | 9         |
| 2463 | Varying gauge couplings and collider phenomenology. Physical Review D, 2019, 100, .   | 1.6 | 3         |
| 2464 | Exponentiating virtual imaginary contributions in a parton shower. Physical Review D, 2019, 100, .  | 1.6 | 12        |
| 2465 | Effect of color on rapidity gap survival. Physical Review D, 2019, 100, .   | 1.6 | 7         |
| 2466 | Search for a Light Charged Higgs Boson Decaying to a $W$ Boson and a $C$ -Odd Higgs Boson in Final States. Journal of High Energy Physics, 2019, 2019, 1.   | 2.9 | 21        |
| 2467 | $W$ Boson Pair in Association with Two Jets in $\sqrt{s} = 13$ TeV Collisions at the LHC. Journal of High Energy Physics, 2019, 2019, 1.  | 2.9 | 53        |
| 2468 | DijetGAN: a Generative-Adversarial Network approach for the simulation of QCD dijet events at the LHC. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 68        |
| 2469 | New probes for axionlike particles at hadron colliders. Physical Review D, 2019, 100, .   | 1.6 | 35        |
| 2470 | Probing the nonstandard top-gluon couplings through $t\bar{t}\tilde{\chi}_1^0$ production at the LHC. Physical Review D, 2019, 100, .   | 1.6 | 5         |
| 2471 | Search for single production of a top quark partner via the $t\bar{t}\tilde{\chi}_1^0$ production at the LHC. Physical Review D, 2019, 100, .   | 1.6 | 15        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2472 | Doubly-charged Higgs boson at a future electron-proton collider. <i>Physical Review D</i> , 2019, 99, .   | 1.6 | 12        |
| 2473 | Top quark anomalous FCNC production via tqg couplings at an FCC-hh. <i>Physical Review D</i> , 2019, 99, .  | 1.6 | 8         |
| 2474 | Shedding light on top partner at the LHC. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 20        |
| 2475 | Dark mesons at the LHC. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 22        |
| 2476 | Interpretable deep learning for two-prong jet classification with jet spectra. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 32        |
| 2477 | Search for charged Higgs bosons in the $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.                           | 1.6 | 54        |
| 2478 | Probes of the Standard Model effective field theory extended with a right-handed neutrino. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 38        |
| 2479 | 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. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.         | 1.6 | 13        |
| 2480 | Probing stop pair production at the LHC with graph neural networks. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 40        |
| 2481 | BSM $W W$ production with a jet veto. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 9         |
| 2482 | Study of jet-medium interactions using jet shape observables in heavy ion collisions at LHC energies with JEWEL. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 095004.  | 1.4 | 2         |
| 2483 | Probing pseudo-Goldstone dark matter at the LHC. <i>Physical Review D</i> , 2019, 100, .  | 1.6 | 34        |
| 2484 | Dominant production of heavier Higgs bosons through vector boson fusion in the NMSSM. <i>Physical Review D</i> , 2019, 99, .  | 1.6 | 7         |
| 2485 | The top quark charge asymmetry in $t\bar{t}\gamma$ product. <i>European Physical Journal C</i> , 2019, 79, 1.   | 1.4 | 7         |
| 2486 | Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 305.                                     | 1.4 | 4         |
| 2487 | Full NLO corrections to 3-jet production and $R_{32}$ at the LHC. <i>European Physical Journal C</i> , 2019, 79, 1.   | 1.4 | 10        |
| 2488 | Production of a light top-squark pair in association with a light non-SM Higgs boson within the NMSSM from proton-proton collisions at $s = 13$ TeV and 33 TeV. <i>International Journal of Modern Physics A</i> , 2019, 34, 1950125. | 0.5 | 2         |
| 2489 | Topology Classification with Deep Learning to Improve Real-Time Event Selection at the LHC. <i>Computing and Software for Big Science</i> , 2019, 3, 1.   | 1.3 | 20        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2490 | Measurements of heavy-flavour correlations and jets with ALICE at the LHC. Nuclear Physics A, 2019, 982, 579-582.   | 0.6 | 2         |
| 2491 | HEJ 2: High energy resummation for hadron colliders. Computer Physics Communications, 2019, 245, 106832.  | 3.0 | 7         |
| 2492 | Jet suppression and jet substructure in Pb+Pb and Xe+Xe collisions with the ATLAS detector. Nuclear Physics A, 2019, 982, 611-614.  | 0.6 | 0         |
| 2493 | Exploring the Phase Space of Jet Splittings at ALICE using Grooming and Recursive Techniques. Nuclear Physics A, 2019, 982, 587-590.  | 0.6 | 5         |
| 2494 | Charged-hadron suppression in Pb+Pb and Xe+Xe collisions measured with the ATLAS detector. Nuclear Physics A, 2019, 982, 571-574.   | 0.6 | 1         |
| 2495 | Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 11        |
| 2496 | Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.                 | 1.6 | 13        |
| 2497 | Electroweak baryogenesis with vector-like leptons and scalar singlets. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 15        |
| 2498 | Searches for scalar leptoquarks and differential cross-section measurements in dilepton+dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13$ TeV with the ATLAS experiment. European Physical Journal C, 2019, 79, 1. | 1.4 | 22        |
| 2499 | Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803.  | 2.9 | 12        |
| 2500 | Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 021801.  | 2.9 | 37        |
| 2501 | Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .   | 1.6 | 20        |
| 2502 | Extending the search for new resonances with machine learning. Physical Review D, 2019, 99, .   | 1.6 | 94        |
| 2503 | Combined collider constraints on neutralinos and charginos. European Physical Journal C, 2019, 79, 1.   | 1.4 | 50        |
| 2504 | Search for neutral Higgs bosons within type-I 2HDM at future linear colliders. European Physical Journal C, 2019, 79, 1.  | 1.4 | 5         |
| 2505 | Study of Jet Shape Observables in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV with JEWEL. Universe, 2019, 5, 114.   | 0.9 | 2         |
| 2506 | Searching for production of dark matter in association with top quarks at the LHC. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 13        |
| 2507 | Dark matter pair production in the MSSM and in simplified dark matter models at the LHC. European Physical Journal C, 2019, 79, 1.  | 1.4 | 3         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2508 | Sorting Out Quenched Jets. <i>Physical Review Letters</i> , 2019, 122, 222301.   | 2.9 | 17        |
| 2509 | Search for a low-mass $\tilde{\chi}_0^0, \tilde{\chi}_1^0, \tilde{\chi}_2^0$ resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 9         |
| 2510 | Factorization of Jet Cross Sections in Heavy-Ion Collisions. <i>Physical Review Letters</i> , 2019, 122, 252301.   | 2.9 | 24        |
| 2511 | Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV via Higgs boson decays to $\tilde{\chi}_0^0, \tilde{\chi}_1^0, \tilde{\chi}_2^0$ , leptons. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 1.6 | 7         |
| 2512 | Discovery reach for wino and higgsino dark matter with a disappearing track signature at a 100 TeV pp collider. <i>European Physical Journal C</i> , 2019, 79, 1.  | 1.4 | 20        |
| 2513 | Search for the pair production of light top squarks in the $e^+e^- \rightarrow t\bar{t} + \tilde{\chi}_0^0\tilde{\chi}_0^0$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.                               | 1.6 | 5         |
| 2514 | Search for single production of vector-like quarks decaying into $Wb$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 27        |
| 2515 | Measurement of associated production of a $W$ boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13$ , $8$ TeV. <i>European Physical Journal C</i> , 2019, 79, 269.  | 1.4 | 35        |
| 2516 | Search for top-quark decays $t \rightarrow Hq$ with $36 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 19        |
| 2517 | Simultaneous description of hadron and jet suppression in heavy-ion collisions. <i>Physical Review C</i> , 2019, 99, .   | 1.1 | 21        |
| 2518 | Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13, 8$ TeV. <i>European Physical Journal C</i> , 2019, 79, 421.  | 1.4 | 355       |
| 2519 | Measurement of $VH, H\mathcal{O}\mathcal{B}$ production as a function of the vector-boson transverse momentum in 13 TeV pp collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 14        |
| 2520 | Search for supersymmetry in events with a photon, jets, $W$ -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13, 8$ TeV. <i>European Physical Journal C</i> , 2019, 79, 444.  | 1.4 | 11        |
| 2521 | Correlations of High-pT Hadrons and Jets in ALICE. <i>Universe</i> , 2019, 5, 124.   | 0.9 | 0         |
| 2522 | Lepton-Jet Correlations in Deep Inelastic Scattering at the Electron-Ion Collider. <i>Physical Review Letters</i> , 2019, 122, 192003.   | 2.9 | 61        |
| 2523 | Naturalness sum rules and their collider tests. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 3         |
| 2524 | Measurements of the Higgs boson width and anomalous $H\mathcal{O}\mathcal{B}$ couplings from on-shell and off-shell production in the four-lepton final state. <i>Physical Review D</i> , 2019, 99, .  | 1.6 | 69        |
| 2525 | Machine learning templates for QCD factorization in the search for physics beyond the standard model. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 19        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2526 | Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.                           | 1.6 | 14        |
| 2527 | Variational autoencoders for new physics mining at the Large Hadron Collider. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 94        |
| 2528 | Measurement of the $t\bar{t} \rightarrow t\bar{t} \hat{A}^-$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in $pp$ collisions at. European Physical Journal C, 2019, 79, 368.                      | 1.4 | 68        |
| 2529 | Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}$ production with additional heavy-flavour jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 18        |
| 2530 | Search for Higgs boson pair production in the $t\bar{t} \rightarrow W^+W^{*-} \rightarrow b\bar{b}$ decay mode at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 26        |
| 2531 | Cross-section measurements of the Higgs boson decaying into a pair of leptons at small opening angles in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .   | 1.6 | 6         |
| 2532 | Cross-section measurements of the Higgs boson decaying into a pair of leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .  | 1.6 | 63        |
| 2533 | Studies of granularity of a hadronic calorimeter for tens-of-TeV jets at a 100 TeV $pp$ collider. Journal of Instrumentation, 2019, 14, P05008-P05008.  | 0.5 | 2         |
| 2534 | Determination of the strong coupling constant using inclusive jet cross section data from multiple experiments. European Physical Journal C, 2019, 79, 1.   | 1.4 | 8         |
| 2535 | Precise predictions for $\sigma(\gamma\gamma)/\sigma(\text{hadrons})$ cross section ratios at the LHC. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 13        |
| 2536 | Single production of vectorlike top partner decaying to $Wb$ in the leptonic channel at $\sqrt{s} = 13$ TeV colliders in the littlest Higgs model with T-parity. Physical Review D, 2019, 99, .   | 1.6 | 9         |
| 2537 | Looking Inside Jets. Lecture Notes in Physics, 2019, , .  | 0.3 | 99        |
| 2538 | Measurement of inclusive very forward jet cross sections in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 8         |
| 2539 | 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        |
| 2540 | Measurements of inclusive and differential fiducial cross-sections of $t\bar{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13$ -ext {TeV} in ATLAS. European Physical Journal C, 2019, 79, 1.  | 1.4 | 14        |
| 2541 | Search for nonresonant Higgs boson pair production in the $t\bar{t} \rightarrow b\bar{b}b\bar{b}$ final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 11        |
| 2542 | Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.   | 1.4 | 29        |
| 2543 | Accelerating the BSM interpretation of LHC data with machine learning. Physics of the Dark Universe, 2019, 24, 100293.  | 1.8 | 6         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2544 | Same-sign trilepton signal for stop quark in the presence of sneutrino dark matter. Physical Review D, 2019, 99, .   | 1.6 | 4         |
| 2545 | Factorized Groomed Jet Mass Distribution in Inclusive Jet Processes. Journal of the Korean Physical Society, 2019, 74, 439-458.  | 0.3 | 8         |
| 2546 | The past, present and future of the heavier electroweakinos in the light of LHC and other data. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 11        |
| 2547 | All-orders behaviour and renormalons in top-mass observables. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 23        |
| 2548 | Search for long-lived particles produced in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS muon spectrometer. Physical Review D, 2019, 99, .  | 1.6 | 35        |
| 2549 | Searching for the dead cone effects with iterative declustering of heavy-flavor jets. Physical Review D, 2019, 99, .   | 1.6 | 22        |
| 2550 | Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.   | 1.4 | 48        |
| 2551 | Search for associated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2019, 122, 152001.  | 2.9 | 24        |
| 2552 | Searching for dark matter in final states with two jets and missing transverse energy. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 9         |
| 2553 | Search for the Production of a Long-Lived Neutral Particle Decaying within the ATLAS Hadronic Calorimeter in Association with a Z Boson from pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 151801. |     | 12        |
| 2554 | Search for W Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.  | 2.9 | 4         |
| 2555 | Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.  | 1.4 | 34        |
| 2556 | Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.  | 1.4 | 11        |
| 2557 | Probing the Triple Higgs Self-Interaction at the Large Hadron Collider. Physical Review Letters, 2019, 122, 091801.  | 2.9 | 18        |
| 2558 | QCD-aware recursive neural networks for jet physics. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 93        |
| 2559 | Search for rare decays of Z and Higgs bosons to $J/\psi$ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94.   | 1.4 | 20        |
| 2560 | The electron-ion collider: assessing the energy dependence of key measurements. Reports on Progress in Physics, 2019, 82, 024301.  | 8.1 | 104       |
| 2561 | Search for four-top quark production in the single-lepton and opposite-sign dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2019, 99, .                              | 1.6 | 13        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2562 | Interference effects in $\overline{t}t$ production at the LHC as a window on new physics. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 19        |
| 2563 | Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 15        |
| 2564 | Search for long-lived particles decaying into displaced jets in proton-proton collisions at $s=13$ TeV. Physical Review D, 2019, 99, .  | 1.6 | 28        |
| 2565 | Measurements of $\overline{t}t$ differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 28        |
| 2566 | Search for $\overline{t}t\mathcal{H}$ production in the $\mathcal{H}o\mathcal{b}\overline{\mathcal{b}}$ decay channel with leptonic $\overline{t}t$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 28        |
| 2567 | Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .   | 1.6 | 23        |
| 2568 | Search for Narrow $H^{\pm}$ Resonances in Proton-Proton Collisions at $s=13$ TeV. Physical Review Letters, 2019, 122, 081804.   | 2.9 | 3         |
| 2570 | Probing underlying event in $Z$ -boson events using event shape observables. International Journal of Modern Physics A, 2019, 34, 1950022.  | 0.5 | 4         |
| 2571 | 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        |
| 2572 | Seeking leptoquarks in the $t\overline{t}$ plus missing energy channel at the high-luminosity LHC. Physical Review D, 2019, 99, .   | 1.6 | 13        |
| 2573 | JUNIPR: a framework for unsupervised machine learning in particle physics. European Physical Journal C, 2019, 79, 1.  | 1.4 | 86        |
| 2574 | Search for heavy Majorana or Dirac neutrinos and right-handed $W$ gauge bosons in final states with two charged leptons and two jets at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.                           | 1.6 | 39        |
| 2575 | Energy flow networks: deep sets for particle jets. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 147       |
| 2576 | Searching for a charged Higgs boson with both $H^{\pm}W^{\pm}Z$ and $H^{\pm}tb$ couplings at the LHC. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 8         |
| 2577 | Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 6         |
| 2578 | Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 14        |
| 2579 | Measurement of the triple Higgs coupling at a HE-LHC. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 18        |
| 2580 | Imaging particle collision data for event classification using machine learning. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 931, 92-99.                         | 0.7 | 6         |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2581 | Pileup mitigation at the LHC: A theorist's view. Physics Reports, 2019, 803, 1-158.  | 10.3 | 21        |
| 2582 | Search for resonant $\overline{\text{t}}\text{t}$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6  | 23        |
| 2583 | Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. Physical Review D, 2019, 99, .  | 1.6  | 12        |
| 2584 | Effective field theory in the top sector: Do multijets help?. Physical Review D, 2019, 99, .   | 1.6  | 7         |
| 2585 | Probing anomalous $tq\gamma$ and $tq$ couplings via single top production in association with photon at FCC-hh. European Physical Journal C, 2019, 79, 1.  | 1.4  | 8         |
| 2586 | In situ calibration of large-radius jet energy and mass in $13\text{ TeV}$ proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.                               | 1.4  | 28        |
| 2587 | Studying minijets and MPI with rapidity correlations. European Physical Journal C, 2019, 79, 1.  | 1.4  | 2         |
| 2588 | LHC constraints and potential on resonant monotop production. European Physical Journal C, 2019, 79, 1.  | 1.4  | 3         |
| 2589 | Parton-shower effects in electroweak $WZjj$ production at the next-to-leading order of QCD. European Physical Journal C, 2019, 79, 1.  | 1.4  | 9         |
| 2590 | Observation of Single Top Quark Production in Association with a $Z$ Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 123, 132002.                             | 2.9  | 30        |
| 2591 | Boosting perturbative QCD stability in quarkonium production. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6  | 7         |
| 2592 | Detecting hidden sector dark matter at HL-LHC and HE-LHC via long-lived stau decays. Physical Review D, 2019, 99, .  | 1.6  | 10        |
| 2593 | Measurement of the top quark mass in the $t \rightarrow t \hat{A} \hat{A}^*$ . European Physical Journal C, 2019, 79, 1.   | 1.4  | 47        |
| 2594 | Search for pair production of Higgs bosons in the $b\bar{b}$ final state using proton-proton collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1. | 1.6  | 55        |
| 2595 | Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.    | 1.6  | 14        |
| 2596 | Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.            | 1.6  | 12        |
| 2597 | Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.                                  | 1.6  | 40        |
| 2598 | Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 20.      | 1.4  | 18        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2599 | A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. <i>European Physical Journal C</i> , 2019, 79, 1.   | 1.4 | 25        |
| 2600 | Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} < 13 \text{ TeV}$ . <i>Physical Review D</i> , 2019, 99, .  | 1.6 | 16        |
| 2601 | Search for squarks and gluinos in final states with hadronically decaying $\tilde{l}, \tilde{\nu}_\tau$ -leptons, jets, and missing transverse momentum using $p_T < p_T < p_T$ collisions at $\sqrt{s} < 13 \text{ TeV}$ . <i>Physical Review D</i> , 2019, 99, . | 1.6 | 13        |
| 2602 | Search for pair-produced three-jet resonances in proton-proton collisions at $s = 13 \text{ TeV}$ . <i>Physical Review D</i> , 2019, 99, .   | 1.6 | 5         |
| 2603 | Charged jet cross section and fragmentation in proton-proton collisions at $\sqrt{s} < 13 \text{ TeV}$ . <i>Physical Review D</i> , 2019, 99, .  | 1.6 | 9         |
| 2604 | Distinctive collider signals for a two-Higgs-triplet model. <i>Physical Review D</i> , 2019, 99, .   | 1.6 | 7         |
| 2605 | Production and Hadronic Decays of Higgs Bosons in Heavy-Ion Collisions. <i>Physical Review Letters</i> , 2019, 122, 041803.  | 2.9 | 3         |
| 2606 | Constraints on the quartic Higgs self-coupling from double-Higgs production at future hadron colliders. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 25        |
| 2607 | Measurement of the top-quark mass in $t + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 27        |
| 2608 | Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b}q\bar{q}$ final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 10        |
| 2609 | Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.  | 1.4 | 24        |
| 2610 | From the bottom to the top reconstruction of $t\bar{t}$ , events with deep learning. <i>Journal of Instrumentation</i> , 2019, 14, P11015-P11015.  | 0.5 | 10        |
| 2611 | Measurement of ZZ production in the $\tilde{\nu}_\tau\tilde{\nu}_\tau$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ . <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 6         |
| 2612 | Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ using the ATLAS detector. <i>European Physical Journal C</i> , 2019, 79, 1.                          | 1.4 | 9         |
| 2613 | Parton showers and matching uncertainties in top quark pair production with Herwig 7. <i>European Physical Journal C</i> , 2019, 79, 1.  | 1.4 | 12        |
| 2614 | 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. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 50        |
| 2615 | Lund jet images from generative and cycle-consistent adversarial networks. <i>European Physical Journal C</i> , 2019, 79, 1.   | 1.4 | 36        |
| 2616 | NLO QCD predictions for $t\bar{t}b\bar{b}$ production in association with a light jet at the LHC. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 13        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2617 | ATLAS b-jet identification performance and efficiency measurement with $t\bar{t}$ events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.                                | 1.4 | 130       |
| 2618 | KK Higgs produced in association with a top quark pair in the bulk RS model. European Physical Journal C, 2019, 79, 1.   | 1.4 | 1         |
| 2619 | On the model dependence of fiducial cross-section measurements. Modern Physics Letters A, 2019, 34, 2050065.   | 0.5 | 2         |
| 2620 | Probing the top quark flavor-changing couplings at CEPC *. Chinese Physics C, 2019, 43, 113104.  | 1.5 | 8         |
| 2621 | Dynamical vector resonances from the EChL in VBS at the LHC: the WW case. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 5         |
| 2622 | Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in $p\bar{p}$ collisions at $\sqrt{s} = 8, \text{ext} \{TeV\}$ . European Physical Journal C, 2019, 79, 969. | 1.4 | 6         |
| 2623 | Nonperturbative corrections to soft drop jet mass. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 33        |
| 2624 | Measurement of charged jet cross section in $p\bar{p}$ collisions at $\sqrt{s} = 5.02$ TeV. Physical Review D, 2019, 100, .  | 1.6 | 8         |
| 2625 | Automating the construction of jet observables with machine learning. Physical Review D, 2019, 100, .  | 1.6 | 21        |
| 2626 | Measurement of angular and momentum distributions of charged particles within and around jets in $Pb\bar{Pb}$ and $p\bar{p}$ collisions. Physical Review D, 2019, 100, .                                 | 1.1 | 11        |
| 2627 | Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .  | 1.6 | 34        |
| 2628 | Search for pair production of vectorlike quarks in the fully hadronic final state. Physical Review D, 2019, 100, .   | 1.6 | 35        |
| 2629 | Measurement of the top quark polarization and spin correlations in $t\bar{t}$ production. Physical Review D, 2019, 100, .  | 1.6 | 33        |
| 2630 | Constraints on flavor-susceptible mixings in the production of Higgs bosons decaying to $V\bar{V}$ couplings. Physical Review D, 2019, 100, .  | 1.6 | 21        |
| 2631 | Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .  | 1.6 | 20        |
| 2632 | Search for pair production of vectorlike quarks in the fully hadronic final state. Physical Review D, 2019, 100, .   | 1.6 | 1         |
| 2633 | Tagging a jet from a dark sector with jet substructures at colliders. Physical Review D, 2019, 100, .  | 1.6 | 26        |
| 2634 | Dark matter and collider signals in supersymmetric $U(1)$ models. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 6         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2635 | Single-jet inclusive cross section and its definition. Physical Review D, 2019, 100, .   | 1.6 | 6         |
| 2636 | Mixed WIMP-axion dark matter. Physical Review D, 2019, 100, .  | 1.6 | 3         |
| 2637 | Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 11        |
| 2638 | Search for dijet azimuthal correlations and conditional yields in $pp \rightarrow t\bar{t} + \text{jets}$ and $pp \rightarrow t\bar{t} + \text{jets} + \text{lepton} + \text{neutrino}$ and $pp \rightarrow t\bar{t} + \text{jets} + \text{lepton} + \text{neutrino} + \text{photon}$ semileptonic final states in association with a high-mass dijet system in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, . | 1.6 | 14        |
| 2639 | Search for electroweak diboson production in association with a high-mass dijet system in semileptonic final states in $pp \rightarrow t\bar{t} + \text{jets} + \text{lepton} + \text{neutrino}$ and $pp \rightarrow t\bar{t} + \text{jets} + \text{lepton} + \text{neutrino} + \text{photon}$ collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .  | 1.6 | 15        |
| 2640 | Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .  | 1.6 | 43        |
| 2641 | FANSY 2.0: A Monte Carlo tool for study of superhigh-energy cosmic-ray interactions. European Physical Journal Plus, 2019, 134, 1.   | 1.2 | 5         |
| 2642 | Higher Order Corrections to Spin Correlations in Top Quark Pair Production at the LHC. Physical Review Letters, 2019, 123, 082001.   | 2.9 | 45        |
| 2643 | Triple Differential Dijet Cross Section at the LHC. Physical Review Letters, 2019, 123, 102001.  | 2.9 | 19        |
| 2644 | Triple Higgs boson production to six b-jets at a 100 TeV proton collider. European Physical Journal C, 2019, 79, 1.  | 1.4 | 19        |
| 2645 | Measurements of top-quark pair differential and double-differential cross-sections in the $t\bar{t} + \text{jets}$ channel with pp collisions at $\sqrt{s} = 13$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 1.4 | 34        |
| 2646 | Modification of Jet Structure in High-Multiplicity pp Collisions due to Multiple-Parton Interactions and Observing a Multiplicity-Independent Characteristic Jet Size. Advances in High Energy Physics, 2019, 2019, 1-12.  | 0.5 | 10        |
| 2647 | Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 54        |
| 2648 | Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.  | 2.9 | 1         |
| 2649 | Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.  | 1.4 | 16        |
| 2650 | Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .  | 1.6 | 14        |
| 2651 | Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 231803.   | 2.9 | 23        |
| 2652 | -Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 232001.   | 2.9 | 10        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2653 | Longitudinal double-spin asymmetry for inclusive jet and dijet production in $pp$ collisions at $\sqrt{s} = 510$ GeV. <i>Physical Review D</i> , 2019, 100, .  | 1.6  | 30        |
| 2654 | Jet substructure at the Large Hadron Collider. <i>Reviews of Modern Physics</i> , 2019, 91, .  | 16.4 | 128       |
| 2655 | Six top messages of new physics at the LHC. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6  | 15        |
| 2656 | Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.                               | 1.6  | 14        |
| 2657 | Jet substructure at the Large Hadron Collider: A review of recent advances in theory and machine learning. <i>Physics Reports</i> , 2020, 841, 1-63.   | 10.3 | 230       |
| 2658 | Combined measurements of Higgs boson production and decay using up to $80$ fb $^{-1}$ of proton-proton collision data at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 101, .  | 2.9  | 20        |
| 2659 | Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 125, 131802.  | 2.9  | 20        |
| 2660 | Measurement of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 125, 131801.  | 2.9  | 67        |
| 2661 | Robust Jet Classifiers through Distance Correlation. <i>Physical Review Letters</i> , 2020, 125, 122001.   | 2.9  | 35        |
| 2662 | End-to-end jet classification of quarks and gluons with the CMS Open Data. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 977, 164304. | 0.7  | 20        |
| 2663 | Measurement of jet substructure observables and jet fragmentation properties using the ATLAS detector. <i>Nuclear and Particle Physics Proceedings</i> , 2020, 309-311, 1-8.   | 0.2  | 0         |
| 2664 | Measurements of inclusive and differential cross-sections of combined $t\bar{t}\gamma$ and $tW^3$ production in the $e^+e^-$ channel at 13 TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.         | 1.6  | 3         |
| 2665 | Future lepton collider prospects for a ubiquitous composite pseudoscalar. <i>Physical Review D</i> , 2020, 102, .  | 1.6  | 6         |
| 2666 | Quantum algorithms for jet clustering. <i>Physical Review D</i> , 2020, 101, .   | 1.6  | 38        |
| 2667 | Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.  | 1.6  | 17        |
| 2668 | Left-right supersymmetric option at a high-energy upgrade of the LHC. <i>Physical Review D</i> , 2020, 101, .  | 1.6  | 3         |
| 2669 | Overview of jet physics results from ALICE. <i>EPJ Web of Conferences</i> , 2020, 235, 01002.  | 0.1  | 0         |
| 2670 | Searching for diboson resonances in the boosted all-hadronic final state at $s = 13$ TeV with CMS. <i>Modern Physics Letters A</i> , 2020, 35, 2030014.  | 0.5  | 0         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2671 | Learning physics at future $e^+e^-$ colliders with machine. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 4         |
| 2672 | Jet energy drop. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 9         |
| 2673 | A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.   | 1.3 | 21        |
| 2674 | Automated evaluation of electroweak Sudakov logarithms in SHERPA. European Physical Journal C, 2020, 80, 1.  | 1.4 | 11        |
| 2675 | Precise predictions for double-Higgs production via vector-boson fusion. European Physical Journal C, 2020, 80, 1037.  | 1.4 | 8         |
| 2676 | Probing anomalous top couplings via single top production in association with the Higgs boson at the HE-LHC and FCC-hh. European Physical Journal C, 2020, 80, 1.  | 1.4 | 8         |
| 2677 | Learning the latent structure of collider events. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 41        |
| 2678 | $W^+W^-$ boson pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .   | 1.6 | 13        |
| 2679 | An explanation for the muon and electron $g-2$ anomalies and dark matter. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 35        |
| 2680 | On the impact of non-factorisable corrections in VBF single and double Higgs production. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 18        |
| 2681 | NLO QCD and EW corrections to vector-boson scattering into ZZ at the LHC. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 17        |
| 2682 | Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 14        |
| 2683 | Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 14        |
| 2684 | Search for a light pseudoscalar Higgs boson in the boosted $t\bar{t}$ , final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 23        |
| 2685 | Performance of the ATLAS muon triggers in Run 2. Journal of Instrumentation, 2020, 15, P09015-P09015.  | 0.5 | 62        |
| 2686 | The global geometrical property of jet events in high-energy nuclear collisions. European Physical Journal C, 2020, 80, 1.   | 1.4 | 5         |
| 2687 | 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        |
| 2688 | 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         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2689 | An interface between the Powheg Box and MadGraph5_aMC@NLO. European Physical Journal C, 2020, 80, 1.  | 1.4 | 0         |
| 2690 | Measurements of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{t} \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{t} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo stretchy="false" \rangle \hat{\Lambda}^- \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mover} \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$  | 2.9 | 38        |
| 2691 | Properties of Higgs Boson Interactions with Top Quarks in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{t} \langle \text{mml:mi} \rangle \langle \text{mml:mover accent="true" \rangle \langle \text{mml:mi} \rangle \text{t} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false" \rangle \hat{\Lambda}^- \langle \text{mml:mo} \rangle \langle \text{mml:mover} \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{t} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle$ | 2.9 | 40        |
| 2692 | Direct optimization of the discovery significance in machine learning for new physics searches in particle colliders. Journal of Physics: Conference Series, 2020, 1525, 012110.  | 0.3 | 5         |
| 2693 | Two-step electroweak symmetry-breaking: theory meets experiment. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 22        |
| 2694 | 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        |
| 2695 | Jet transition values for the anti- $k_{\text{t}}$ algorithm. European Physical Journal C, 2020, 80, 1.   | 1.4 | 1         |
| 2696 | Trijets in $k_{\text{T}}$ -factorisation: matrix elements vs parton shower. European Physical Journal C, 2020, 80, 1.   | 1.4 | 11        |
| 2697 | Search for the HH $\hat{\text{t}}^{\text{b}} \overline{\text{b}}$ 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        |
| 2698 | Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 10        |
| 2699 | 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        |
| 2700 | Measurement of the cross section for $\text{t} \overline{\text{t}}$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 5         |
| 2701 | Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 41        |
| 2702 | Search for Heavy Higgs Bosons Decaying into Two Tau Leptons with the ATLAS Detector Using $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msqrt} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$                | 2.9 | 97        |
| 2703 | Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 37        |
| 2704 | Higgs boson potential at colliders: Status and perspectives. Reviews in Physics, 2020, 5, 100045.   | 4.4 | 66        |
| 2705 | Searches for electroweak production of supersymmetric particles with compressed mass spectra in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msqrt} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ collisions with. Physical Review D, 2020, 101, .  | 1.6 | 80        |
| 2706 | Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.  | 0.5 | 3         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2726 | Two-Jet Correlations in Multijet Events in the Regge Limit of QCD. Physics of Particles and Nuclei, 2020, 51, 714-719.   | 0.2 | 5         |
| 2727 | Examining the event-shape-dependent modifications to charged-particle transverse momentum spectra and elliptic flow in $p$ -Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2020, 102, .                       | 1.1 | 0         |
| 2728 | 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         |
| 2729 | Anomaly detection with density estimation. Physical Review D, 2020, 101, .   | 1.6 | 128       |
| 2730 | Simulation assisted likelihood-free anomaly detection. Physical Review D, 2020, 101, .   | 1.6 | 78        |
| 2731 | Automated detector simulation and reconstruction parametrization using machine learning. Journal of Instrumentation, 2020, 15, P05025-P05025.  | 0.5 | 0         |
| 2732 | $Z$ -boson decays into an invisible dark photon at the LHC, HL-LHC, and future lepton colliders. Physical Review D, 2020, 102, .   | 1.6 | 6         |
| 2733 | Single production of vector-like bottom quark at the LHeC. European Physical Journal C, 2020, 80, 1.   | 1.4 | 10        |
| 2734 | Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .  | 1.6 | 10        |
| 2735 | Recent progress on jet substructure theory. EPJ Web of Conferences, 2020, 235, 05001.  | 0.1 | 0         |
| 2736 | Sources of multiparticle correlations – a microscopic perspective. EPJ Web of Conferences, 2020, 235, 01001.   | 0.1 | 1         |
| 2737 | Constraining new physics with single top production at LHC. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 5         |
| 2738 | On the reduction of negative weights in MC@NLO-type matching procedures. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 15        |
| 2739 | The simplest of them all: $\overline{t}W^{\pm}$ at NLO accuracy in QCD. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 24        |
| 2740 | Teaching machine learning with an application in collider particle physics. Journal of Instrumentation, 2020, 15, C09011-C09011.   | 0.5 | 2         |
| 2741 | Measurement of soft-drop jet observables in $p$ -Pb collisions with the ATLAS detector at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2020, 125, 022001.   | 1.6 | 21        |
| 2742 | Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752.                                     | 1.4 | 23        |
| 2743 | Measurements of top-quark pair spin correlations in the $t\bar{t}$ channel at $\sqrt{s} = 13$ TeV using pp collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 1.4 | 22        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2744 | NLO QCD+EW predictions for tHj and tZj production at the LHC. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 13        |
| 2745 | Studies of Charm Quark Diffusion Inside Jets Using Pb-Pb and $\sqrt{s_{NN}} = 2.76$ TeV Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001.  | 2.9 | 9         |
| 2746 | Safe use of jet pull. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 4         |
| 2747 | Recent observation and measurements of diboson processes from the ATLAS experiment. Modern Physics Letters A, 2020, 35, 2030013.  | 0.5 | 2         |
| 2748 | Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 25        |
| 2749 | JETSCAPE framework: results. Physical Review C, 2020, 102, .  |     |           |
| 2750 | Heavy dark matter through the dilaton portal. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 7         |
| 2751 | Constructing mass-decorrelated hadronic decay taggers in ATLAS. Journal of Physics: Conference Series, 2020, 1525, 012117.  | 0.3 | 0         |
| 2752 | Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.   | 0.5 | 47        |
| 2753 | Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.   | 0.5 | 84        |
| 2754 | Jet flavour classification using DeepJet. Journal of Instrumentation, 2020, 15, P12012-P12012.  | 0.5 | 77        |
| 2755 | 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        |
| 2756 | Search for decays of the 125 GeV Higgs boson into a Z boson and a $\rho$ meson. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 6         |
| 2757 | Effective LHC measurements with matrix elements and machine learning. Journal of Physics: Conference Series, 2020, 1525, 012118.  | 0.3 | 0         |
| 2758 | Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2020, 102, .   | 1.1 | 13        |
| 2759 | Next-to-leading order QCD predictions for dijet photoproduction in lepton-nucleus scattering at the future EIC and at possible LHeC, HE-LHeC, and FCC facilities. Physical Review C, 2020, 102, .   | 1.1 | 4         |
| 2760 | Measurement of the top quark Yukawa coupling from kinematic distributions in the dilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .   | 1.6 | 10        |
| 2761 | Lepton-jet correlation in deep inelastic scattering. Physical Review D, 2020, 102, .  | 1.6 | 30        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2762 | Sensing Higgs boson cascade decays through memory. Physical Review D, 2020, 102, .<br>Search for Higgs boson decays into two new low-mass spin-0 particles in the $4b\bar{b}$ channel with the ATLAS detector using $pp$ collisions at $\sqrt{s}=13$ TeV | 1.6 | 6         |
| 2763 | channel with the ATLAS detector using $pp$ collisions at $\sqrt{s}=13$ TeV   | 1.6 | 17        |
| 2764 | Tagging boosted hadronic objects with dynamical grooming. Physical Review D, 2020, 102, .  | 1.6 | 6         |
| 2765 | New collider searches for axionlike particles coupling to gluons. Physical Review D, 2020, 102, .  | 1.6 | 11        |
| 2766 | Search for Higgs Boson Decays into a Z Boson and a Light Hadronically Decaying Resonance Using $13\text{ TeV}$ $pp$ Collision Data from the ATLAS Detector. Physical Review Letters, 2020, 125, 221802.  | 2.9 | 20        |
| 2767 | Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.<br>Predictions for $Z$ -Boson Production in Association with a $b\bar{b}$ -Jet at $\sqrt{s}=13$ TeV   | 2.9 | 7         |
| 2768 |  |     |           |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2780 | Higgs boson production cross-section measurements and their EFT interpretation in the $\sqrt{s} = 13$ TeV decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2020, 80, 1. | 1.4 | 41        |
| 2781 | A non-linear EFT description of $gg \rightarrow H$ at NLO interfaced to POWHEG. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.  | 1.6 | 17        |
| 2782 | Identifying groomed jet splittings in heavy-ion collisions. <i>Physical Review C</i> , 2020, 102, .   | 1.1 | 16        |
| 2783 | Interaction networks for the identification of boosted $H \rightarrow b\bar{b}$ decays. <i>Physical Review D</i> , 2020, 102, .   | 1.6 | 37        |
| 2784 | Multi-Higgs boson probes of the dark sector. <i>Physical Review D</i> , 2020, 102, .  | 1.6 | 3         |
| 2785 | Search for resonant pair production of Higgs bosons in the $b\bar{b}Z$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .  | 1.6 | 10        |
| 2786 | Search for heavy neutral Higgs bosons produced in association with $b\bar{b}$ -quarks and decaying into $b\bar{b}$ -quarks at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .                                | 1.6 | 22        |
| 2787 | Search for a light charged Higgs boson in the $b\bar{b}Z$ decay in $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .   | 1.6 | 3         |
| 2788 | Phenomenology of the inert doublet model with a global $U(1)$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .   | 1.6 | 20        |
| 2789 | Jet-based measurements of Siverson and Collins asymmetries at the future electron-ion collider. <i>Physical Review D</i> , 2020, 102, .   | 1.6 | 35        |
| 2790 | Phenomenology of the inert doublet model with a global $U(1)$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .   | 1.6 | 9         |
| 2791 | Supervised jet clustering with graph neural networks for Lorentz boosted bosons. <i>Physical Review D</i> , 2020, 102, .  | 1.6 | 23        |
| 2792 | Electroweak top couplings, partial compositeness, and top partner searches. <i>Physical Review D</i> , 2020, 102, .   | 1.6 | 5         |
| 2793 | Light singlino dark matter at the LHC. <i>Physical Review D</i> , 2020, 102, .  | 1.6 | 17        |
| 2794 | Two-Higgs-doublet model with soft $CP$ violation confronting electric dipole moments and colliders. <i>Physical Review D</i> , 2020, 102, .   | 1.6 | 24        |
| 2795 | Search for heavy neutral Higgs bosons produced in association with $b\bar{b}$ -quarks and decaying into $b\bar{b}$ -quarks at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .                                | 1.6 | 10        |
| 2796 | Jet tagging made easy. <i>European Physical Journal C</i> , 2020, 80, 1.  | 1.4 | 9         |
| 2797 | Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.                 | 1.6 | 36        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2798 | Top quark as a probe of heavy Majorana neutrino at the LHC and future colliders. Physical Review D, 2020, 101, .   | 1.6 | 12        |
| 2799 | Search for chargino-neutralino production with mass splittings near the electroweak scale in three-lepton final states in $\sqrt{s} = 13$ TeV collisions with the ATLAS detector. Physical Review D, 2020, 101, .                          | 1.6 | 28        |
| 2800 | Experimental aspects of jet physics at a future EIC. Physical Review D, 2020, 101, .   | 1.6 | 18        |
| 2801 | Doubly charged Higgs boson production at hadron colliders. Physical Review D, 2020, 101, .   | 1.6 | 33        |
| 2802 | Nonminimal dark sectors: Mediator-induced decay chains and multijet collider signatures. Physical Review D, 2020, 101, .   | 1.6 | 11        |
| 2803 | Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 20        |
| 2804 | Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 2         |
| 2805 | Isolating color-singlet boson jets at the LHC using telescoping jet substructure. Physical Review D, 2020, 101, .  | 1.6 | 0         |
| 2806 | Search for new neutral Higgs bosons through the $\text{H} \rightarrow \text{ZA} \rightarrow \text{e}^+ \text{e}^- \text{b} \bar{\text{b}}$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 27        |
| 2807 | Jets as precision probes in electron-nucleus collisions at the future Electron-Ion Collider. Physical Review C, 2020, 101, .   | 1.1 | 33        |
| 2808 | Measurement of the Lund Jet Plane Using Charged Particles in 13 TeV Proton-Proton Collisions with the ATLAS Detector. Physical Review Letters, 2020, 124, 222002.  | 2.9 | 28        |
| 2809 | Search for vector-like T quark through th channel at $e\bar{e}$ collider. Nuclear Physics B, 2020, 955, 115058.  | 0.9 | 3         |
| 2810 | Modification of jet substructure in heavy ion collisions as a probe of the resolution length of quark-gluon plasma. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 32        |
| 2811 | Signatures of vector-like top partners decaying into new neutral scalar or pseudoscalar bosons. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 27        |
| 2812 | Search for direct pair production of supersymmetric partners to the $\tau$ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 189.  | 1.4 | 22        |
| 2813 | Search for Lepton-Flavor-Violating Decays of Bosons With the ATLAS Detector. Frontiers in Physics, 2020, 8, .  | 1.0 | 4         |
| 2814 | A tagger for strange jets based on tracking information using long short-term memory. Journal of Instrumentation, 2020, 15, P01021-P01021.   | 0.5 | 7         |
| 2815 | JEDI-net: a jet identification algorithm based on interaction networks. European Physical Journal C, 2020, 80, 1.  | 1.4 | 81        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2816 | Underlying event measurements in p+p collisions at $s=200\text{ GeV}$ at RHIC. Physical Review D, 2020, 101, .   | 1.6 | 11        |
| 2817 | Light higgsino-dominated NLSPs in semi-constrained NMSSM *. Chinese Physics C, 2020, 44, 061001.   | 1.5 | 5         |
| 2818 | Measurement of the $t\bar{t}$ production cross-section and lepton differential distributions in $\mu\mu$ dilepton events from pp collisions at $\sqrt{s}=13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2020, 80, .                | 1.4 | 26        |
| 2819 | Diphoton production in vector-boson scattering at the LHC at next-to-leading order QCD. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 6         |
| 2820 | Constraining the top quark effective field theory using the top quark pair production in association with a jet at future lepton colliders. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135469.         | 1.5 | 2         |
| 2821 | Higgs Transverse Momentum with a Jet Veto: A Double-Differential Resummation. Physical Review Letters, 2020, 124, 252001.  | 2.9 | 30        |
| 2822 | Constraining the Higgs boson valence contribution in the proton. Physical Review D, 2020, 101, .   | 1.6 | 6         |
| 2823 | Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 20        |
| 2824 | Comparative study of the forward and backward methods for calculating jet properties in pp collisions at $\sqrt{s}=7\text{ TeV}$ . Chinese Physics C, 2020, 44, 034104.  | 1.5 | 0         |
| 2825 | Search for squarks and gluinos in final states with same-sign leptons and jets using 139 fb <sup>-1</sup> of data collected with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 19        |
| 2826 | Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.                           | 1.6 | 7         |
| 2827 | Search for dijet resonances in events with an isolated charged lepton using $\sqrt{s} = 13\text{ TeV}$ proton-proton collision data collected by the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.                                      | 1.6 | 7         |
| 2828 | Measurement of electroweak production of a $W$ boson in association with two jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ . European Physical Journal C, 2020, 80, 43.   | 1.4 | 11        |
| 2829 | Jet cross sections at the LHC and the quest for higher precision. European Physical Journal C, 2020, 80, 93.   | 1.4 | 16        |
| 2830 | Exotic lepton-flavor violating Higgs decays. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 7         |
| 2831 | Enlarging the scope of resonant di-Higgs searches: hunting for Higgs-to-Higgs cascades in 4b final states at the LHC and future colliders. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 12        |
| 2832 | Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 1         |
| 2833 | The soft drop groomed jet radius at NLL. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 30        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2834 | Jet charge in high-energy nuclear collisions *. Chinese Physics C, 2020, 44, 024103.  | 1.5 | 21        |
| 2835 | Jet overlap in heavy ion collisions at energies available at the CERN Large Hadron Collider and its consequences for the jet shape. Physical Review C, 2020, 101, .<br>Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft $\tilde{l}, \tilde{\nu}_\tau$ and a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803. | 1.1 | 1         |
| 2836 | Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft $\tilde{l}, \tilde{\nu}_\tau$ and a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803.  | 2.9 | 6         |
| 2837 | Evidence for $W$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.   | 1.4 | 10        |
| 2838 | Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75.  | 1.4 | 78        |
| 2839 | Searches for physics beyond the standard model with the $M_{T2}$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 3.   | 1.4 | 70        |
| 2840 | Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.   | 1.4 | 198       |
| 2841 | Measurements of inclusive jet spectra in $p$ - $p$ and central Pb-Pb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2020, 101, .   | 1.1 | 29        |
| 2842 | Natural dark matter and light bosons with an alternative left-right symmetry. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 5         |
| 2843 | Measuring the top energy asymmetry at the LHC: QCD and SMEFT interpretations. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 7         |
| 2844 | Probing Higgs-portal dark matter with vector-boson fusion. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 13        |
| 2845 | Di-Higgs production in the $4b$ channel and gravitational wave complementarity. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 33        |
| 2846 | Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tilde{l}\tilde{l}$ , and $e\tilde{l}$ , in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 15        |
| 2847 | Constraints on the parameter space in an inert doublet model with two active doublets. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 4         |
| 2848 | A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 20        |
| 2849 | Exploring the space of jets with CMS open data. Physical Review D, 2020, 101, .   | 1.6 | 30        |
| 2850 | Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 131802.  | 2.9 | 61        |
| 2851 | 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        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2852 | On the coverage of neutralino dark matter in coannihilations at the upgraded LHC. European Physical Journal C, 2020, 80, 1.  | 1.4 | 8         |
| 2853 | Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 25        |
| 2854 | A multi-dimensional search for new heavy resonances decaying to boosted $W$ , $WZ$ , or $ZZ$ boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 237.      | 1.4 | 31        |
| 2855 | The leading jet transverse momentum in inclusive jet production and with a loose jet veto. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 5         |
| 2856 | Search for $A \rightarrow \tau^+ \tau^-$ decays. Physical Review Letters, 2020, 124, 041801.   | 1.4 | 148       |
| 2857 | Measurement of the top quark pair production cross section in dilepton final states containing one $\tau$ , lepton in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 2         |
| 2858 | Sensitivity of future hadron colliders to leptoquark pair production in the di-muon di-jets channel. European Physical Journal C, 2020, 80, 1.   | 1.4 | 28        |
| 2859 | Electroweak-QCD interference in hadronic vector bosons decays at the LHC. European Physical Journal C, 2020, 80, 1.  | 1.4 | 1         |
| 2860 | Associated $Z^{\prime}$ production in the flavorful U(1) scenario for $R_{K^{(*)}}$ . European Physical Journal C, 2020, 80, 1.  | 1.4 | 11        |
| 2861 | Higgs analysis with quantum classifiers. EPJ Web of Conferences, 2021, 251, 03070.   | 0.1 | 18        |
| 2862 | 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         |
| 2863 | Search for the lepton flavor violating decay $\tilde{\tau} \rightarrow 3\tau$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.                           | 1.6 | 3         |
| 2864 | Disentangling new physics effects on nonresonant Higgs boson pair production from gluon fusion. Physical Review D, 2021, 103, .  | 1.6 | 11        |
| 2865 | Tag Z boson jets via convolutional neural networks. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 061301-061301.  | 0.2 | 0         |
| 2866 | Search for dark matter produced in association with a leptonically decaying $Z$ boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.                       | 1.4 | 33        |
| 2867 | Implementation of the CMS-EXO-17-030 analysis in the MadAnalysis5 framework (production of a pair of $T$ )   | 0.5 | 0.784314  |
| 2868 | Mono-top signature from stop decay at the HE-LHC. Communications in Theoretical Physics, 2021, 73, 025201.   | 1.1 | 0         |
| 2869 | Searching for QCD instantons at hadron colliders. Physical Review D, 2021, 103, .  | 1.6 | 5         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2870 | Corrections to Yukawa couplings from higher dimensional operators in a natural SUSY SO(10) and HL-LHC implications. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 5         |
| 2872 | Measurement of Heavy-Flavour Correlations and Jets with ALICE at the LHC. Springer Proceedings in Physics, 2021, , 1037-1041.   | 0.1 | 0         |
| 2873 | Reframing Jet Physics with New Computational Methods. EPJ Web of Conferences, 2021, 251, 03059.   | 0.1 | 5         |
| 2874 | Accelerating End-to-End Deep Learning for Particle Reconstruction using CMS open data. EPJ Web of Conferences, 2021, 251, 03057.  | 0.1 | 2         |
| 2875 | Distributed training and scalability for the particle clustering method UCluster. EPJ Web of Conferences, 2021, 251, 02054.   | 0.1 | 0         |
| 2876 | Evidence for Higgs boson decay to a pair of muons. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 54        |
| 2877 | Single-top final states as a probe of top-flavoured dark matter models at the LHC. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 6         |
| 2878 | An Analysis of Transverse Momentum Spectra of Various Jets Produced in High Energy Collisions. Advances in High Energy Physics, 2021, 2021, 1-16.   | 0.5 | 8         |
| 2879 | The $\text{Star}\{t\}H$ Process in the Standard Model of Particle Physics. Springer Theses, 2021, , 5-39.   | 0.0 | 0         |
| 2880 | Possibility of Observing Charged Higgs in the Single Top Production Channel at LHC. International Journal of Theoretical Physics, 2021, 60, 92-105.   | 0.5 | 0         |
| 2881 | Machine Learning Using Rapidity-Mass Matrices for Event Classification Problems in HEP. Universe, 2021, 7, 19.  | 0.9 | 3         |
| 2882 | Search for top squark pair production using dilepton final states in $\text{ext}\{p\}\text{ext}\{p\}$ collision data collected at $\sqrt{s}=13,\text{ext}\{TeV\}$ . European Physical Journal C, 2021, 81, 3.   | 1.4 | 33        |
| 2884 | A data-driven event generator for Hadron Colliders using Wasserstein Generative Adversarial Network. Journal of the Korean Physical Society, 2021, 78, 482-489.   | 0.3 | 5         |
| 2885 | Use of a generalized energy Mover's distance in the search for rare phenomena at colliders. European Physical Journal C, 2021, 81, 1.   | 1.4 | 21        |
| 2886 | Distinguishing $\langle mml:msup \langle mml:mi \rangle W \langle /mml:mi \rangle \langle mml:mo \rangle \hat{\epsilon}^2 \langle /mml:mo \rangle \langle /mml:msup \rangle \langle /mml:math \rangle$ signals at hadron colliders using neural networks. Physical Review D, 2021, 103, . | 1.6 | 6         |
| 2887 | Phenomenology of a supersymmetric model inspired by inflation. European Physical Journal C, 2021, 81, 1.  | 1.4 | 7         |
| 2888 | Mapping machine-learned physics into a human-readable space. Physical Review D, 2021, 103, .  | 1.6 | 27        |
| 2889 | Medium modifications of girth distributions for inclusive jets and $Z \langle \text{sup} \rangle 0 \langle /sup \rangle + \text{jets}$ in relativistic heavy-ion collisions at the LHC *. Chinese Physics C, 2021, 45, 024102.  | 1.5 | 10        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2890 | Measurement of differential $b\bar{b}$ - and $c\bar{c}$ -dijet cross-sections in the forward region of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 4         |
| 2891 | Constraints on neutrino non-standard interactions from LHC data with large missing transverse momentum. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 5         |
| 2892 | Exotic Higgs decays into displaced jets at the LHeC. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 3         |
| 2893 | Parameter estimation using neural networks in the presence of detector effects. Physical Review D, 2021, 103, .  | 1.6 | 11        |
| 2894 | Data-driven quark- and gluon-jet modification in heavy-ion collisions. Physical Review C, 2021, 103, .   | 1.1 | 11        |
| 2895 | Search for squarks and gluinos in final states with jets and missing transverse momentum using 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 37        |
| 2896 | 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        |
| 2897 | Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13, 14$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.                                    | 1.4 | 38        |
| 2898 | Does SUSY have friends? A new approach for LHC event analysis. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 19        |
| 2899 | Search for dark matter in association with an energetic photon in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 18        |
| 2900 | Casting a graph net to catch dark showers. SciPost Physics, 2021, 10, .  | 1.5 | 34        |
| 2901 | Automating the ABCD method with machine learning. Physical Review D, 2021, 103, .  | 1.6 | 23        |
| 2902 | Jet measurements at CMS. , 2021, , .<br>Single production of vectorlike $T$ quark decaying into $Wb$ at the LHC and the future colliders. Physical Review D, 2020, 102, 054004.  |     | 0         |
| 2903 | Reconstruction and identification of $H \rightarrow WW^*$ with high transverse momentum in the full hadronic final state. Physical Review D, 2021, 103, .  | 1.6 | 9         |
| 2904 | Reconstruction and identification of $H \rightarrow WW^*$ with high transverse momentum in the full hadronic final state. Physical Review D, 2021, 103, .  | 1.6 | 1         |
| 2905 | On the reinterpretation of non-resonant searches for Higgs boson pairs. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 4         |
| 2906 | The very forward CASTOR calorimeter of the CMS experiment. Journal of Instrumentation, 2021, 16, P02010-P02010.  | 0.5 | 10        |
| 2907 | Multi-lepton signatures of vector-like leptons with flavor. European Physical Journal C, 2021, 81, 1.  | 1.4 | 29        |





| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2926 | Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV using effective field theory. Journal of High Energy Physics, 2021, 2021, 1.                                  | 1.6 | 12        |
| 2927 | Jet tagging in the Lund plane with graph networks. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 36        |
| 2928 | EFT for soft drop double differential cross section. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 9         |
| 2929 | Jet radiation in a longitudinally expanding medium. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 10        |
| 2930 | 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        |
| 2931 | Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 5         |
| 2932 | Exploring jet substructure in semi-visible jets. SciPost Physics, 2021, 10, .   | 1.5 | 10        |
| 2933 | Search for new phenomena in events with two opposite-charge leptons, 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 | 22        |
| 2934 | Equivariant energy flow networks for jet tagging. Physical Review D, 2021, 103, .   | 1.6 | 19        |
| 2935 | Dynamic jet charge. Physical Review D, 2021, 103, .   | 1.6 | 7         |
| 2936 | Search for pair production of scalar leptoquarks decaying into first- or second-generation leptons and top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 1.4 | 18        |
| 2937 | Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.             | 1.6 | 28        |
| 2938 | Top-quark mass determination from t-channel single top production at the LHC. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 1         |
| 2939 | Enhancing searches for resonances with machine learning and moment decomposition. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 9         |
| 2940 | Charm jets as a probe for strangeness at the future Electron-Ion Collider. Physical Review D, 2021, 103, .  | 1.6 | 13        |
| 2941 | New flavor physics in di- and trilepton events from single-top production at the LHC and beyond. Physical Review D, 2021, 103, .  | 1.6 | 9         |
| 2942 | Development and validation of HERWIG++ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.  | 1.4 | 12        |
| 2943 | Measurement of the CP-violating phase $\phi_s$ in $B_{s^0} \rightarrow J/\psi \phi$ decays in ATLAS at 13 TeV. European Physical Journal C, 2021, 81, .   | 1.4 | 13        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2944 | Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. <i>European Physical Journal C</i> , 2021, 81, 1.   | 1.4 | 15        |
| 2945 | Impact of scale, nuclear PDF and temperature variations on the interpretation of medium-modified jet production data from the LHC. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6 | 2         |
| 2946 | Probing $tqZ$ anomalous couplings in the trilepton signal at the HL-LHC, HE-LHC, and FCC-hh *. <i>Chinese Physics C</i> , 2021, 45, 043110.  | 1.5 | 9         |
| 2947 | Combined NLO EW and QCD corrections to off-shell $t\bar{t}$ production at the LHC. <i>European Physical Journal C</i> , 2021, 81, 1.   | 1.4 | 17        |
| 2948 | Reconstructing boosted Higgs jets from event image segmentation. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6 | 8         |
| 2949 | Combine and conquer: event reconstruction with Bayesian Ensemble Neural Networks. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.   | 1.6 | 16        |
| 2950 | Simplified fast detector simulation in MadAnalysis5. <i>European Physical Journal C</i> , 2021, 81, 1.   | 1.4 | 29        |
| 2951 | Searching for GeV-scale Majorana Dark Matter: inter spem et metum. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6 | 9         |
| 2952 | Precision SMEFT bounds from the VBF Higgs at high transverse momentum. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6 | 12        |
| 2953 | Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- \gamma Z$ final states using 139 fb <sup>-1</sup> of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2021, 81, 1. | 1.4 | 40        |
| 2954 | Precision from the diphoton Zh channel at FCC-hh. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.   | 1.6 | 4         |
| 2955 | Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 378.   | 1.4 | 40        |
| 2956 | Jas4pp – A data-analysis framework for physics and detector studies. <i>Computer Physics Communications</i> , 2021, 262, 107857.   | 3.0 | 0         |
| 2957 | Search for the singlet vector-like lepton at future $e^+e^-$ colliders. <i>European Physical Journal C</i> , 2021, 81, 1.  | 1.4 | 7         |
| 2958 | The electro-weak phase transition at colliders: confronting theoretical uncertainties and complementary channels. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.   | 1.6 | 16        |
| 2959 | Vector-Boson scattering at the LHC: Unraveling the electroweak sector. <i>International Journal of Modern Physics A</i> , 2021, 36, 2130009.   | 0.5 | 22        |
| 2960 | Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2021, 16, P05014.   | 0.5 | 62        |
| 2961 | Highly boosted Higgs bosons and unitarity in vector-boson fusion at future hadron colliders. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6 | 4         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 2962 | Long- and short-range correlations and their event-scale dependence in high-multiplicity pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 5         |
| 2963 | Top-quark pair production in association with a $W$ gauge boson in the POWHEG-BOX. Physical Review D, 2021, 103, .  | 1.6 | 16        |
| 2964 | Measurement of b jet shapes in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 4         |
| 2965 | First measurement of large area jet transverse momentum spectra in heavy-ion collisions. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 11        |
| 2966 | Unsupervised clustering for collider physics. Physical Review D, 2021, 103, .   | 1.6 | 22        |
| 2967 | More light on Higgs flavor at the LHC: Higgs boson couplings to light quarks through $h \rightarrow q \bar{q} \gamma$ production. Physical Review D, 2021, 103, .   | 1.6 | 7         |
| 2968 | Search for new phenomena in final states with b-jets and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 18        |
| 2969 | Study of Drell-Yan dimuon production in proton-lead collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 3         |
| 2970 | NNLO QCD corrections to leptonic observables in top-quark pair production and decay. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 35        |
| 2971 | QCD evolution of the gluon Sivers function in heavy flavor dijet production at the Electron-Ion Collider. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 9         |
| 2972 | Explainable AI for ML jet taggers using expert variables and layerwise relevance propagation. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 10        |
| 2973 | Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2021, 103, .   | 1.6 | 16        |
| 2974 | Topping-up multilepton plus b-jets anomalies at the LHC with a $Z$ boson. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 4         |
| 2975 | Resonant third-generation leptoquark signatures at the Large Hadron Collider. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 24        |
| 2976 | Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $bb \rightarrow WW$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.   | 1.4 | 26        |
| 2977 | New bounds on light sneutrino masses: Rare SUSY signals. Physical Review D, 2021, 103, .  | 1.6 | 4         |
| 2978 | Triple Higgs boson production at the Large Hadron Collider with Two Real Singlet scalars. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 6         |
| 2979 | Measurements of the differential cross sections of the production of Z + jets and $\hat{t}^3$ + jets and of Z boson emission collinear with a jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 2         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 2980 | QGP modification to single inclusive jets in a calibrated transport model. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 22        |
| 2981 | In-medium modification of dijets in PbPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 5         |
| 2982 | Measurement of the Z boson differential production cross section using its invisible decay mode ( $Z \rightarrow \nu\bar{\nu}$ ). Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 2         |
| 2983 | A genuine fermionic quintuplet seesaw model: phenomenological introduction. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 5         |
| 2984 | Search for doubly and singly charged Higgs bosons decaying into vector bosons in multi-lepton final states with the ATLAS detector using proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 23        |
| 2985 | Learning from many collider events at once. Physical Review D, 2021, 103, .  | 1.6 | 17        |
| 2986 | Search for new phenomena in events with an energetic jet and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 103, .  | 1.6 | 64        |
| 2987 | Search for trilepton resonances from chargino and neutralino pair production in $s = 13$ TeV $pp$ collisions with the ATLAS detector. Physical Review D, 2021, 103, .  | 1.6 | 2         |
| 2988 | Applications of $p_T$ - $x_R$ Variables in Describing Inclusive Cross Sections at the LHC. Universe, 2021, 7, 196.   | 0.9 | 0         |
| 2989 | Physics potential of a muon-proton collider. Physical Review D, 2021, 103, .   | 1.6 | 12        |
| 2990 | A final word on FCNC-Baryogenesis from two Higgs doublets. SciPost Physics, 2021, 10, .  | 1.5 | 6         |
| 2991 | A fully differential SMEFT analysis of the golden channel using the method of moments. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 9         |
| 2992 | Yukawa coupling unification in an SO(10) model consistent with Fermilab $(g \hat{=} 2)^{1/4}$ result. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 17        |
| 2993 | Top and beauty synergies in SMEFT-fits at present and future colliders. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 28        |
| 2994 | Measurements of $W+W\bar{\nu} + \text{jet}$ production cross-sections in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 8         |
| 2995 | Boosted Higgs boson jet reconstruction via a graph neural network. Physical Review D, 2021, 103, .   | 1.6 | 18        |
| 2996 | Radial profile of bottom quarks in jets in high-energy nuclear collisions *. Chinese Physics C, 2021, 45, 064105.  | 1.5 | 6         |
| 2997 | Search for charged Higgs bosons decaying into a top quark and a bottom quark at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 46        |

| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 2998 | Probing the Weinberg operator at colliders. <i>Physical Review D</i> , 2021, 103, .  | 1.6  | 18        |
| 2999 | Secondary vertex finding in jets with neural networks. <i>European Physical Journal C</i> , 2021, 81, 1.   | 1.4  | 10        |
| 3000 | Electroweak $tt\bar{t}$ hadroproduction in the presence of heavy $Z\tilde{\nu}^2$ and $W\tilde{\nu}^2$ bosons at NLO QCD in POWHEG. <i>Physical Review D</i> , 2021, 103, .  | 1.6  | 1         |
| 3001 | Analysis-Specific Fast Simulation at the LHC with Deep Learning. <i>Computing and Software for Big Science</i> , 2021, 5, 15.  | 1.3  | 7         |
| 3002 | Minimal and nonminimal universal extra dimension models in the light of LHC data at $13\text{ÅTeV}$ . <i>Physical Review D</i> , 2021, 103, .  | 1.6  | 3         |
| 3003 | Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . <i>European Physical Journal C</i> , 2021, 81, 488.                               | 1.4  | 35        |
| 3004 | Time reclustering for jet quenching studies. <i>European Physical Journal C</i> , 2021, 81, 1.   | 1.4  | 14        |
| 3005 | Extraction of neutrino Yukawa parameters from displaced vertices of sneutrinos. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.   | 1.6  | 3         |
| 3006 | Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s}=13, \text{ext } \{\text{TeV}\}$ . <i>European Physical Journal C</i> , 2021, 81, 1.                                      | 1.4  | 14        |
| 3007 | Kinematic corrections and reconstruction methods for neutral Higgs boson decay to $b\bar{b}$ in 2HDM type I at future lepton colliders. <i>Physical Review D</i> , 2021, 103, .  | 1.6  | 2         |
| 3008 | Vector bosons and jets in proton collisions. <i>Reviews of Modern Physics</i> , 2021, 93, .  | 16.4 | 5         |
| 3009 | Autoencoders for unsupervised anomaly detection in high energy physics. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.   | 1.6  | 45        |
| 3010 | Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\tilde{l}_\tau$ -lepton in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2021, 2021, 1. | 1.6  | 27        |
| 3011 | Search for charged-lepton-flavour violation in Z-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021, 17, 819-825.  | 6.5  | 8         |
| 3012 | Global electroweak symmetric vacuum. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6  | 8         |
| 3013 | Test of the universality of $\tilde{l}_\tau$ , and $\hat{1}/4$ lepton couplings in W-boson decays with the ATLAS detector. <i>Nature Physics</i> , 2021, 17, 813-818.  | 6.5  | 15        |
| 3014 | Dynamical Grooming meets LHC data. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.  | 1.6  | 9         |
| 3015 | Soft-drop grooming for hadronic event shapes. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.   | 1.6  | 9         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3016 | Comparing weak- and unsupervised methods for resonant anomaly detection. European Physical Journal C, 2021, 81, 1.   | 1.4 | 26        |
| 3017 | Search for single production of vectorlike top partners through th channel at the HE-LHC and FCC-hh. European Physical Journal C, 2021, 81, 1.   | 1.4 | 4         |
| 3018 | NLO QCD corrections to off-shell $t\bar{t}W^{\pm}$ production at the LHC: correlations and asymmetries. European Physical Journal C, 2021, 81, 1.  | 1.4 | 15        |
| 3019 | Search for New Resonances Coupling to Third Generation Quarks at CMS. Physics of Atomic Nuclei, 2021, 84, 550-557.   | 0.1 | 0         |
| 3020 | Search for supersymmetry in events with four or more charged leptons in $139\text{ fb}^{-1}$ of $\sqrt{s} = 13\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 12        |
| 3021 | Determination of the parton distribution functions of the proton from ATLAS measurements of differential $W_{\pm}$ and Z boson production in association with jets. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 10        |
| 3022 | Quantum-inspired machine learning on high-energy physics data. Npj Quantum Information, 2021, 7, .   | 2.8 | 14        |
| 3023 | Anti- $k_T$ jet function at next-to-next-to-leading order. Physical Review D, 2021, 104, .   | 1.6 | 7         |
| 3024 | How to discover QCD Instantons at the LHC. European Physical Journal C, 2021, 81, 1.   | 1.4 | 5         |
| 3025 | A search for the decays of stopped long-lived particles at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 5         |
| 3026 | Point cloud transformers applied to collider physics. Machine Learning: Science and Technology, 2021, 2, 035027.   | 2.4 | 19        |
| 3027 | Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2021, 2021, 1.                                   | 1.6 | 27        |
| 3028 | Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13\text{ TeV}$ . European Physical Journal C, 2021, 81, 1.                                    | 1.4 | 82        |
| 3029 | Framing energetic top-quark pair production at the LHC. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 3         |
| 3030 | Contact interactions and top-philic scalar dark matter. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 4         |
| 3031 | The Production of Gauge Bosons Pairs $W^+W^-$ Associated with 0, 1, and 2 Jets in Proton-Proton Collisions at LHC. Physics of Particles and Nuclei Letters, 2021, 18, 398-407.                                     | 0.1 | 1         |
| 3032 | Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Physical Review D, 2021, 104, .   | 1.6 | 25        |
| 3033 | Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1.    | 1.4 | 13        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3034 | Jet angularities in Z+jet production at the LHC. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 25        |
| 3035 | Leading jets and energy loss. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 10        |
| 3036 | MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 629.  | 1.4 | 18        |
| 3037 | Jet mass distribution in Higgs/vector boson + jet events at hadron colliders with $\{\{\text{varvec}\{k\}\}\}_{\{\{\text{varvec}\{t\}\}\}}$ clustering. European Physical Journal C, 2021, 81, 1.                      | 1.4 | 5         |
| 3038 | Disentangling boosted Higgs Boson production modes with machine learning. Journal of Instrumentation, 2021, 16, P07002.  | 0.5 | 8         |
| 3039 | Probing QCD with LHCb. International Journal of Modern Physics A, 2021, 36, 2130011.   | 0.5 | 0         |
| 3040 | Searching in 2-Dimensional mass space for final states with 2 invisible particles. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 0         |
| 3041 | Differential $\sigma(\text{W}^+\text{W}^-)$ Cross Section Ratios for $\sigma(\text{W})$ Plus Jet Production in $\text{pp}$ Collisions Through (N)NLO in QCD. Physics of Atomic Nuclei, 2021, 84, 483-491.              | 0.1 | 0         |
| 3042 | Hunting BFKL in semi-hard reactions at the LHC. European Physical Journal C, 2021, 81, 1.  | 1.4 | 27        |
| 3043 | Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 1.4 | 3         |
| 3044 | Nanosecond machine learning event classification with boosted decision trees in FPGA for high energy physics. Journal of Instrumentation, 2021, 16, P08016.  | 0.5 | 9         |
| 3045 | $\sigma(\text{t}\bar{\text{t}})$ at the LHC: on the size of corrections and b-jet definitions. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 14        |
| 3046 | Performance of the High-Level Trigger System at CMS in LHC Run-2. IEEE Transactions on Nuclear Science, 2021, 68, 2035-2042.   | 1.2 | 1         |
| 3047 | Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$ . Physical Review D, 2021, 104, .                  | 1.6 | 4         |
| 3048 | Triggering on emerging jets. Physical Review D, 2021, 104, .   | 1.6 | 13        |
| 3049 | Anomaly detection with convolutional Graph Neural Networks. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 41        |
| 3050 | Pulling the Higgs and top needles from the jet stack with feature extended supervised tagging. European Physical Journal C, 2021, 81, 1.   | 1.4 | 1         |
| 3051 | Four-lepton production in gluon fusion at NLO matched to parton showers. European Physical Journal C, 2021, 81, 1.   | 1.4 | 12        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3052 | Looking for a vectorlike $B$ quark at the LHC using jet substructure. Physical Review D, 2021, 104, .  | 1.6 | 9         |
| 3053 | What the Fermilab muon $g$ experiment tells us about discovering supersymmetry at high luminosity and high energy upgrades to the LHC. Physical Review D, 2021, 104, .   | 1.6 | 32        |
| 3054 | Simulation-assisted decorrelation for resonant anomaly detection. Physical Review D, 2021, 104, .  | 1.6 | 34        |
| 3055 | Tau Identification With Deep Neural Networks at the CMS Experiment. IEEE Transactions on Nuclear Science, 2021, 68, 2194-2200.   | 1.2 | 1         |
| 3056 | 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        |
| 3057 | Search for a heavy vector resonance decaying to a $Z$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.  | 1.4 | 9         |
| 3058 | Hard color-singlet exchange in dijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .  | 1.6 | 3         |
| 3059 | Anomalous jet identification via sequence modeling. Journal of Instrumentation, 2021, 16, P08012.  | 0.5 | 14        |
| 3060 | Precise limits on the charge- $2$ stretchy="false"/></mml:mo><mml:mn>3</mml:mn></mml:math> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>U</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:math> vector leptoquark. Physical Review D, 2021, 104, . | 1.6 | 23        |
| 3061 | Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 723.   | 1.4 | 19        |
| 3062 | Quantum-inspired event reconstruction with Tensor Networks: Matrix Product States. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 7         |
| 3063 | Maximum performance of strange-jet tagging at hadron colliders. Journal of Instrumentation, 2021, 16, P08039.  | 0.5 | 5         |
| 3064 | Search for lepton-flavor violating decays of the Higgs boson in the $1/4$ and $1/2$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .   | 1.6 | 25        |
| 3065 | Measurements of the inclusive and differential production cross sections of a top-quark-antiquark pair in association with a $Z$ boson at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.   | 1.4 | 12        |
| 3066 | Unsupervised event classification with graphs on classical and photonic quantum computers. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 19        |
| 3067 | Asymmetric jet clustering in deep-inelastic scattering. Physical Review D, 2021, 104, .  | 1.6 | 13        |
| 3068 | Dark matter, $Z\epsilon^2$ , and vector-like quark at the LHC and $b \rightarrow s 1/4$ anomaly *. Chinese Physics C, 2021, 45, 083105.  | 1.5 | 5         |
| 3069 | Signatures of toponium formation in LHC run 2 data. Physical Review D, 2021, 104, .  | 1.6 | 6         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3070 | Optimising simulations for diphoton production at hadron colliders using amplitude neural networks. Journal of High Energy Physics, 2021, 2021, 1.                          | 1.6 | 13        |
| 3071 | Single production of vector-like quarks: the effects of large width, interference and NLO corrections. Journal of High Energy Physics, 2021, 2021, 1.                       | 1.6 | 23        |
| 3072 | Search for bottom-squark pair production in $pp$ collision events at $\sqrt{s} > 13$ TeV with hadronically decaying $\tilde{g}$ production. Physica Scripta, 2021, 2021, 1. | 1.6 | 4         |
| 3073 | Tagging the initial-state gluon. European Physical Journal C, 2021, 81, 1.  | 1.4 | 7         |
| 3074 | Parameter inference from event ensembles and the top-quark mass. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 4         |
| 3075 | Probing the triple Higgs boson coupling with machine learning at the LHC. Physical Review D, 2021, 104, .   | 1.6 | 10        |
| 3076 | New physics explanations of $a_{\mu}^{\text{new}}$ in light of the FNAL muon $g - 2$ measurement. Journal of High Energy Physics, 2021, 2021, 1.                            | 1.6 | 140       |
| 3077 | Searching for pseudo Nambu-Goldstone boson dark matter production in association with top quarks. Journal of High Energy Physics, 2021, 2021, 1.                            | 1.6 | 8         |
| 3078 | Probing magnetic moment operators in $pp$ production and $\tilde{g} \rightarrow q\bar{q}$ rare decay *. Chinese Physics C, 2021, 45, 093108.                                | 1.5 | 3         |
| 3079 | Better latent spaces for better autoencoders. SciPost Physics, 2021, 11, .  | 1.5 | 30        |
| 3080 | Search for the singlet vectorlike lepton in semileptonic channel at future $pp$ colliders. Physical Review D, 2021, 104, .  | 1.6 | 5         |
| 3081 | Beautiful and charming chromodipole moments. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 7         |
| 3082 | Heavy quark jet production near threshold. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 4         |
| 3083 | NNLO soft function for threshold single inclusive jet production. Physical Review D, 2021, 104, .   | 1.6 | 0         |
| 3084 | Double parton scattering in four-jet production in proton-proton collisions at the LHC. Physical Review D, 2021, 104, .   | 1.6 | 5         |
| 3085 | New physics and two boosted $W$ -jets plus missing energy *. Chinese Physics C, 2021, 45, 093109.   | 1.5 | 0         |
| 3086 | Differential distributions for single top quark production at the LHeC. Physical Review D, 2021, 104, .   | 1.6 | 3         |
| 3087 | Full NLO QCD corrections to off-shell $pp \rightarrow t\bar{t}b\bar{b}$ production. Physica Scripta, 2021, 2021, 1.   | 1.6 | 12        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3089 | Leptophilic composite asymmetric dark matter and its detection. Physical Review D, 2021, 104, .   | 1.6 | 10        |
| 3090 | Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state. Physical Review D, 2021, 104, .           | 1.6 | 16        |
| 3091 | Model-Independent Searches for New Physics in Multi-Body Invariant Masses. Universe, 2021, 7, 333.  | 0.9 | 2         |
| 3092 | Probing mild-tempered neutralino dark matter through top-squark production at the LHC. Physical Review D, 2021, 104, .  | 1.6 | 3         |
| 3093 | Top-philic heavy resonances in four-top final states and their EFT interpretation. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 11        |
| 3094 | Search for long-lived particles decaying to jets with displaced vertices in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .                          | 1.6 | 8         |
| 3095 | Measurements of angular distance and momentum ratio distributions in three-jet and $Z$ + two-jet final states in $pp$ collisions. European Physical Journal C, 2021, 81, 852.         | 1.4 | 2         |
| 3096 | Automated EW corrections with isolated photons: $t\bar{t}\gamma$ , $t\bar{t}\gamma\gamma$ and $t\bar{t}j$ as case studies. Journal of High Energy Physics, 2021, 2021, 1.             | 1.6 | 11        |
| 3097 | Higgs boson tagging with the Lund jet plane. Physical Review D, 2021, 104, .  | 1.6 | 16        |
| 3098 | Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .                                   | 1.6 | 20        |
| 3099 | Exotic diboson $ZZ'$ decays in the $U(1)_{\mu\nu}$ SSM. European Physical Journal C, 2021, 81, 1.   | 1.4 | 5         |
| 3100 | Search for New Phenomena in Final States with Two Leptons and One or No $b$ -Tagged Jets at $\sqrt{s} = 13$ TeV Using the ATLAS Detector. Physical Review Letters, 2021, 127, 141801. | 2.9 | 14        |
| 3101 | Search for dark matter produced in association with a single top quark in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.      | 1.4 | 9         |
| 3102 | TMD evolution and multi-jet merging. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 822, 136700.   | 1.5 | 17        |
| 3103 | Event Samples and Selection. Springer Theses, 2021, , 111-142.  | 0.0 | 0         |
| 3104 | Implementation of the CMS-EXO-19-002 search in the MadAnalysis5 framework (physics). Tj ETQq1 1 0.784314 rgBT /Ove  | 0.5 | 0         |
| 3105 | Measurements of $WZ$ and $ZZ$ cross sections and their ratios in $pp$ collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .  | 1.6 | 12        |
| 3106 | End-to-End Jet Classification of Boosted Top Quarks with CMS Open Data. EPJ Web of Conferences, 2021, 251, 04030.   | 0.1 | 4         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3107 | Tag N <sup>TM</sup> Train: a technique to train improved classifiers on unlabeled data. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 45        |
| 3108 | 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        |
| 3109 | Implementation of the ATLAS-SUSY-2018-04 analysis in the MadAnalysis5 framework (status in the di-tau) Tj ETQq0.0 0 rgBT <sub>2</sub> /Overlock  | 0.5 | 0         |
| 3110 | Experimental Setup. Springer Theses, 2021, , 41-72.  | 0.0 | 0         |
| 3111 | Finding new physics without learning about it: anomaly detection as a tool for searches at colliders. European Physical Journal C, 2021, 81, 1.  | 1.4 | 39        |
| 3112 | Search for phenomena beyond the Standard Model in events with large b-jet multiplicity using the ATLAS detector at the LHC. European Physical Journal C, 2021, 81, 1.  | 1.4 | 5         |
| 3115 | 6.4 Jet quenching. Landolt-B <sup>^</sup> sch <sup>^</sup> ,rnstein - Group I Elementary Particles, Nuclei and Atoms, 2010, , 471-520.   | 0.2 | 28        |
| 3116 | Jet Quenching in Heavy Ion Collisions. Landolt-B <sup>^</sup> sch <sup>^</sup> ,rnstein - Group I Elementary Particles, Nuclei and Atoms, 2010, , 521-562.   | 0.2 | 18        |
| 3117 | High-pT Hadron Suppression and Jet Quenching. Lecture Notes in Physics, 2009, , 285-339.   | 0.3 | 24        |
| 3118 | Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.                  | 1.6 | 26        |
| 3119 | Strongly interacting dark sectors in the early Universe and at the LHC through a simplified portal. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 29        |
| 3120 | Jets with electrons from boosted top quarks. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 7         |
| 3121 | Measurement of the ( $\overline{t}$ ) production cross section in the dilepton channel in pp collisions at ( $\sqrt{s}$ ) = 8 TeV. , 2014, 2014, 1.  |     | 3         |
| 3122 | Measurement of the inclusive jet cross-section in proton-proton collisions at ( $\sqrt{s}=7$ ) TeV using 4.5 fb <sup>-1</sup> of data with the ATLAS detector. , 2015, 2015, 1.  |     | 3         |
| 3123 | Hadron-in-jet production at partonic threshold. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 3         |
| 3124 | NNLO QCD + NLO EW with Matrix+OpenLoops: precise predictions for vector-boson pair production. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 43        |
| 3125 | A long-lived stop with freeze-in and freeze-out dark matter in the hidden sector. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 7         |
| 3126 | Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.                           | 1.6 | 23        |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3127 | Search for new resonances in mass distributions of jet pairs using 139 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 68        |
| 3128 | Off-shell vs on-shell modelling of top quarks in photon associated production. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 19        |
| 3129 | Diffraction dijet photoproduction at the EIC. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 6         |
| 3130 | MiNNLOPS: a new method to match NNLO QCD to parton showers. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 53        |
| 3131 | On the ATLAS top mass measurements and the potential for stealth stop contamination. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 4         |
| 3132 | Collinear drop. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 15        |
| 3133 | Scalar mass dependence of angular variables in $\phi$ production. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 5         |
| 3134 | The hidden geometry of particle collisions. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 29        |
| 3135 | A new precision process at FCC-hh: the diphoton leptonic Wh channel. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 6         |
| 3136 | A singular way to search for heavy resonances in missing energy events. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 4         |
| 3137 | Neural network-based top tagger with two-point energy correlations and geometry of soft emissions. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 19        |
| 3138 | Composite dark matter phenomenology in the presence of lighter degrees of freedom. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 14        |
| 3139 | Leptonic scalars at the LHC. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 18        |
| 3140 | Cornering natural SUSY at LHC Run II and beyond. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 25        |
| 3141 | Triggering long-lived particles in HL-LHC and the challenges in the first stage of the trigger system. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 18        |
| 3142 | Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.   |     | 6         |
| 3143 | Towards machine learning analytics for jet substructure. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 24        |
| 3145 | Associated production of a Higgs boson decaying into bottom quarks and a weak vector boson decaying leptonically at NNLO in QCD. Journal of High Energy Physics, 2019, 2019, 1.                         | 1.6 | 26        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3146 | Transverse momentum dependent distributions in $e+e^{\prime}$ and semi-inclusive deep-inelastic scattering using jets. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 42        |
| 3147 | Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.                                      | 1.6 | 13        |
| 3148 | The minimal stealth boson: models and benchmarks. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 11        |
| 3149 | Single-jet inclusive rates with exact color at $\mathcal{O}(\alpha_s^4)$ . Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 47        |
| 3150 | Deciphering the $\gamma$ distribution in ultrarelativistic heavy ion collisions. Journal of High Energy Physics, 2019, 2019, 1.   | 1.6 | 39        |
| 3151 | Novel flavour-changing neutral currents in the top quark sector. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 3         |
| 3152 | 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        |
| 3153 | Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 24        |
| 3154 | Fixed-order and merged parton-shower predictions for $WW$ and $WWj$ production at the LHC including NLO QCD and EW corrections. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 14        |
| 3155 | Calculating the primary Lund Jet Plane density. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 20        |
| 3156 | Model-independent constraints with extended dark matter EFT. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 7         |
| 3157 | Signal versus background interference in $H \rightarrow \overline{b}b$ signals for MSSM benchmark scenarios. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 1         |
| 3158 | Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV. , 2011, 2011, 1.   |     | 5         |
| 3159 | Towards constraining dark matter at the LHC: higher order QCD predictions for $t\overline{t} + Z$ ( $Z \rightarrow \tau^+\tau^-$ , " $\overline{\nu}\nu$ ", " $\gamma\gamma$ "). Journal of High Energy Physics, 2019, 2019, 1. | 1.6 | 18        |
| 3160 | Resummation of boson-jet correlation at hadron colliders. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 31        |
| 3161 | Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 1.6 | 4         |
| 3162 | RIP $H \rightarrow \overline{b}b$ : how other Higgs production modes conspire to kill a rare signal at the LHC. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 12        |
| 3163 | Indirect $\mathcal{CP}$ probes of the Higgs-top-quark interaction: current LHC constraints and future opportunities. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 16        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3164 | Reconstruction and identification of boosted di- $\tau$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.                     | 1.6 | 8         |
| 3165 | Maximally symmetric two Higgs doublet model with natural standard model alignment. , 2014, 2014, 1.  |     | 1         |
| 3166 | Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13 \sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1. | 1.6 | 8         |
| 3167 | Automated simulations beyond the Standard Model: supersymmetry. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 17        |
| 3168 | On the phenomenology of sphaleron-induced processes at the LHC and beyond. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 8         |
| 3169 | Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.  | 1.6 | 28        |
| 3170 | Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.                            | 1.6 | 15        |
| 3171 | Testing non-standard sources of parity violation in jets at the LHC, trialled with CMS Open Data. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.   | 1.6 | 10        |
| 3172 | Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.   | 1.6 | 8         |
| 3173 | Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.                             | 1.6 | 13        |
| 3174 | Higgs self-coupling measurements using deep learning in the $\overline{b}b$ final state. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.  | 1.6 | 14        |
| 3175 | Accurate single- and double-differential resummation of colour-singlet processes with MATRIX+RADISH: $W+W\bar{a}$ production at the LHC. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.                                  | 1.6 | 28        |
| 3176 | Central exclusive production of W boson pairs in pp collisions at the LHC in hadronic and semi-leptonic final states. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.   | 1.6 | 5         |
| 3177 | Prospects of non-resonant di-Higgs searches and Higgs boson self-coupling measurement at the HE-LHC using machine learning techniques. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.                                    | 1.6 | 8         |
| 3178 | Searching for long-lived particles beyond the Standard Model at the Large Hadron Collider. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 090501.   | 1.4 | 133       |
| 3179 | Novel tools and observables for jet physics in heavy-ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2020, 47, 065102.   | 1.4 | 42        |
| 3180 | Containment and resolution of hadronic showers at the FCC. <i>Journal of Instrumentation</i> , 2016, 11, P09012-P09012.  | 0.5 | 5         |
| 3181 | Studies of correlations between measurements of jet observables. <i>Journal of Instrumentation</i> , 2017, 12, P04013-P04013.  | 0.5 | 4         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3202 | Measurement of single-diffractive dijet production in proton–proton collisions at $\sqrt{s} = 8, \text{ext}\{T\}\text{ext}\{V\}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.   | 1.4 | 5         |
| 3203 | Measuring the Higgs self-coupling via Higgs-pair production at a 100 TeV p–p collider. European Physical Journal C, 2020, 80, 1.  | 1.4 | 23        |
| 3204 | Invisible Higgs search through vector boson fusion: a deep learning approach. European Physical Journal C, 2020, 80, 1.   | 1.4 | 12        |
| 3205 | Constraining top-quark couplings combining top-quark and $\text{B}$ decay observables. European Physical Journal C, 2020, 80, 1.  | 1.4 | 23        |
| 3206 | Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton–proton collisions at $\sqrt{s} = 13$ $\text{ext}\{T\}\text{ext}\{V\}$ . European Physical Journal C, 2020, 80, 370.  | 1.4 | 22        |
| 3207 | Measurement of $\text{t}$ -normalised multi-differential cross sections in $\text{pp}$ collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$ , and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1. | 1.4 | 33        |
| 3208 | A universal framework for t-channel dark matter models. European Physical Journal C, 2020, 80, 1.   | 1.4 | 24        |
| 3209 | Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13\text{-}\text{mathrm}\{TeV\}$ and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 1.4 | 21        |
| 3210 | Search for a scalar partner of the top quark in the all-hadronic $\text{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13\text{Å}TeV$ with the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 1.4 | 36        |
| 3211 | On the breaking of Casimir scaling in jet quenching. European Physical Journal C, 2020, 80, 1.  | 1.4 | 3         |
| 3212 | Parton-shower effects in Higgs production via vector-boson fusion. European Physical Journal C, 2020, 80, 1.  | 1.4 | 18        |
| 3213 | Phenomenology of NNLO jet production at the LHC and its impact on parton distributions. European Physical Journal C, 2020, 80, 1.   | 1.4 | 26        |
| 3214 | The effective field theory of low scale see-saw at colliders. European Physical Journal C, 2020, 80, 1.   | 1.4 | 13        |
| 3215 | A framework for hadronic rescattering in pp collisions. European Physical Journal C, 2020, 80, 1.   | 1.4 | 21        |
| 3216 | Study of interference effects in the search for flavour-changing neutral current interactions involving the top quark and a photon or a Z boson at the LHC. European Physical Journal Plus, 2020, 135, 1.   | 1.2 | 5         |
| 3217 | ABCNet: an attention-based method for particle tagging. European Physical Journal Plus, 2020, 135, 463.   | 1.2 | 44        |
| 3218 | Implementation of the ATLAS-EXOT-2018-030 analysis in the MadAnalysis5 framework ( $W^{\pm 2}$ boson into a) Tj ETQq0 0 0 rgBT /Overlo  | 0.5 | 1         |
| 3219 | Implementation of the CMS-EXO-17-015 analysis in the MadAnalysis5 framework (leptoquark and dark) Tj ETQq1 1 0.784314 rgBT /Ov  | 0.5 | 4         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3220 | Implementation of the ATLAS-SUSY-2018-32 analysis (sleptons and electroweakinos with two leptons) Tj ETQq0 0 0.5 rgBT /Overlock 10 T   | 0.5 | 4         |
| 3221 | Implementation of the CMS-TOP-18-003 analysis in the MadAnalysis5 framework (four top quarks with) Tj ETQq1 1 0.784314 rgBT /Dv  | 0.5 | 2         |
| 3222 | Implementation of the ATLAS-SUSY-2018-31 analysis in the <scp>MadAnalysis5</scp> framework (sbottoms with multi-bottoms and missing transverse energy; $139\text{fb}^{-1}$ ). Modern Physics Letters A, 2021, 36, 2141010. | 0.5 | 4         |
| 3223 | Tagging Jets in Invisible Higgs Searches. SciPost Physics, 2018, 4, .  | 1.5 | 9         |
| 3224 | Deep-learned Top Tagging with a Lorentz Layer. SciPost Physics, 2018, 5, .   | 1.5 | 111       |
| 3225 | Whac-a-constraint with anomaly-free dark matter models. , 2019, 6, .   |     | 6         |
| 3226 | QCD or what?. SciPost Physics, 2019, 6, .  | 1.5 | 121       |
| 3227 | Quark-gluon tagging: Machine learning vs detector. SciPost Physics, 2019, 6, .   | 1.5 | 38        |
| 3228 | The Machine Learning landscape of top taggers. SciPost Physics, 2019, 7, .   | 1.5 | 106       |
| 3229 | Reports of my demise are greatly exaggerated: $\mathcal{N}$ -subjettiness taggers take on jet images. SciPost Physics, 2019, 7, .  | 1.5 | 23        |
| 3230 | Class imbalance techniques for high energy physics. SciPost Physics, 2019, 7, .  | 1.5 | 5         |
| 3231 | Deep-learning jets with uncertainties and more. SciPost Physics, 2020, 8, .  | 1.5 | 34        |
| 3232 | CapsNets continuing the convolutional quest. SciPost Physics, 2020, 8, .   | 1.5 | 16        |
| 3233 | Exploring phase space with Neural Importance Sampling. SciPost Physics, 2020, 8, .   | 1.5 | 57        |
| 3234 | How to GAN away detector effects. SciPost Physics, 2020, 8, .  | 1.5 | 46        |
| 3235 | An optimal observable for color singlet identification. SciPost Physics, 2020, 9, .  | 1.5 | 11        |
| 3236 | Invertible networks or partons to detector and back again. SciPost Physics, 2020, 9, .   | 1.5 | 47        |
| 3239 | Exclusive Heavy Quark Dijet Cross Section. Journal of the Korean Physical Society, 2020, 77, 469-476.  | 0.3 | 5         |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3240 | Jet fragmentation transverse momentum distributions in pp and p-Pb collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 1         |
| 3241 | NLO EW and QCD corrections to polarized ZZ production in the four-charged-lepton channel at the LHC. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 11        |
| 3242 | Vector-like quarks decaying into singly and doubly charged bosons at LHC. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 12        |
| 3243 | Search for chargino-neutralino production in events with Higgs and W bosons using $137 \text{ fb}^{-1}$ of proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.                    | 1.6 | 8         |
| 3244 | First measurements of N-subjettiness in central Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 1         |
| 3245 | Measurement of the electroweak production of $Z\gamma$ and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic gauge couplings. Physical Review D, 2021, 104, .                  | 1.6 | 13        |
| 3246 | Next-to-Next-to-Leading Order Study of Three-Jet Production at the LHC. Physical Review Letters, 2021, 127, 152001.   | 2.9 | 38        |
| 3247 | Study of Z boson plus jets events using variables sensitive to double-parton scattering in pp collisions at 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 1         |
| 3248 | Higgs boson to charm quark decay in vector boson fusion plus a photon. Physical Review D, 2021, 104, .  | 1.6 | 3         |
| 3249 | Search for dark matter in events with missing transverse momentum and a Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1. | 1.6 | 12        |
| 3250 | Search for single top quark production. , 2007, , .   |     | 2         |
| 3251 | Quantifying the performance of jet algorithms at the LHC. , 2008, , .   |     | 0         |
| 3253 | Jet calibration in the ATLAS experiment at LHC. , 2010, , .   |     | 0         |
| 3254 | Calorimetry. Landolt-Börnstein - Group I Elementary Particles, Nuclei and Atoms, 2011, , 145-193.   | 0.2 | 21        |
| 3255 | Setting of the ATLAS Jet Energy Scale. , 2011, , .  |     | 0         |
| 3256 | Studies of the performance of the ATLAS detector using cosmic-ray muons. , 2012, , 239-274.   |     | 0         |
| 3258 | Atlas detector performance. , 2011, , .   |     | 0         |
| 3259 | Study of the Inclusive Beauty Production. Springer Theses, 2012, , 41-73.   | 0.0 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3261 | RHIC and LHC Phenomena with a Unified Parton Transport. , 2013, , 211-224.  |     | 0         |
| 3262 | The LHC and Collision Simulations. Springer Theses, 2014, , 49-68.  | 0.0 | 0         |
| 3263 | Objects and Processes. Springer Theses, 2014, , 45-89.  | 0.0 | 0         |
| 3264 | Event Reconstruction. Springer Theses, 2014, , 55-75.   | 0.0 | 0         |
| 3266 | Analysis Tools. Springer Theses, 2014, , 47-68.   | 0.0 | 0         |
| 3267 | New ATLAS results in SUSY searches for 3rdgeneration squarks and electroweak production. EPJ Web of Conferences, 2014, 71, 00034. | 0.1 | 0         |
| 3268 | Data Acquisition and Data Processing. Springer Theses, 2014, , 71-96.   | 0.0 | 0         |
| 3271 | QCD description of ATLAS jet veto data. , 2014, , .   |     | 0         |
| 3272 | Probing the Standard Model at Hadron Colliders. , 2015, , 125-172.  |     | 0         |
| 3273 | Confronting BFKL dynamics with experimental studies of Mueller-Navelet jets at the LHC. , 2014, , .                               |     | 1         |
| 3275 | Higgs Searches at the LHC. Springer Proceedings in Physics, 2015, , 254-281.  | 0.1 | 0         |
| 3276 | Introduction to the Standard Model and Jet Vetoing. Springer Theses, 2015, , 1-31.  | 0.0 | 0         |
| 3277 | Event Reconstruction for Proton-Proton Collisions. Springer Theses, 2015, , 61-71.  | 0.0 | 0         |
| 3278 | The LHC Detectors. , 2015, , 57-94.   |     | 0         |
| 3279 | Computational Techniques for the LHC. Springer Theses, 2015, , 15-27.   | 0.0 | 0         |
| 3280 | Jet Vetoing in Top-Antitop Events. Springer Theses, 2015, , 63-101.   | 0.0 | 0         |
| 3281 | Applications of SCET. Lecture Notes in Physics, 2015, , 139-162.  | 0.3 | 0         |
| 3282 | Analysis Objects. Springer Theses, 2015, , 69-81.   | 0.0 | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3283 | Introduction and Literature Review. Springer Theses, 2016, , 1-28.   | 0.0 | 0         |
| 3284 | Search for New Phenomena in the Mono-jet Final State at $\sqrt{s}=7\text{ TeV}$ . Springer Theses, 2016, , 43-96.                          | 0.0 | 0         |
| 3285 | The ATLAS Experiment at LHC. Springer Theses, 2016, , 25-41.   | 0.0 | 0         |
| 3286 | Object Reconstruction. Springer Theses, 2016, , 55-69.   | 0.0 | 0         |
| 3287 | Tau Reconstruction and Identification with Upgraded CMS Detector at LHC. Springer Proceedings in Physics, 2016, , 585-589.                 | 0.1 | 0         |
| 3288 | Particle Reconstruction. Springer Theses, 2016, , 93-122.  | 0.0 | 0         |
| 3289 | The ATLAS Experiment. Springer Theses, 2016, , 83-114.   | 0.0 | 0         |
| 3291 | Automation of NLO Computations. Springer Theses, 2016, , 139-150.  | 0.0 | 0         |
| 3292 | Event Reconstruction and Selection. Springer Theses, 2016, , 39-55.  | 0.0 | 0         |
| 3295 | A New Method for Indirect Mass Measurements using the Integral Charge Asymmetry at the LHC. , 2016, , .                                    |     | 0         |
| 3296 | The Large Hadron Collider and the ATLAS Experiment. Springer Theses, 2016, , 25-42.  | 0.0 | 0         |
| 3297 | Physics Objects Definitions. Springer Theses, 2016, , 171-175.   | 0.0 | 0         |
| 3298 | Dark Matter + Higgs( $\hat{t}^* b b \bar{b}$ , $\rightarrow \bar{b} b$ ): Overview. Springer Theses, 2017, , 49-53.                        | 0.0 | 0         |
| 3299 | Jet Measurement. Springer Tracts in Modern Physics, 2017, , 61-110.  | 0.1 | 0         |
| 3300 | Absolute Cross Sections. Springer Tracts in Modern Physics, 2017, , 111-144.   | 0.1 | 0         |
| 3302 | Tracking in dense environments and its inefficiency measurement using pixel $dE/dx$ . Journal of Instrumentation, 2016, 11, C12041-C12041. | 0.5 | 0         |
| 3303 | The LHC and the CMS Experiment. Springer Theses, 2017, , 47-83.  | 0.0 | 0         |
| 3304 | Physics Objects. Springer Theses, 2017, , 75-92.   | 0.0 | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3305 | Probing $CP$ -violating Top-Yukawa Couplings at the LHC. Springer Theses, 2017, , 41-73.                                    | 0.0 | 0         |
| 3306 | Jet Finding. Springer Theses, 2017, , 65-74.  | 0.0 | 0         |
| 3308 | Event Reconstruction. Springer Theses, 2017, , 73-101.  | 0.0 | 0         |
| 3309 | Object Reconstruction and Event Selection. Springer Theses, 2017, , 179-191.  | 0.0 | 0         |
| 3310 | Experiments and Functional Realism. Open Journal of Microphysics, 2017, 07, 67-84.  | 0.3 | 0         |
| 3311 | QCD Physics with the CMS Experiment. EPJ Web of Conferences, 2017, 164, 07029.  | 0.1 | 0         |
| 3312 | Event Generation, Simulation and Reconstruction. Springer Theses, 2018, , 71-84.  | 0.0 | 0         |
| 3313 | The Compact Muon Solenoid. Springer Theses, 2018, , 53-71.  | 0.0 | 2         |
| 3314 | Hierarchical $k_t$ jet clustering for parallel architectures. Acta Universitatis Sapientiae: Informatica, 2017, 9, 195-213. | 0.3 | 1         |
| 3315 | Higgs Boson Measurements and Extended Scalar Sector Searches in Bosonic Final States. , 2017, ,                             |     | 0         |
| 3317 | Measurement of WZ Boson Pair Production at $\sqrt{s}=13$ TeV. Springer Theses, 2018, , 151-213.                             | 0.0 | 0         |
| 3318 | Experimental Apparatus. Springer Theses, 2018, , 15-31.   | 0.0 | 0         |
| 3319 | Higgs Decaying to Four Leptons. Springer Theses, 2018, , 125-149.   | 0.0 | 0         |
| 3321 | Experimental Apparatus. Springer Theses, 2018, , 51-83.   | 0.0 | 0         |
| 3322 | Physics Object Reconstruction in ATLAS. Springer Theses, 2018, , 39-68.   | 0.0 | 0         |
| 3323 | The ATLAS Detector at the LHC. Springer Theses, 2018, , 51-79.  | 0.0 | 0         |
| 3326 | Soft QCD. , 2018, ,   |     | 0         |
| 3327 | Parton Distribution Functions. , 2018, ,  |     | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3328 | QCD to All Orders. , 2018, , .   |     | 0         |
| 3329 | Hard Scattering Formalism. , 2018, , .   |     | 0         |
| 3330 | QCD at Fixed Order: Processes. , 2018, , .   |     | 0         |
| 3331 | Data at the LHC. , 2018, , .   |     | 0         |
| 3332 | Data at the TEVATRON. , 2018, , .  |     | 0         |
| 3333 | QCD at Fixed Order: Technology. , 2017, , 99-181.  |     | 0         |
| 3334 | Inclusive Jet Measurements in Longitudinally Polarized Proton-Proton Collisions at STAR. , 2018, , .             |     | 0         |
| 3335 | Hunting for narrow resonances in the dijet mass spectrum at CMS. , 2018, , .                                     |     | 0         |
| 3336 | Higgs-to-Invisible Searches with the CMS experiment at the LHC. , 2018, , .                                      |     | 0         |
| 3337 | Elements of Theory. Springer Theses, 2019, , 15-64.  | 0.0 | 0         |
| 3338 | Reconstruction of Physics Objects. Springer Theses, 2019, , 53-77.   | 0.0 | 0         |
| 3339 | Calculations for the Jet Mass with Grooming. Lecture Notes in Physics, 2019, , 87-112.                           | 0.3 | 0         |
| 3340 | The ATLAS Detector. Springer Theses, 2019, , 45-57.  | 0.0 | 1         |
| 3341 | Trigger and Object Reconstruction. Springer Theses, 2019, , 85-106.  | 0.0 | 0         |
| 3342 | Physics Objects Reconstruction with the ATLAS Detector. Springer Theses, 2019, , 93-113.                         | 0.0 | 0         |
| 3344 | The CERN Large Hadron Collider and the Compact Muon Solenoid Detector. Springer Theses, 2019, , 11-40.           | 0.0 | 0         |
| 3345 | Azimuthal Angular Decorrelation of Jets at Future High-energy Colliders. Acta Physica Polonica B, 2019, 50, 149. | 0.3 | 1         |
| 3346 | Jets and Jet Substructure at an EIC. , 2019, , .   |     | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3347 | Quark and gluon jet functions at three loops in QCD. , 2019, , .  |     | 0         |
| 3348 | Measurement of $K_S^0$ and $\Lambda^0$ production in $pp \rightarrow \tau^+ \tau^-$ dileptonic events in $pp$ collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 1.4 | 4         |
| 3349 | Data Acquisition and Reconstruction. Springer Theses, 2020, , 61-95.  | 0.0 | 0         |
| 3350 | LHC and the ATLAS Detector. Springer Theses, 2020, , 35-53.   | 0.0 | 0         |
| 3351 | Measurement of the Higgs Boson Fiducial Inclusive and Differential Cross Sections in the $H \rightarrow \gamma \gamma$ Channel. Springer Theses, 2020, , 161-235.   | 0.0 | 0         |
| 3352 | Higgs production at NNLO <sup>2</sup> +NNLO using rapidity dependent jet vetoes. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 5         |
| 3353 | Identifying hadronic charmonium decays in hadron colliders. SciPost Physics Core, 2020, 2, .  | 0.9 | 1         |
| 3354 | Searches for resonant di-boson production at CMS. , 2020, , .   |     | 0         |
| 3355 | Rare two-body decays of the top quark into a bottom meson plus an up or charm quark. Journal of High Energy Physics, 2020, 2020, 1.   | 1.6 | 0         |
| 3356 | Preserving new physics while simultaneously unfolding all observables. Physical Review D, 2021, 104, .  | 1.6 | 5         |
| 3357 | Improving third-generation leptoquark searches with combined signals and boosted top quarks. Physical Review D, 2021, 104, .  | 1.6 | 16        |
| 3358 | B-hadron production in NNLO QCD: application to LHC $t \rightarrow b \tau^+ \tau^-$ events with leptonic decays. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 15        |
| 3359 | Full NLO predictions for vector-boson scattering into Z bosons and its irreducible background at the LHC. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 6         |
| 3360 | Event Reconstruction. Springer Theses, 2020, , 67-95.   | 0.0 | 0         |
| 3361 | Boosted Object Reconstruction. Springer Theses, 2020, , 97-105.   | 0.0 | 0         |
| 3362 | The LHC and the ATLAS Experiment. Springer Theses, 2020, , 61-101.  | 0.0 | 0         |
| 3363 | Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.   | 1.4 | 12        |
| 3364 | Implementation of the CMS-SUS-19-006 analysis in the <code>MadAnalysis5</code> framework (supersymmetry with large hadronic activity and missing transverse energy; $137 \text{ fb}^{-1} < \sqrt{s} > 13 \text{ TeV}$ ). Modern Physics Letters A, 2021, 36, 2141007. | 0.5 | 5         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3365 | Implementation of the CMS-HIG-18-011 analysis in the <code>MadAnalysis5</code> framework (exotic Higgs) Tj ETQq0 0 0 rgBT /Overlock<br>Physics Letters A, 2021, 36, 2141003.               | 0.5 | 0         |
| 3366 | Implementation of the ATLAS-SUSY-2018-06 analysis in the <code>MadAnalysis5</code> framework (electroweakinos) Tj ETQq1 1 0.784314 rgBT /Overlock<br>Physics Letters A, 2021, 36, 2141006. | 0.5 | 1         |
| 3367 | Identifying heavy particle jets with a new nonlinear jet observable. Physical Review D, 2020, 102, .   | 1.6 | 0         |
| 3368 | 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        |
| 3369 | Implementation of the ATLAS-SUSY-2019-08 analysis in the <code>MadAnalysis5</code> framework (electroweakinos) Tj ETQq0 0 0 rgBT /Overlock<br>Physics Letters A, 2021, 36, 2141006.        | 0.5 | 2         |
| 3370 | Prospects of non-resonant Higgs pair production at the HL-LHC and HE-LHC. Journal of Physics: Conference Series, 2020, 1690, 012149.   | 0.3 | 0         |
| 3371 | On the modelling of energetic multi-jet QCD events. European Physical Journal C, 2020, 80, 1.  | 1.4 | 0         |
| 3372 | New Physics Agnostic Selections For New Physics Searches. EPJ Web of Conferences, 2020, 245, 06039.  | 0.1 | 3         |
| 3373 | Calorimetry. , 2020, , 201-280.  |     | 0         |
| 3374 | Heavy-Flavour Jet Production and Charm Fragmentation with ALICE at LHC. Springer Proceedings in Physics, 2020, , 153-157.  | 0.1 | 0         |
| 3376 | Event Reconstruction. Springer Theses, 2020, , 83-108.   | 0.0 | 0         |
| 3377 | A self-calibrating, double-ratio method to test tau lepton universality in W boson decays at the LHC. European Physical Journal C, 2020, 80, 1.  | 1.4 | 0         |
| 3378 | Jet Grooming through Reinforcement Learning. Journal of Physics: Conference Series, 2020, 1525, 012111.  | 0.3 | 0         |
| 3379 | Track propagation for different detector and magnetic field setups in Acts. Journal of Physics: Conference Series, 2020, 1525, 012080.   | 0.3 | 1         |
| 3380 | Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV Using Leptonic Decays. Physical Review Letters, 2021, 127, 191801.    | 2.9 | 6         |
| 3381 | 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        |
| 3382 | Sensitivity to longitudinal vector boson scattering in semileptonic final states at the HL-LHC. Physical Review D, 2021, 104, .  | 1.6 | 3         |
| 3383 | Spin asymmetries in electron-jet production at the future electron ion collider. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 15        |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3406 | A Machine Learning approach to the EFT re-interpretation of the $WZjj$ fully leptonic electroweak production. Journal of Physics: Conference Series, 2021, 2105, 012011.   | 0.3 | 0         |
| 3407 | Adversarial domain adaptation to reduce sample bias of a high energy physics classifier. Machine Learning: Science and Technology, 0, , .  | 2.4 | 11        |
| 3408 | Observation of $tW$ production in the single-lepton channel in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 2         |
| 3409 | Machine learning approach for the search of resonances with topological features at the Large Hadron Collider. International Journal of Modern Physics A, 0, , .   | 0.5 | 2         |
| 3410 | Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 10        |
| 3411 | Photon radiation effects in kinematic reconstruction of top quarks. Journal of Instrumentation, 2021, 16, P12001.  | 0.5 | 0         |
| 3415 | Learning to discover: expressive Gaussian mixture models for multi-dimensional simulation and parameter inference in the physical sciences. Machine Learning: Science and Technology, 0, , .                     | 2.4 | 1         |
| 3416 | Gluon polarization measurements from longitudinally polarized proton-proton collisions at STAR. Journal of Physics: Conference Series, 2020, 1643, 012184.   | 0.3 | 0         |
| 3417 | Measurement of inclusive charged-particle b-jet production in pp and p-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 6         |
| 3418 | Hadron interactions for arbitrary energies and species, with applications to cosmic rays. European Physical Journal C, 2022, 82, 1.  | 1.4 | 9         |
| 3419 | $ZZ$ production at nNNLO+PS with MiNNLOPS. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 11        |
| 3420 | Jet timing. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 5         |
| 3421 | Search for heavy particles in the b -tagged dijet mass distribution with additional b -tagged jets in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS experiment. Physical Review D, 2022, 105, . | 1.6 | 2         |
| 3422 | Tera- $Z$ stage at future colliders and light composite axionlike particles. Physical Review D, 2022, 105, .   | 1.6 | 5         |
| 3423 | Performance of the ATLAS Level-1 topological trigger in Run2. European Physical Journal C, 2022, 82, 1.  | 1.4 | 6         |
| 3424 | Jet Tomography in Heavy-Ion Collisions with Deep Learning. Physical Review Letters, 2022, 128, 012301.   | 2.9 | 16        |
| 3425 | Introduction and Analysis of a Method for the Investigation of QCD-like Tree Data. Entropy, 2022, 24, 104.   | 1.1 | 1         |
| 3426 | A Study of QCD Radiation in VBF Higgs Production with Vincia and Pythia. SciPost Physics, 2022, 12, .  | 1.5 | 7         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3427 | Application of the matrix element method to Higgs boson pair production in the channel $HH \rightarrow b\bar{b}, WW^*$ at the LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1028, 166373. | 0.7 | 0         |
| 3428 | Measurement of the c-jet mistagging efficiency in $\sqrt{s} = 13.6$ TeV events using pp collision data at $\sqrt{s} = 13.6$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .   | 1.4 | 14        |
| 3429 | Production of strange particles in jets and underlying events in pp collisions at $\sqrt{s} = 13$ TeV with ALICE. EPJ Web of Conferences, 2022, 259, 10009.   | 0.1 | 0         |
| 3430 | Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 6         |
| 3431 | A cautionary tale of decorrelating theory uncertainties. European Physical Journal C, 2022, 82, 1.  | 1.4 | 9         |
| 3432 | Transverse-momentum resummation for boson plus jet production at hadron colliders. European Physical Journal C, 2022, 82, 27.   | 1.4 | 8         |
| 3433 | Search for Higgs boson decays into a pair of pseudoscalar particles in the $b\bar{b}$ final state with the ATLAS detector in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 17        |
| 3434 | Search for exotic decays of the Higgs boson into $b\bar{b}$ and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 2         |
| 3435 | Electroweak signatures of gauge-mediated supersymmetry breaking in multiple hidden sectors. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 1         |
| 3436 | Azimuthal correlations of high transverse momentum jets at next-to-leading order in the parton branching method. European Physical Journal C, 2022, 82, 1.  | 1.4 | 6         |
| 3437 | Multi-partonic medium induced cascades in expanding media. European Physical Journal C, 2022, 82, 1.  | 1.4 | 8         |
| 3438 | Studying the QGP with Jets at the LHC and RHIC. Progress in Particle and Nuclear Physics, 2022, 124, 103940.  | 5.6 | 32        |
| 3439 | Modeling uncertainties of $t\bar{t}$ production with Higgs boson multilepton signatures. Physical Review D, 2022, 105, .  | 1.6 | 15        |
| 3440 | $t\bar{t}$ signatures through the lens of color-octet scalars. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 4         |
| 3441 | Single top production in association with a WZ pair at the LHC in the SMEFT. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 9         |
| 3442 | Anomalous couplings in associated $VH$ production with Higgs boson decay to massive $b\bar{b}$ quarks at NNLO in QCD. Physical Review D, 2022, 105, .   | 1.6 | 12        |
| 3443 | Publishing unbinned differential cross section results. Journal of Instrumentation, 2022, 17, P01024.   | 0.5 | 14        |
| 3444 | Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 8         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3447 | 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 $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, 1. | 1.4 | 8         |
| 3448 | A novel artificial bee colony clustering algorithm with comprehensive improvement. Visual Computer, 2022, 38, 1395-1410.   | 2.5 | 6         |
| 3449 | Anomaly detection from mass unspecific jet tagging. European Physical Journal C, 2022, 82, 1.  | 1.4 | 11        |
| 3450 | NNLO QCD corrections to weak boson fusion Higgs boson production in the $H \rightarrow b\bar{b}$ and $H \rightarrow WW^* \rightarrow 4l$ decay channels. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 9         |
| 3451 | A template method to measure the $t\bar{t}$ polarisation. European Physical Journal C, 2022, 82, 1.  | 1.4 | 3         |
| 3452 | Energy-weighted message passing: an infra-red and collinear safe graph neural network algorithm. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 15        |
| 3453 | Muon $g-2$ , dark matter and the Higgs mass in no-scale supergravity. Nuclear Physics B, 2022, 976, 115700.  | 0.9 | 6         |
| 3454 | Next-to-leading-order QCD corrections and parton-shower effects for weakino+squark production at the LHC. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 1         |
| 3455 | Unleashing the full power of LHCb to probe stealth new physics. Reports on Progress in Physics, 2022, 85, 024201.  | 8.1 | 20        |
| 3456 | ATLAS Object Reconstruction. Springer Theses, 2022, , 65-87.   | 0.0 | 0         |
| 3457 | Non-resonant new physics search at the LHC for the $b \rightarrow c\bar{c}l\bar{l}$ anomalies. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 17        |
| 3458 | Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of Leptons in $pp$ Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.   | 2.9 | 9         |
| 3459 | A FAIR and AI-ready Higgs boson decay dataset. Scientific Data, 2022, 9, 31.   | 2.4 | 12        |
| 3460 | 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         |
| 3461 | Identification of charm jets at LHCb. Journal of Instrumentation, 2022, 17, P02028.  | 0.5 | 2         |
| 3462 | Production and decay of the Higgs boson in association with top quarks. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 8         |
| 3463 | Broad toplike vector quarks at LHC and HL-LHC. Physical Review D, 2022, 105, .   | 1.6 | 12        |
| 3464 | Study of $Z$ Bosons Produced in Association with Charm in the Forward Region. Physical Review Letters, 2022, 128, 082001.  | 2.9 | 11        |





| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3483 | Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow u \bar{u} (\rightarrow \pi^+ \pi^-) u \bar{u}$ events in Run-2 data. European Physical Journal C, 2022, 82, 1. | 1.4 | 4         |
| 3484 | Interleaved resonance decays and electroweak radiation in the Vincia parton shower. SciPost Physics, 2022, 12, .  | 1.5 | 4         |
| 3485 | Revisiting type-II see-saw: present limits and future prospects at LHC. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 27        |
| 3486 | End-to-end jet classification of boosted top quarks with the CMS open data. Physical Review D, 2022, 105, .   | 1.6 | 1         |
| 3487 | Strange particle production in jets and underlying events in pp collisions at $\sqrt{s} = 7$ TeV with PYTHIA8 generator. European Physical Journal A, 2022, 58, 1.  | 1.0 | 0         |
| 3488 | Measurement of $\langle \mathcal{M} \rangle$ differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV and effective field. Physical Review D, 2022, 105, .                                | 1.6 | 4         |
| 3489 | Leptonic scalars and collider signatures in a UV-complete model. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 9         |
| 3490 | Taming modeling uncertainties with mass unspecific supervised tagging. European Physical Journal C, 2022, 82, 1.  | 1.4 | 2         |
| 3491 | Classification of quark and gluon jets in hot QCD medium with deep learning. , 2022, , .  |     | 1         |
| 3492 | Hide and seek with the third family hypercharge model's $Z'$ at the large hadron collider. European Physical Journal C, 2022, 82, 1.  | 1.4 | 3         |
| 3493 | Long dead wins. European Physical Journal C, 2022, 82, 1.   | 1.4 | 2         |
| 3494 | A new calibration method for charm jet identification validated with proton-proton collision events at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2022, 17, P03014.                                       | 0.5 | 6         |
| 3495 | Inclusive Jet Cross-section Measurements in pp Collisions at $\sqrt{s} = 200$ and 510 GeV with STAR. , 2022, , .  |     | 0         |
| 3496 | Probing hadronization with flavor correlations of leading particles in jets. Physical Review D, 2022, 105, .  | 1.6 | 1         |
| 3497 | Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 213.                                     | 1.4 | 3         |
| 3498 | Boosted decision trees in the era of new physics: a smuon analysis case study. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 11        |
| 3499 | Searching for light new physics at the LHC via lepton-number violation. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 0         |
| 3500 | Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.                       | 1.4 | 18        |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3501 | Search for dark matter produced in association with a Standard Model Higgs boson decaying into b-quarks using the full Run 2 dataset from the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.                          | 1.6 | 10        |
| 3502 | Measurement of prompt open-charm production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 2         |
| 3503 | Search for exotic decays of the Higgs boson into long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV using displaced vertices in the ATLAS inner detector. Journal of High Energy Physics, 2021, 2021, 1.                    | 1.6 | 4         |
| 3504 | Measurement of the inclusive and differential $t\bar{t}$ cross sections in the single-lepton channel and EFT interpretation at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.                                    | 1.6 | 3         |
| 3505 | Search for chargino-neutralino pair production in final states with three leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. European Physical Journal C, 2021, 81, 1.             | 1.4 | 28        |
| 3506 | Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 5         |
| 3507 | Accelerating LHC phenomenology with analytic one-loop amplitudes. European Physical Journal C, 2021, 81, 1.   | 1.4 | 8         |
| 3508 | Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.                                 | 1.6 | 8         |
| 3509 | Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.   | 1.4 | 7         |
| 3510 | $C P$ violation in top quark decay via heavy Majorana neutrinos at the LHC. Physical Review D, 2021, 104, .   | 1.6 | 2         |
| 3511 | Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804.  | 2.9 | 17        |
| 3512 | Search for Lepton-Flavor Violation in $Z$ -Boson Decays with $L\bar{L}$ . Physical Review Letters, 2021, 127, 261804.   | 2.9 | 8         |
| 3513 | Search for charginos and neutralinos in final states with two boosted hadronically decaying bosons and missing transverse momentum in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2021, 104, . | 1.6 | 25        |
| 3514 | Unsupervised hadronic SUEP at the LHC. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 8         |
| 3515 | Search for new phenomena in $pp$ collisions in final states with tau leptons, $b$ -jets, and missing transverse momentum with the ATLAS detector. Physical Review D, 2021, 104, .   | 1.6 | 14        |
| 3516 | Analysis of $W\hat{A}\pm + 4\hat{t}^3$ in the 2HDM Type-I at the LHC. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 7         |
| 3517 | Measurement of b-quark fragmentation properties in jets using the decay $B\hat{A}\pm \hat{t}^* J/\psi K\hat{A}\pm$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.    | 1.6 | 3         |
| 3518 | Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 1         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3519 | Production of strange hadrons in jets and underlying events in pp and pâ€Pb collisions with ALICE. Physica Scripta, 2022, 97, 054009.   | 1.2 | 1         |
| 3520 | Revisiting jet clustering algorithms for new Higgs Boson searches in hadronic final states. European Physical Journal C, 2022, 82, .  | 1.4 | 1         |
| 3521 | Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .                 | 1.4 | 7         |
| 3522 | 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        |
| 3523 | 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         |
| 3524 | 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        |
| 3525 | 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         |
| 3526 | W + charm production with massive c quarks in PowHel. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 6         |
| 3527 | 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         |
| 3531 | Disentangling jet modification in jet simulations and in Z+jet data. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 7         |
| 3532 | Spectral clustering for jet physics. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 2         |
| 3533 | 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         |
| 3534 | Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.   | 1.6 | 5         |
| 3535 | Search for exotic leptons in final states with two or three leptons and fat-jets at 13 TeV LHC. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 7         |
| 3536 | How well do we know the gluon polarization in the proton?. Physical Review D, 2022, 105, .  | 1.6 | 19        |
| 3537 | Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .             | 1.4 | 2         |
| 3538 | High-dimensional anomaly detection with radiative return in $e^+e^-$ collisions. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 2         |
| 3539 | Neural conditional reweighting. Physical Review D, 2022, 105, .   | 1.6 | 4         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3540 | Differential measurements of jet substructure and partonic energy loss in Au $\sqrt{s} = 2.76$ TeV collisions at $\sqrt{s} = 2.76$ GeV. Physical Review C, 2022, 105, .                             | 1.1 | 6         |
| 3541 | New physics in triboson event topologies. Physical Review D, 2022, 105, .   | 1.6 | 3         |
| 3542 | Measurement of the inclusive $\overline{W}W$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.                          | 1.6 | 2         |
| 3543 | Precision measurement of the $W$ boson decay branching fractions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .  | 1.6 | 5         |
| 3544 | HEJ 2.1: High-energy resummation with vector bosons and next-to-leading logarithms. Computer Physics Communications, 2022, 278, 108404.   | 3.0 | 1         |
| 3545 | Learning to simulate high energy particle collisions from unlabeled data. Scientific Reports, 2022, 12, 7567.   | 1.6 | 12        |
| 3546 | Quenching of jets tagged with $W$ bosons in high-energy nuclear collisions. Physical Review C, 2022, 105, .   |     | 3         |
| 3547 | Parton splitting scales of reclustered large-radius jets in high-energy nuclear collisions. European Physical Journal C, 2022, 82, 1.   | 1.4 | 4         |
| 3548 | Anomaly detection in high-energy physics using a quantum autoencoder. Physical Review D, 2022, 105, .   | 1.6 | 28        |
| 3549 | 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, . | 1.6 | 2         |
| 3550 | Search for resonant pair production of Higgs bosons in the $b\bar{b}$ final state using unbiased elimination of negative weights in Monte Carlo samples. European Physical Journal C, 2022, 82, 1.  | 1.6 | 10        |
| 3551 | Unbiased elimination of negative weights in Monte Carlo samples. European Physical Journal C, 2022, 82, 1.  | 1.4 | 3         |
| 3552 | Same sign trilepton as signature of charged Higgs in two Higgs doublet model. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 10        |
| 3553 | Shared Data and Algorithms for Deep Learning in Fundamental Physics. Computing and Software for Big Science, 2022, 6, .   | 1.3 | 9         |
| 3554 | Constraints on Higgs boson production with large transverse momentum using $H \rightarrow b\bar{b}$ decays in the ATLAS detector. Physical Review D, 2022, 105, .                                   | 1.6 | 5         |
| 3555 | 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         |
| 3556 | New angular and other cuts to improve the Higgsino signal at the LHC. Physical Review D, 2022, 105, .   | 1.6 | 7         |
| 3557 | Measurements of the groomed and ungroomed jet angularities in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 8         |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3558 | Direct observation of the dead-cone effect in quantum chromodynamics. Nature, 2022, 605, 440-446.   | 13.7 | 28        |
| 3559 | Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s} = 510$ GeV. Physical Review D, 2022, 105, .   | 1.6  | 7         |
| 3560 | Search for single production of a vector-like T quark decaying to a top quark and a Z boson in the final state with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .              | 1.6  | 5         |
| 3561 | Accelerating Monte Carlo event generation – rejection sampling using neural network event-weight estimates. SciPost Physics, 2022, 12, .  | 1.5  | 17        |
| 3562 | Multiphase critical Higgs boson at colliders. Physical Review D, 2022, 105, .   | 1.6  | 2         |
| 3563 | Search for invisible decays of the Higgs boson produced via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .   | 1.6  | 30        |
| 3564 | Multi-lepton probes of new physics and lepton-universality in top-quark interactions. Nuclear Physics B, 2022, 980, 115849.   | 0.9  | 9         |
| 3565 | SPANet: Generalized permutationless set assignment for particle physics using symmetry preserving attention. SciPost Physics, 2022, 12, .   | 1.5  | 16        |
| 3566 | Tagging the Higgs boson decay to bottom quarks with colour-sensitive observables and the Lund jet plane. European Physical Journal C, 2022, 82, .   | 1.4  | 2         |
| 3567 | Secluded dark matter in gauged $B-L$ model. Journal of High Energy Physics, 2022, 2022, .   | 1.6  | 5         |
| 3568 | Measurement of the inclusive and differential $t\bar{t}$ cross sections in the dilepton channel and effective field theory interpretation in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, . | 1.6  | 2         |
| 3569 | Phenomenology of $t\bar{t} + X$ production at the LHC. Journal of High Energy Physics, 2022, 2022, .  | 1.6  | 4         |
| 3570 | Symmetry discovery with deep learning. Physical Review D, 2022, 105, .  | 1.6  | 14        |
| 3571 | Stitching Monte Carlo samples. European Physical Journal C, 2022, 82, .   | 1.4  | 2         |
| 3572 | Charged Higgs observability via charged Higgs pair production at future lepton collider. European Physical Journal Plus, 2022, 137, .   | 1.2  | 0         |
| 3573 | Search for single production of a vectorlike T quark decaying into a Higgs boson and top quark with fully hadronic final states using the ATLAS detector. Journal of High Energy Physics, 2022, 2022, .                                     | 1.6  | 10        |
| 3574 | Measurement of the production cross section for $Zb\bar{b}$ jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .  | 1.6  | 2         |
| 3575 | Study of semi-boosted top quark reconstruction performance on the line shape of a $t\bar{t}$ resonance. International Journal of Modern Physics A, 0, , .   | 0.5  | 0         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3576 | Jet energy spectrum and substructure in $e+e^{\sim}$ collisions at 91.2 GeV with ALEPH Archived Data. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 4         |
| 3577 | Search for neutral long-lived particles in pp collisions at $\sqrt{s} = 13$ TeV that decay into displaced hadronic jets in the ATLAS calorimeter. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 4         |
| 3578 | Testing left-right symmetry with an inverse seesaw mechanism at the LHC. Physical Review D, 2022, 105, .  | 1.6 | 4         |
| 3582 | Prospects for Probing Axionlike Particles at a Future Hadron Collider through Top Quark Production. Universe, 2022, 8, 301.   | 0.9 | 1         |
| 3583 | l-jettiness with jet axis at $O(\pm s)$ in deep inelastic scattering. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 0         |
| 3584 | Influence of QCD parton showers in deep learning invisible Higgs bosons through vector boson fusion. Physical Review D, 2022, 105, .  | 1.6 | 2         |
| 3585 | Measurements of differential cross-sections in top-quark pair events with a high transverse momentum top quark and limits on beyond the Standard Model contributions to top-quark pair production with the ATLAS detector at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 2         |
| 3586 | Inclusive nonresonant multilepton probes of new phenomena at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .   | 1.6 | 14        |
| 3587 | Permutationless many-jet event reconstruction with symmetry preserving attention networks. Physical Review D, 2022, 105, .  | 1.6 | 15        |
| 3588 | Symmetries, safety, and self-supervision. SciPost Physics, 2022, 12, .  | 1.5 | 16        |
| 3589 | NLO QCD and EW corrections to vector-boson scattering into $W+W^{\sim}$ at the LHC. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 2         |
| 3590 | Towards ruling out the charged Higgs interpretation of the $\{R\}_{D^{\sim}}$ anomaly. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 14        |
| 3591 | Hadroproduction of four top quarks in the powheg box. Physical Review D, 2022, 105, .   | 1.6 | 9         |
| 3592 | $p_T$ dispersion of inclusive jets in high-energy nuclear collisions*. Chinese Physics C, 2022, 46, 104102.   | 1.5 | 1         |
| 3593 | $W+c$ -jet production at the LHC with NNLO QCD accuracy. SciPost Physics Proceedings, 2022, , .   | 0.2 | 0         |
| 3594 | Search for single production of vectorlike B-quarks at the LHC*. Chinese Physics C, 2022, 46, 103103.   | 1.5 | 3         |
| 3595 | Searching for New Physics in Hadronic Final States with Run 2 Proton-Proton Collision Data at the LHC. Symmetry, 2022, 14, 1173.  | 1.1 | 1         |
| 3596 | NLO QCD Corrections to the Processes $pp \rightarrow ZZ$ with 0, 1, and 2 Jets at the LHC. Physics of Particles and Nuclei Letters, 2022, 19, 202-213.  | 0.1 | 0         |



| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3597 | NLO QCD Corrections to Higgs Boson Production in Association with Gauge Bosons in Proton-Proton Collisions at $\sqrt{s} = 14$ TeV. <i>Physics of Particles and Nuclei Letters</i> , 2022, 19, 196-201.               | 0.1 | 0         |
| 3598 | Multiplicity dependence of charged-particle jet production in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2022, 82, .   | 1.4 | 3         |
| 3599 | Analysis of the CP structure of the Yukawa coupling between the Higgs boson and $\tilde{l}$ , leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, .      | 1.6 | 13        |
| 3600 | Search for charged-lepton flavor violation in top quark production and decay in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, .  | 1.6 | 3         |
| 3601 | Higher-order EW corrections in ZZ and ZZj production at the LHC. <i>Journal of High Energy Physics</i> , 2022, 2022, .   | 1.6 | 4         |
| 3602 | Measurements of azimuthal anisotropies of jet production in $\text{Pb-Pb}$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>Physical Review C</i> , 2022, 105, .                                 | 1.1 | 6         |
| 3603 | Jets and Jet Substructure at Future Colliders. <i>Frontiers in Physics</i> , 0, 10, .  | 1.0 | 4         |
| 3604 | Measurement of Higgs boson decay into b-quarks in associated production with a top-quark pair in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>Journal of High Energy Physics</i> , 2022, 2022, . | 1.6 | 8         |
| 3605 | Dynamically groomed jet radius in heavy-ion collisions. <i>Physical Review D</i> , 2022, 105, .  | 1.6 | 16        |
| 3606 | Precise probing of the inert Higgs-doublet model at the LHC. <i>Physical Review D</i> , 2022, 105, .   | 1.6 | 4         |
| 3607 | Search for resonant production of strongly coupled dark matter in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, .  | 1.6 | 12        |
| 3608 | Leveraging universality of jet taggers through transfer learning. <i>European Physical Journal C</i> , 2022, 82, .   | 1.4 | 4         |
| 3609 | Differential measurements of jet sub-structure observables and their correlation in p+p collisions at $\sqrt{s} = 200$ GeV in STAR. <i>SciPost Physics Proceedings</i> , 2022, , .                                   | 0.2 | 0         |
| 3610 | Search for long-lived heavy neutral leptons with displaced vertices in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, .  | 1.6 | 11        |
| 3611 | Longitudinal double helicity asymmetry $A_{LL}$ from direct photon, jet and charged pion production in polarized $\text{p}+\text{p}$ collisions. <i>SciPost Physics Proceedings</i> , 2022, , .                      | 0.2 | 0         |
| 3612 | Phenomenological analysis of multi-pseudoscalar mediated dark matter models. <i>Journal of High Energy Physics</i> , 2022, 2022, .   | 1.6 | 6         |
| 3613 | Testing exotic scalars with HiggsBounds. <i>European Physical Journal C</i> , 2022, 82, .  | 1.4 | 10        |
| 3614 | Single inclusive jet production in pA collisions at NLO in the small-x regime. <i>Journal of High Energy Physics</i> , 2022, 2022, .   | 1.6 | 13        |

| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3615 | Defining the Underlying-Event Activity in the Presence of Heavy-Flavour Processes in Proton-Proton Collisions at LHC Energies. <i>Particles</i> , 2022, 5, 235-244.   | 0.5  | 0         |
| 3616 | Effective transverse momentum in multiple jet production at hadron colliders. <i>Physical Review D</i> , 2022, 106, .   | 1.6  | 3         |
| 3617 | Measurement of splittings along a jet shower in $\sqrt{s} = 200$ GeV pp collisions at STAR. <i>SciPost Physics Proceedings</i> , 2022, , .  | 0.2  | 0         |
| 3618 | Search for new physics in the lepton plus missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, .                                 | 1.6  | 8         |
| 3619 | Probing axion-like particles coupling to gluons at the LHC. <i>Journal of High Energy Physics</i> , 2022, 2022, .   | 1.6  | 3         |
| 3620 | Particle-based fast jet simulation at the LHC with variational autoencoders. <i>Machine Learning: Science and Technology</i> , 2022, 3, 035003.   | 2.4  | 11        |
| 3621 | Measurements of jet substructure and jet fragmentation using the ATLAS detector. <i>SciPost Physics Proceedings</i> , 2022, , .   | 0.2  | 0         |
| 3622 | Next-to-next-to-leading order event generation for VH production with $H \rightarrow b\bar{b}$ decay. <i>Journal of High Energy Physics</i> , 2022, 2022, .   | 1.6  | 9         |
| 3623 | Recasting LHC searches for long-lived particles with MadAnalysis5. <i>European Physical Journal C</i> , 2022, 82, .   | 1.4  | 12        |
| 3624 | Search for Flavor-Changing Neutral Current interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2022, 129, . | 2.9  | 10        |
| 3625 | Search for long-lived charginos based on a disappearing-track signature using 136 fb <sup>-1</sup> of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2022, 82, .        | 1.4  | 13        |
| 3626 | Measuring CP violation in rare W decays at the LHC. <i>Chinese Physics C</i> , 0, , .   | 1.5  | 1         |
| 3627 | Identification of hadronic tau lepton decays using a deep neural network. <i>Journal of Instrumentation</i> , 2022, 17, P07023.   | 0.5  | 12        |
| 3628 | Search for heavy resonances decaying to $Z\tau$ . <i>Physical Review Letters</i> , 2022, 129, .   | 2.9  | 10        |
| 3629 | Heavy Flavor and Jet Studies for the Future Electron-Ion Collider to Explore the Hadronization Process. <i>SciPost Physics Proceedings</i> , 2022, , .  | 0.2  | 0         |
| 3630 | NNLO event generation for $pp \rightarrow \text{Z} + \text{Z} + \text{Z}$ production in the SM effective field theory. <i>Journal of High Energy Physics</i> , 2022, 2022, .  | 1.6  | 9         |
| 3631 | The Partonic Origin of Multiplicity Scaling in Heavy and Light Flavor Jets. <i>Symmetry</i> , 2022, 14, 1379.   | 1.1  | 0         |
| 3632 | A detailed map of Higgs boson interactions by the ATLAS experiment ten years after the discovery. <i>Nature</i> , 2022, 607, 52-59.   | 13.7 | 119       |



| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3653 | Quantum Machine Learning for b-jet charge identification. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 11        |
| 3654 | LHC signatures of $\tilde{t}_1$ -flavoured vector leptoquarks. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 4         |
| 3655 | Jet modifications from colour rope formation in dense systems of non-parallel strings. SciPost Physics, 2022, 13, .   | 1.5 | 3         |
| 3656 | Search for Higgs Boson Pair Production in the Four-Quark Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .  | 2.9 | 11        |
| 3657 | The analytic two-loop soft function for leading-jet $p_T$ . Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 4         |
| 3658 | Creating simple, interpretable anomaly detectors for new physics in jet substructure. Physical Review D, 2022, 106, .   | 1.6 | 7         |
| 3659 | Bias and priors in machine learning calibrations for high energy physics. Physical Review D, 2022, 106, .   | 1.6 | 1         |
| 3660 | Bulk medium evolution has considerable effects on jet observables. Physical Review C, 2022, 106, .  | 1.1 | 5         |
| 3661 | Exploring phase space with nested sampling. European Physical Journal C, 2022, 82, .  | 1.4 | 4         |
| 3662 | Searching for anomalous top quark interactions with proton tagging and timing detectors at the LHC. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 2         |
| 3663 | Portraying double Higgs at the Large Hadron Collider II. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 7         |
| 3664 | Hitting two BSM particles with one lepton-jet: search for a top partner decaying to a dark photon, resulting in a lepton-jet. SciPost Physics, 2022, 13, .  | 1.5 | 3         |
| 3665 | Measurements of Higgs boson production cross-sections in the $H \rightarrow \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, .           | 1.6 | 12        |
| 3666 | SMEFT predictions for $gg \rightarrow hh$ at full NLO QCD and truncation uncertainties. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 7         |
| 3667 | Measurements of the Higgs boson inclusive and differential fiducial cross-sections in the diphoton decay channel with pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 8         |
| 3668 | Hunting for vampires and other unlikely forms of parity violation at the Large Hadron Collider. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 1         |
| 3669 | Electroweak physics at LHCb. Physica Scripta, 0, , .  | 1.2 | 0         |
| 3670 | Quantum clustering and jet reconstruction at the LHC. Physical Review D, 2022, 106, .   | 1.6 | 6         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3671 | Measurements of jet observables sensitive to $b$ -quark fragmentation in $t\bar{t}$ events at the LHC with the ATLAS detector. Physical Review D, 2022, 106, .   | 1.6 | 4         |
| 3672 | Quarks and gluons in the Lund plane. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 11        |
| 3673 | Jets separated by a large pseudorapidity gap at the Tevatron and at the LHC. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 2         |
| 3674 | Single photon production at hadron colliders at NNLO QCD with realistic photon isolation. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 2         |
| 3675 | Learning Uncertainties the Frequentist Way: Calibration and Correlation in High Energy Physics. Physical Review Letters, 2022, 129, .  | 2.9 | 4         |
| 3676 | Measurement of the Drell-Yan forward-backward asymmetry at high dilepton masses in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .                          | 1.6 | 3         |
| 3677 | Lund jet plane for Higgs tagging. SciPost Physics Proceedings, 2022, , .   | 0.2 | 2         |
| 3678 | Direct constraint on the Higgs- $\bar{c}c$ coupling from a search for Higgs boson decays into charm quarks with the ATLAS detector. European Physical Journal C, 2022, 82, .                               | 1.4 | 12        |
| 3679 | Celestial blocks and transverse spin in the three-point energy correlator. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 13        |
| 3680 | Search for $B^* \rightarrow tW$ with Full Run II Data at CMS. Springer Proceedings in Physics, 2022, , 61-65.  | 0.1 | 0         |
| 3681 | Deciphering Quark and Gluon Jet Modifications in Heavy-Ion Collisions with $\gamma$ -Tagged Jets. Springer Proceedings in Physics, 2022, , 459-462.  | 0.1 | 0         |
| 3682 | Back-to-back azimuthal correlations in $\mathcal{Z} + \text{jet}$ events at high transverse momentum in the TMD parton branching method at next-to-leading order. European Physical Journal C, 2022, 82, . | 1.4 | 6         |
| 3683 | End-to-end multi-particle reconstruction in high occupancy imaging calorimeters with graph neural networks. European Physical Journal C, 2022, 82, .   | 1.4 | 5         |
| 3684 | Classifying anomalies through outlier density estimation. Physical Review D, 2022, 106, .  | 1.6 | 34        |
| 3685 | How to GAN Higher Jet Resolution. SciPost Physics, 2022, 13, .   | 1.5 | 6         |
| 3686 | Search for the singlet vector-like lepton through the pair production in the $W\tilde{l}_1$ channel at the ILC. Europhysics Letters, 2022, 139, 64001.   | 0.7 | 4         |
| 3687 | Multi-jet merging with TMD parton branching. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 3         |
| 3688 | Heavy quarks and jets as probes of the QGP. Progress in Particle and Nuclear Physics, 2022, 127, 103990.   | 5.6 | 27        |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3689 | Electroweak corrections and shower effects to Higgs production in association with two jets at the LHC. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 0         |
| 3690 | Searching for exotic Higgs bosons at the LHC. Physical Review D, 2022, 106, .  | 1.6 | 1         |
| 3691 | Search for a $W\tilde{\chi}^0$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 1         |
| 3692 | Nanosecond machine learning regression with deep boosted decision trees in FPGA for high energy physics. Journal of Instrumentation, 2022, 17, P09039.   | 0.5 | 0         |
| 3693 | Improving Robustness of Jet Tagging Algorithms with Adversarial Training. Computing and Software for Big Science, 2022, 6, .   | 1.3 | 0         |
| 3694 | Evidence for a QCD accelerator in relativistic heavy-ion collisions. Physical Review C, 2022, 106, .   | 1.1 | 1         |
| 3695 | Power counting energy flow polynomials. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 7         |
| 3696 | Azimuthal Angular Correlation as a Boosted Top Jet Substructure. Physical Review Letters, 2022, 129, .   | 2.9 | 3         |
| 3697 | NNLO QCD corrections in full colour for jet production observables at the LHC. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 1         |
| 3698 | Deep learning jet images as a probe of light Higgsino dark matter at the LHC. Physical Review D, 2022, 106, .  | 1.6 | 4         |
| 3699 | $\mathcal{CP}$ structure of the top-quark Yukawa interaction: NLO QCD corrections and off-shell effects. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 2         |
| 3700 | Leptons lurking in semi-visible jets at the LHC. European Physical Journal C, 2022, 82, .  | 1.4 | 4         |
| 3701 | Search for Higgs boson pair production in the two bottom quarks plus two photons final state in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Physical Review D, 2022, 106, .  | 1.6 | 17        |
| 3702 | Improving heavy Dirac neutrino prospects at future hadron colliders using machine learning. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 0         |
| 3703 | Soft QCD effects in VBS/VBF topologies. European Physical Journal C, 2022, 82, .   | 1.4 | 1         |
| 3704 | Non-parametric data-driven background modelling using conditional probabilities. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 3         |
| 3705 | Performance studies of single-particle uncertainties and local cluster weighting calibration for particle-flow jets with the ATLAS detector at $\sqrt{s} = 13$ TeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, , 167516. | 0.7 | 0         |
| 3706 | Azimuthal decorrelation between a jet and a Z boson at hadron colliders. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 4         |



| #    | ARTICLE  | IF   | CITATIONS |
|------|--|------|-----------|
| 3707 | Azimuthal transverse single-spin asymmetries of inclusive jets and identified hadrons within jets from polarized $p$ - $p$ collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2022, 106, . | 1.6  | 4         |
| 3708 | Dynamics of hot QCD matter $\hat{c}$ Current status and developments. International Journal of Modern Physics E, 2022, 31, .   | 0.4  | 4         |
| 3709 | Invariant representation driven neural classifier for anti-QCD jet tagging. Journal of High Energy Physics, 2022, 2022, .  | 1.6  | 0         |
| 3710 | Discovery prospects of a vectorlike top partner decaying to a singlet boson. Physical Review D, 2022, 106, .   | 1.6  | 6         |
| 3711 | A fragmentation approach to jet flavor. Journal of High Energy Physics, 2022, 2022, .  | 1.6  | 14        |
| 3712 | The information content of jet quenching and machine learning assisted observable design. Journal of High Energy Physics, 2022, 2022, .  | 1.6  | 5         |
| 3713 | Automation of antenna subtraction in colour space: gluonic processes. Journal of High Energy Physics, 2022, 2022, .  | 1.6  | 9         |
| 3714 | NNLO interpolation grids for jet production at the LHC. European Physical Journal C, 2022, 82, .   | 1.4  | 3         |
| 3715 | Leptonic cascade decays of a heavy Higgs boson through vectorlike leptons at the LHC. Journal of High Energy Physics, 2022, 2022, .  | 1.6  | 5         |
| 3716 | Tripling down on the W boson mass. European Physical Journal C, 2022, 82, .  | 1.4  | 10        |
| 3717 | Type II seesaw model: Searching for the LHC-elusive low-mass triplet Higgs bosons at $e^+e^-$ colliders. Physical Review D, 2022, 106, .   | 1.6  | 6         |
| 3718 | Doubly charged Higgs boson production at hadron colliders II: a Zee-Babu case study. Journal of High Energy Physics, 2022, 2022, .   | 1.6  | 5         |
| 3719 | Higgs boson precision measurements at a 125 GeV muon collider. Physical Review D, 2022, 106, .   | 1.6  | 9         |
| 3720 | Machine Learning Applications for Jet Tagging in the CMS Experiment. Applied Sciences (Switzerland), 2022, 12, 10574.  | 1.3  | 2         |
| 3721 | Search for type-III seesaw heavy leptons in leptonic final states in $pp$ collisions at $\sqrt{s} = 13$ -ext {TeV} with the ATLAS detector. European Physical Journal C, 2022, 82, .           | 1.4  | 8         |
| 3722 | The infrared structure of perturbative gauge theories. Physics Reports, 2023, 994, 1-120.  | 10.3 | 15        |
| 3727 | A clustering algorithm based on jet algorithms for cross-talk events in neutron detector arrays. Journal of Instrumentation, 2022, 17, P11011.   | 0.5  | 0         |
| 3728 | Unsupervised quantum circuit learning in high energy physics. Physical Review D, 2022, 106, .  | 1.6  | 4         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3729 | Elucidating the Jet Cross Section in $pp$ and $pPb$ Collisions at $\sqrt{s} = 5.02$ TeV. International Journal of Modern Physics E, 0, , .  | 0.4 | 0         |
| 3730 | Disentangling quarks and gluons in CMS open data. Physical Review D, 2022, 106, .   | 1.6 | 7         |
| 3731 | Sensitivity of two-Higgs-doublet models on Higgs-pair production via $b\bar{b}$ final state. Physical Review D, 2022, 106, .  | 1.6 | 3         |
| 3732 | Top squark signal significance enhancement by different Machine Learning Algorithms. International Journal of Modern Physics A, 0, , .  | 0.5 | 0         |
| 3733 | Improved background subtraction and a fresh look at jet sub-structure in JEWEL. European Physical Journal C, 2022, 82, .  | 1.4 | 5         |
| 3734 | PanScales showers for hadron collisions: all-order validation. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 8         |
| 3735 | Review on Perovskite-Type Compound Using Machine Learning. Science of Advanced Materials, 2022, 14, 1001-1017.  | 0.1 | 2         |
| 3736 | Measurement of the polarisation of single top quarks and antiquarks produced in the t-channel at $\sqrt{s} = 13$ TeV and bounds on the $tWb$ dipole operator from the ATLAS experiment. Journal of High Energy Physics, 2022, 2022, . | 1.6 | 4         |
| 3737 | On Drell-Yan production of scalar leptoquarks coupling to heavy-quark flavours. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 9         |
| 3738 | Search for the $Z\bar{\nu}\nu$ boson decaying to a right-handed neutrino pair in leptophobic U(1) models. Physical Review D, 2022, 106, .   | 1.6 | 4         |
| 3739 | Resonant leptoquark at NLO with POWHEG. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 9         |
| 3740 | Back-to-back inclusive dijets in DIS at small x: Sudakov suppression and gluon saturation at NLO. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 23        |
| 3741 | Classical versus quantum: Comparing tensor-network-based quantum circuits on Large Hadron Collider data. Physical Review A, 2022, 106, .  | 1.0 | 7         |
| 3742 | Exploring the universality of hadronic jet classification. European Physical Journal C, 2022, 82, .   | 1.4 | 1         |
| 3743 | Dijet azimuthal correlations in p-p and p-Pb collisions at forward LHC calorimeters. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 10        |
| 3744 | Systematic quark/gluon identification with ratios of likelihoods. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 4         |
| 3745 | Theory, phenomenology, and experimental avenues for dark showers: a Snowmass 2021 report. European Physical Journal C, 2022, 82, .  | 1.4 | 15        |
| 3746 | Leptonic signatures of color-sextet scalars. Physical Review D, 2022, 106, .  | 1.6 | 1         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3747 | Machine-Learning Application for a Likelihood Ratio Estimation Problem at LHC. Applied Sciences (Switzerland), 2023, 13, 86.   | 1.3 | 0         |
| 3748 | Exploring extended Higgs sectors via pair production at the LHC. Journal of High Energy Physics, 2022, .   | 1.6 | 4         |
| 3749 | Energy correlators of hadronically decaying electroweak bosons. Physical Review D, 2022, 106, .  | 1.6 | 6         |
| 3750 | Applications of persistent homology in nuclear collisions. Physical Review C, 2022, 106, .   | 1.1 | 1         |
| 3751 | Local analytic sector subtraction for initial- and final-state radiation at NLO in massless QCD. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 2         |
| 3752 | Measurements of the associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s}=8, \text{ext } \{\text{TeV}\}$ . European Physical Journal C, 2022, 82, .  | 1.4 | 5         |
| 3753 | Search for pair production of the heavy vectorlike top partner in same-sign dilepton signature at the HL-LHC. Physical Review D, 2022, 106, .  | 1.6 | 5         |
| 3754 | Learning to identify semi-visible jets. Journal of High Energy Physics, 2022, 2022, .  | 1.6 | 4         |
| 3755 | Accelerating Transformer Neural Networks on FPGAs for High Energy Physics Experiments. , 2022, , .   |     | 1         |
| 3756 | Object Reconstruction. Springer Theses, 2023, , 63-90.   | 0.0 | 0         |
| 3757 | Variational autoencoders for anomalous jet tagging. Physical Review D, 2023, 107, .  | 1.6 | 13        |
| 3758 | Anomaly detection under coordinate transformations. Physical Review D, 2023, 107, .  | 1.6 | 3         |
| 3759 | Physics Object Reconstruction. Springer Theses, 2023, , 59-79.   | 0.0 | 0         |
| 3760 | Precise predictions for $V + 2$ jet backgrounds in searches for invisible Higgs decays. Journal of High Energy Physics, 2023, 2023, .  | 1.6 | 1         |
| 3761 | Measurement of Longitudinal Spin Transfer of the ( $\Lambda$ ( $\Lambda$ )) Hyperon in Polarized p+p Collisions at $(\sqrt{s} = 200) \hat{\in} \dots \text{GeV}$ at RHIC-STAR. , 2022, , .   |     | 0         |
| 3762 | Constraining the Polarized Gluon Distribution Function of the Proton with Recent STAR Measurements. , 2022, , .  |     | 0         |
| 3763 | Top-philic dark matter in a hybrid KSVZ axion framework. Journal of High Energy Physics, 2022, 2022, .   | 1.6 | 1         |
| 3764 | Search for the singlet vector-like lepton in $\langle i \rangle W_{\langle sub \rangle V_{\langle sub \rangle \ddot{,} \langle /sub \rangle \langle /sub \rangle \langle /i \rangle}$ channel at the TeV $\langle i \rangle e^{+} e^{-} \hat{\in} \dots \langle /sup \rangle \langle /sup \rangle \langle /i \rangle$ colliders. International Journal of Modern Physics A, 0, , . | 0.5 | 1         |

| #    | ARTICLE   | IF  | CITATIONS |
|------|---|-----|-----------|
| 3765 | Dark Matter Searches with Top Quarks. Universe, 2023, 9, 16.  | 0.9 | 2         |
| 3766 | Exploring the Quark Transversity and the Collins Fragmentation Functions Using Polarized $pp$ Collisions at STAR. , 2022, , .   |     | 0         |
| 3767 | Vector boson fusion versus gluon-gluon fusion Higgs boson production with full-event deep learning: Toward a decay-agnostic tagger. Physical Review D, 2023, 107, .           | 1.6 | 4         |
| 3768 | Semi-supervised graph neural networks for pileup noise removal. European Physical Journal C, 2023, 83, .  | 1.4 | 1         |
| 3769 | Low-mass doubly charged Higgs bosons at the LHC. Physical Review D, 2023, 107, .  | 1.6 | 6         |
| 3770 | $\frac{d\sigma}{d\Omega} \sim \frac{d\sigma}{d\Omega} \frac{d\sigma}{d\Omega} \frac{d\sigma}{d\Omega}$ at the LHC: On the size of off-shell effects and prompt $b$ production | 1.6 | 2         |
| 3771 | Performance of the electromagnetic pixel calorimeter prototype Epical-2. Journal of Instrumentation, 2023, 18, P01038.  | 0.5 | 0         |
| 3772 | NLO QCD corrections to polarized diboson production in semileptonic final states. Physical Review D, 2023, 107, .   | 1.6 | 4         |
| 3773 | Automated feature selection procedure for particle jet classification. Nuclear Physics B, 2023, 990, 116182.  | 0.9 | 0         |
| 3774 | Dijet azimuthal decorrelation in $e^+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2023, 840, 137903.                  | 1.5 | 0         |
| 3775 | Analyzing $N$ -Point Energy Correlators inside Jets with CMS Open Data. Physical Review Letters, 2023, 130, .   | 2.9 | 23        |
| 3776 | Constraints on $Z\epsilon^2$ solutions to the flavor anomalies with trans-Planckian asymptotic safety. Journal of High Energy Physics, 2023, 2023, .                          | 1.6 | 7         |
| 3777 | Azimuthal decorrelation for photon induced dijet production in ultra-peripheral collisions of heavy ions. Journal of High Energy Physics, 2023, 2023, .                       | 1.6 | 1         |
| 3778 | Jet fragmentation properties with CMS open-data. Physica Scripta, 2023, 98, 035305.   | 1.2 | 0         |
| 3779 | Observation of electroweak production of two jets and a Z-boson pair. Nature Physics, 0, , .  | 6.5 | 2         |
| 3780 | Lepton PDFs and multipurpose single-lepton searches at the LHC. Physical Review D, 2023, 107, .   | 1.6 | 3         |
| 3781 | Progress toward Accelogic compression in ROOT. Journal of Physics: Conference Series, 2023, 2438, 012060.   | 0.3 | 0         |
| 3782 | Machine learning efforts in Sherpa. Journal of Physics: Conference Series, 2023, 2438, 012144.  | 0.3 | 0         |

| #    | ARTICLE  | IF  | CITATIONS |
|------|--|-----|-----------|
| 3783 | Going off topics to demix quark and gluon jets in $\hat{1}\pm S$ extractions. Journal of High Energy Physics, 2023, 2023, .  | 1.6 | 1         |
| 3784 | The observation of jet azimuthal angular decorrelations at FCC-ep. International Journal of Modern Physics A, 2023, 38, .  | 0.5 | 0         |
| 3785 | Feasibility of the observation of a heavy scalar through the fully hadronic final state at the LHeC. European Physical Journal C, 2023, 83, .  | 1.4 | 0         |
| 3786 | Search for Higgs boson pair production in the $b\bar{b}$ final state. Physical Review D, 2023, 107, .  | 1.6 | 2         |
| 3787 | On soft gluon resummation for associated single top production with a Higgs boson at the LHC. European Physical Journal Plus, 2023, 138, .   | 1.2 | 0         |
| 3788 | Anomalous Higgs boson couplings in weak boson fusion production at NNLO in QCD. Physical Review D, 2023, 107, .  | 1.6 | 2         |
| 3789 | Probing a light dark sector at future lepton colliders via invisible decays of the SM-like and dark Higgs bosons. Physical Review D, 2023, 107, .                                      | 1.6 | 5         |
| 3790 | Jet Radius and Momentum Splitting Fraction with Dynamical Grooming in Heavy-Ion Collisions. Chinese Physics Letters, 2023, 40, 032101.   | 1.3 | 2         |
| 3791 | Identification of $b$ jets using QCD-inspired observables. Physical Review D, 2023, 107, .   | 1.6 | 6         |
| 3792 | Heavy-flavor jets in heavy-ion collisions. EPJ Web of Conferences, 2023, 276, 02014.   | 0.1 | 0         |
| 3793 | Precision boson-jet azimuthal decorrelation at hadron colliders. Journal of High Energy Physics, 2023, 2023, .   | 1.6 | 8         |
| 3794 | A detailed investigation of $W+c$ -jet at the LHC. Journal of High Energy Physics, 2023, 2023, .   | 1.6 | 4         |
| 3795 | High energy resummed predictions for the production of a Higgs boson with at least one jet. Journal of High Energy Physics, 2023, 2023, .  | 1.6 | 1         |
| 3796 | Optimizing pixel tracklet searches for shorter lifetimes. Journal of High Energy Physics, 2023, 2023, .  | 1.6 | 0         |
| 3797 | Comparing the martini and cujet models for jet quenching: Medium modification of jets and jet substructure. Physical Review C, 2023, 107, .  | 1.1 | 2         |
| 3798 | Inclusive jet and hadron suppression in a multistage approach. Physical Review C, 2023, 107, .   | 1.1 | 5         |
| 3799 | Machine learning-based jet and event classification at the Electron-Ion Collider with applications to hadron structure and spin physics. Journal of High Energy Physics, 2023, 2023, . | 1.6 | 7         |
| 3800 | NNLO QCD corrections to event shapes at the LHC. Journal of High Energy Physics, 2023, 2023, .   | 1.6 | 5         |





| #    | ARTICLE   | IF   | CITATIONS |
|------|---|------|-----------|
| 3823 | Graph neural networks at the Large Hadron Collider. Nature Reviews Physics, 2023, 5, 281-303.                           | 11.9 | 6         |
| 3876 | Event Reconstruction. Springer Theses, 2023, , 79-102.  | 0.0  | 0         |
| 3908 | Uncovering tau leptons-enriched semi-visible jets at the LHC. European Physical Journal C, 2023, 83, .                  | 1.4  | 1         |
| 3977 | Measurement of WH and ZH Production in the $H \rightarrow b\bar{b}$ Channel. Springer Theses, 2023, , 157-215.          | 0.0  | 0         |
| 3978 | Combination of Measurements of VH Production in the $H \rightarrow b\bar{b}$ Channel. Springer Theses, 2023, , 217-227. | 0.0  | 0         |
| 4011 | Experimental Particle Physics with the ATLAS Detector. Springer Theses, 2023, , 23-53.                                  | 0.0  | 0         |
| 4091 | 50 Years of quantum chromodynamics. European Physical Journal C, 2023, 83, .  | 1.4  | 8         |
| 4105 | Search for the $VH(H \rightarrow c\bar{c})$ Decay. Springer Theses, 2023, , 55-124.                                     | 0.0  | 0         |
| 4144 | The CMS Experiment at the LHC. Springer Theses, 2024, , 39-69.  | 0.0  | 0         |
| 4145 | Measurements of Single Top Quark Production in Association with a Z Boson. Springer Theses, 2024, , 105-175.            | 0.0  | 0         |