

# Steven D Worm

## List of Publications by Year in descending order

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Version: 2024-02-01

927  
papers

57,772  
citations

1463

107  
h-index

2895

190  
g-index

954  
all docs

954  
docs citations

954  
times ranked

13100  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Performance of the ATLAS Level-1 topological trigger in Run 2. European Physical Journal C, 2022, 82, 1.   | 3.9 | 6         |
| 2  | Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s} = 13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .   | 3.9 | 14        |
| 3  | 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.  | 4.7 | 2         |
| 4  | 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. | 3.9 | 8         |
| 5  | Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with $139 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.                                    | 4.7 | 10        |
| 6  | AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.   | 2.9 | 23        |
| 7  | Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow \mu^{\pm} \nu_{\mu} (\rightarrow \pi^{\pm} \nu_{\pi}) \nu_{\tau}$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.   | 3.9 | 4         |
| 8  | The ATLAS inner detector trigger performance in pp collisions at $\sqrt{s} = 13$ TeV during LHC Run 2. European Physical Journal C, 2022, 82, 1.   | 3.9 | 5         |
| 9  | 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, .  | 3.9 | 7         |
| 10 | 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, .  | 3.9 | 2         |
| 11 | Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and $13$ TeV. European Physical Journal C, 2022, 82, 1.  | 3.9 | 12        |
| 12 | 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.   | 4.7 | 4         |
| 13 | Search for squarks and gluinos in final states with jets and missing transverse momentum using $139 \text{ fb}^{-1}$ of $\sqrt{s} = 13$ TeV pp collision data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 37        |
| 14 | 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.   | 3.9 | 12        |
| 15 | Measurements of WH and ZH production in the $H \rightarrow b\bar{b}$ decay channel in pp collisions at $\sqrt{s} = 13, 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.   | 3.9 | 38        |
| 16 | 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.   | 4.7 | 18        |
| 17 | Search for type-III seesaw heavy leptons in dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.   | 3.9 | 17        |
| 18 | Measurement of light-by-light scattering and search for axion-like particles with $2.2 \text{ nb}^{-1}$ of Pb+Pb data with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 19        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Search for Higgs boson production in association with a high-energy photon via vector-boson fusion with decay into bottom quark pairs at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 6         |
| 20 | 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.  | 4.7 | 14        |
| 21 | 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.   | 4.7 | 22        |
| 22 | 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.   | 3.9 | 18        |
| 23 | Optimisation of large-radius jet reconstruction for the ATLAS detector in 13 TeV proton-proton collisions. European Physical Journal C, 2021, 81, 1.  | 3.9 | 15        |
| 24 | Search for heavy resonances decaying into a pair of Z bosons in the $e^+e^- \rightarrow e^+e^- Z Z$ and $e^+e^- \rightarrow e^+e^- u \bar{u}$ final states using 139 fb <sup>-1</sup> of proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1. | 3.9 | 40        |
| 25 | 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.   | 4.7 | 18        |
| 26 | Search for a heavy Higgs boson decaying into a Z boson and another heavy Higgs boson in the $e^+e^- \rightarrow b\bar{b} H$ and $e^+e^- \rightarrow W W H$ final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.                          | 3.9 | 26        |
| 27 | 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.  | 4.7 | 23        |
| 28 | Measurements of $W+W\gamma+1$ jet production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 8         |
| 29 | 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.   | 4.7 | 46        |
| 30 | Measurements of Higgs bosons decaying to bottom quarks from vector boson fusion production with the ATLAS experiment at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.  | 3.9 | 14        |
| 31 | Search for pair production of third-generation scalar leptoquarks decaying into a top quark and a $\bar{l}_\tau$ -lepton in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 27        |
| 32 | Search for supersymmetry in events with four or more charged leptons in 139 fb <sup>-1</sup> of $\sqrt{s} = 13$ TeV pp collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.   | 4.7 | 12        |
| 33 | 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.  | 4.7 | 10        |
| 34 | Measurements of differential cross-sections in four-lepton events in 13 TeV proton-proton collisions with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 8         |
| 35 | A search for the decays of stopped long-lived particles at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 5         |
| 36 | Muon reconstruction and identification efficiency in ATLAS using the full Run 2 pp collision data set at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.   | 3.9 | 82        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Search for squarks and gluinos in final states with one isolated lepton, jets, and missing transverse momentum at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.                         | 3.9 | 13        |
| 38 | Measurement of single top-quark production in association with a W boson in the single-lepton channel at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2021, 81, 1.                                 | 3.9 | 3         |
| 39 | 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.   | 3.9 | 64        |
| 40 | 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. | 3.9 | 12        |
| 41 | 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.   | 3.9 | 9         |
| 42 | 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.     | 4.7 | 14        |
| 43 | 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.  | 3.9 | 5         |
| 44 | 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.  | 4.7 | 12        |
| 45 | Search for R-parity-violating supersymmetry in a final state containing leptons and many jets with the ATLAS experiment using $\sqrt{s} = 13$ TeV proton-proton collision data. European Physical Journal C, 2021, 81, 1.      | 3.9 | 7         |
| 46 | 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.   | 4.7 | 10        |
| 47 | 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.                   | 4.7 | 10        |
| 48 | Measurement of the production cross section of pairs of isolated photons in pp collisions at 13 TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.  | 4.7 | 4         |
| 49 | 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.             | 4.7 | 4         |
| 50 | 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.      | 3.9 | 28        |
| 51 | Configuration and performance of the ATLAS b-jet triggers in Run 2. European Physical Journal C, 2021, 81, 1.  | 3.9 | 7         |
| 52 | Measurement of b-quark fragmentation properties in jets using the decay $B \rightarrow J/\psi K^{\pm}$ in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2021, 2021, 1.         | 4.7 | 3         |
| 53 | Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. Physics of the Dark Universe, 2020, 27, 100371.  | 4.9 | 126       |
| 54 | Recommendations on presenting LHC searches for missing transverse energy signals using simplified $s$ -channel models of dark matter. Physics of the Dark Universe, 2020, 27, 100365.  | 4.9 | 41        |

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|----|--|-----|-----------|
| 55 | Performance of the missing transverse momentum triggers for the ATLAS detector during Run-2 data taking. Journal of High Energy Physics, 2020, 2020, 1.  | 4.7 | 17        |
| 56 | Search for new non-resonant phenomena in high-mass dilepton final states with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7 | 24        |
| 57 | Measurements of the Higgs boson inclusive and differential fiducial cross sections in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.  | 3.9 | 32        |
| 58 | Fluctuations of anisotropic flow in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7 | 28        |
| 59 | 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. | 3.9 | 34        |
| 60 | Measurement of differential cross sections for single diffractive dissociation in $\sqrt{s} = 8$ TeV $pp$ collisions using the ATLAS ALFA spectrometer. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7 | 8         |
| 61 | 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.   | 4.7 | 3         |
| 62 | 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.   | 4.7 | 11        |
| 63 | Search for the $HH \rightarrow b\bar{b}$ process via vector-boson fusion production using proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 4.7 | 17        |
| 64 | 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.  | 4.7 | 12        |
| 65 | Measurement of the transverse momentum distribution of dilepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.  | 3.9 | 28        |
| 66 | 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.           | 4.7 | 4         |
| 67 | Measurements of top-quark pair spin correlations in the $e\mu$ channel at $\sqrt{s} = 13$ TeV using $pp$ collisions in the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 3.9 | 22        |
| 68 | Higgs boson production cross-section measurements and their EFT interpretation in the $4\ell$ decay channel at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.  | 3.9 | 41        |
| 69 | Search for pairs of scalar leptoquarks decaying into quarks and electrons or muons in $\sqrt{s} = 13$ TeV $pp$ collisions with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 4.7 | 36        |
| 70 | 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.  | 4.7 | 19        |
| 71 | Measurement of the $Z(\tau^+\tau^-, \tau^+\tau^0, \tau^0\tau^0)$ production cross-section in $pp$ collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.  | 4.7 | 9         |
| 72 | Measurement of long-range two-particle azimuthal correlations in Z-boson tagged $pp$ collisions at $\sqrt{s} = 8$ and 13 TeV. European Physical Journal C, 2020, 80, 1.  | 3.9 | 5         |

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|----|--|-----|-----------|
| 73 | 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.   | 3.9 | 12        |
| 74 | Measurement of $J/\psi$ production in association with a $W\Delta$ boson with pp data at 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7 | 10        |
| 75 | Search for new resonances in mass distributions of jet pairs using $139 \text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7 | 68        |
| 76 | 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.   | 4.7 | 14        |
| 77 | Reconstruction and identification of boosted $d\bar{t}$ systems in a search for Higgs boson pairs using 13 TeV proton-proton collision data in ATLAS. Journal of High Energy Physics, 2020, 2020, 1.   | 4.7 | 8         |
| 78 | Performance of electron and photon triggers in ATLAS during LHC Run 2. European Physical Journal C, 2020, 80, 1.   | 3.9 | 93        |
| 79 | Search for electroweak production of charginos and sleptons decaying into final states with two leptons and missing transverse momentum in $\sqrt{s} = 13$ TeV pp collisions using the ATLAS detector. European Physical Journal C, 2020, 80, 1. | 3.9 | 124       |
| 80 | Search for top squarks in events with a Higgs or Z boson using $139 \text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.  | 3.9 | 4         |
| 81 | Evidence for $\text{star}t\text{-}t$ production in the multilepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.   | 3.9 | 30        |
| 82 | Search for heavy diboson resonances in semileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.  | 3.9 | 29        |
| 83 | Search for light long-lived neutral particles produced in pp collisions at $\sqrt{s} = 13$ TeV and decaying into collimated leptons or light hadrons with the ATLAS detector. European Physical Journal C, 2020, 80, 1.                          | 3.9 | 21        |
| 84 | Search for a scalar partner of the top quark in the all-hadronic $t\bar{t}$ plus missing transverse momentum final state at $\sqrt{s} = 13$ TeV with the ATLAS detector. European Physical Journal C, 2020, 80, 1.                               | 3.9 | 36        |
| 85 | Alignment of the ATLAS Inner Detector in Run 2. European Physical Journal C, 2020, 80, 1.  | 3.9 | 12        |
| 86 | 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.   | 3.9 | 15        |
| 87 | 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.  | 4.7 | 49        |
| 88 | 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.  | 3.9 | 28        |
| 89 | 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.  | 4.7 | 21        |
| 90 | 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.  | 4.7 | 8         |

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|-----|--|-----|-----------|
| 91  | Measurement of $W^{\pm}Z$ production cross sections and gauge boson polarisation in pp collisions at $\sqrt{s} = 13\text{--}13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.  | 3.9 | 41        |
| 92  | Searches for third-generation scalar leptoquarks in $\sqrt{s} = 13\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 4.7 | 30        |
| 93  | Search for scalar resonances decaying into $\hat{1}/4 + \hat{1}/4$ in events with and without b-tagged jets produced in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.         | 4.7 | 15        |
| 94  | Search for diboson resonances in hadronic final states in $139\text{ fb}^{-1}$ of pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.  | 4.7 | 20        |
| 95  | Search for excited electrons singly produced in proton-proton collisions at $\sqrt{s} = 13\text{--}13\text{ TeV}$ with the ATLAS experiment at the LHC. European Physical Journal C, 2019, 79, .   | 3.9 | 4         |
| 96  | Identification of boosted Higgs bosons decaying into b-quark pairs with the ATLAS detector at $\sqrt{s} = 13\text{ TeV}$ . European Physical Journal C, 2019, 79, .  | 3.9 | 21        |
| 97  | Measurement of the cross-section and charge asymmetry of W bosons produced in proton-proton collisions at $\sqrt{s} = 8\text{--}13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.  | 3.9 | 24        |
| 98  | Measurement of jet-substructure observables in top quark, W boson and light jet production in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.                                   | 4.7 | 13        |
| 99  | Electron reconstruction and identification in the ATLAS experiment using the 2015 and 2016 LHC proton-proton collision data at $\sqrt{s} = 13\text{--}13\text{ TeV}$ . European Physical Journal C, 2019, 79, 1.   | 3.9 | 77        |
| 100 | Measurement of distributions sensitive to the underlying event in inclusive Z boson production in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 3.9 | 3         |
| 101 | Searches for scalar leptoquarks and differential cross-section measurements in dilepton-dijet events in proton-proton collisions at a centre-of-mass energy of $\sqrt{s} = 13\text{ TeV}$ with the ATLAS experiment. European Physical Journal C, 2019, 79, 1. | 3.9 | 22        |
| 102 | Search for single production of vector-like quarks decaying into Wb in pp collisions at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 4.7 | 27        |
| 103 | Search for top-quark decays $t \rightarrow Hq$ with $36\text{ fb}^{-1}$ of pp collision data at $\sqrt{s} = 13\text{ TeV}$ with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.   | 4.7 | 19        |
| 104 | Measurement of $VH$ , $\text{H} \rightarrow \text{b}\overline{\text{b}}$ production as a function of the vector-boson transverse momentum in $13\text{ TeV}$ pp collisions with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.             | 4.7 | 14        |
| 105 | Measurements of W and Z boson production in pp collisions at $\sqrt{s} = 5.02\text{ TeV}$ with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 3.9 | 17        |
| 106 | Performance of top-quark and $W$ -boson tagging with ATLAS in Run 2 of the LHC. European Physical Journal C, 2019, 79, 1.  | 3.9 | 42        |
| 107 | Measurements of inclusive and differential fiducial cross-sections of $\text{t}\gamma$ production in leptonic final states at $\sqrt{s} = 13\text{--}13\text{ TeV}$ in ATLAS. European Physical Journal C, 2019, 79, 1.  | 3.9 | 14        |
| 108 | Electron and photon energy calibration with the ATLAS detector using 2015-2016 LHC proton-proton collision data. Journal of Instrumentation, 2019, 14, P03017-P03017.  | 1.2 | 37        |

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|-----|--|-----|-----------|
| 109 | Search for doubly charged scalar bosons decaying into same-sign W boson pairs with the ATLAS detector. European Physical Journal C, 2019, 79, 58.  | 3.9 | 61        |
| 110 | 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.        | 4.7 | 39        |
| 111 | In situ calibration of large-radius jet energy and mass in $\sqrt{s}=13$ TeV proton-proton collisions with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 3.9 | 28        |
| 112 | Measurement of the photon identification efficiencies with the ATLAS detector using LHC Run 2 data collected in 2015 and 2016. European Physical Journal C, 2019, 79, 1.   | 3.9 | 46        |
| 113 | Measurement of the ratio of cross sections for inclusive isolated-photon production in pp collisions at $\sqrt{s}=13$ and 8 TeV with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.                                | 4.7 | 6         |
| 114 | Measurement of the top quark mass in the $t\bar{t} \rightarrow t\bar{t} + \gamma$ . European Physical Journal C, 2019, 79, 1.  | 3.9 | 47        |
| 115 | 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.                                   | 4.7 | 55        |
| 116 | A strategy for a general search for new phenomena using data-derived signal regions and its application within the ATLAS experiment. European Physical Journal C, 2019, 79, 1.   | 3.9 | 25        |
| 117 | Measurement of the top-quark mass in $t\bar{t} + 1$ -jet events collected with the ATLAS detector in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.   | 4.7 | 27        |
| 118 | Measurement of fiducial and differential $W^+W^-$ production cross-sections at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.  | 3.9 | 24        |
| 119 | Measurement of ZZ production in the $\gamma\gamma, \gamma Z, Z\gamma$ final state with the ATLAS detector in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.  | 4.7 | 6         |
| 120 | Measurement of $W^{\pm}$ -boson and Z-boson production cross-sections in pp collisions at $\sqrt{s}=2.76$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 3.9 | 8         |
| 121 | Measurement of the inclusive cross-section for the production of jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8$ TeV using the ATLAS detector. European Physical Journal C, 2019, 79, 1.                | 3.9 | 9         |
| 122 | Search for heavy neutral leptons in decays of W bosons produced in 13 TeV pp collisions using prompt and displaced signatures with the ATLAS detector. Journal of High Energy Physics, 2019, 2019, 1.                                  | 4.7 | 50        |
| 123 | Measurement of $W^{\pm}$ boson production in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ – $8.16$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.   | 3.9 | 17        |
| 124 | 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.  | 3.9 | 130       |
| 125 | Measurement of flow harmonics correlations with mean transverse momentum in lead-lead and lead-proton collisions at $\sqrt{s_{\text{NN}}} = 5.02$ – $8.16$ TeV with the ATLAS detector. European Physical Journal C, 2019, 79, 1.      | 3.9 | 36        |
| 126 | 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. | 3.9 | 34        |



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|-----|--|-----|-----------|
| 127 | Search for bottom-squark pair production with the ATLAS detector in final states containing Higgs bosons, b-jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.   | 4.7 | 14        |
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| 414 | Measurement of the cross section ratio $\sigma(\tilde{\chi}^0_1 \tilde{\chi}^0_1)/\sigma(\tilde{\chi}^0_1 \tilde{\chi}^0_1)$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 745, 5-28.               | 4.1 | 15        |



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| 488 | Measurement of the ratio $\sigma_{\text{pp}}/\sigma_{\text{pp}}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV |     |           |

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| 526 | Measurement of the $\chi(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 73        |
| 527 | 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.   | 4.7 | 50        |
| 528 | 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.   | 4.7 | 15        |
| 529 | Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.   | 4.7 | 33        |
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| 535 | Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 4.1 | 22        |
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| 545 | 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.                              | 4.7 | 16        |
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| 560 | Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the production cross section in pp collisions at $\sqrt{s} = 7$ TeV.  | 4.1 | 47        |
| 561 | Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the production cross section in pp collisions at $\sqrt{s} = 7$ TeV.  | 4.1 | 9         |
| 562 | Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV.   | 4.1 | 18        |
| 563 | Search for anomalous production of highly boosted Z bosons decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV.   | 4.1 | 81        |
| 564 | Search for anomalous production of highly boosted Z bosons decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV.   | 4.1 | 34        |
| 565 | Search for anomalous production of highly boosted Z bosons decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV.   | 4.1 | 6         |
| 566 | Search for anomalous production of highly boosted Z bosons decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV.   | 4.1 | 6         |
| 567 | Search for anomalous production of highly boosted Z bosons decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV.   | 4.1 | 6         |

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| 578 | CDF silicon tracking detectors, 1988–2011. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 699, 84-88.  | 1.6 | 0         |
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| 581 | Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.  | 4.1 | 520       |
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| 583 | 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.  | 3.9 | 64        |
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| 586 | Search for contact interactions in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 221801.  | 4.7 | 5         |
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| 590 | -Parity-Violating Supersymmetry Using Three or More Leptons and Tagged Jets. Physical Review Letters, 2013, 111, 221801.   | 7.8 | 47        |
| 591 | Search for Z resonances decaying to dilepton+jet final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .   | 4.7 | 34        |
| 592 | Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .   | 4.7 | 11        |
| 593 | Search for fractionally charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .   | 4.7 | 12        |
| 594 | Search for new physics in events with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .   | 4.7 | 41        |

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| 596 | Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.                                     | 7.8 | 61        |
| 597 | Search for pair-produced dijet resonances in four-jet final states in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.                            | 7.8 | 43        |
| 598 | Search for Pair-Production of Third-Generation Leptoquarks and Top Squarks in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.                               | 4.7 | 12        |
| 599 | Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .                             | 7.8 | 44        |
| 600 | Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .                             | 4.7 | 13        |
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| 609 | Search for pair production of first- and second-generation scalar leptoquarks in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.                 | 4.7 | 32        |
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| 611 | Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 022301.                          | 7.8 | 62        |
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| 618 | Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 252002.   | 4.7 | 18        |
| 619 | 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, .                       | 4.7 | 41        |
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| 624 | Performance of $\tau$ , $q$ -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.   | 4.7 | 39        |
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| 628 | Search for heavy bottom-like quarks in $4.9 \text{ fb}^{-1}$ of $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                             | 4.7 | 6         |
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| 631 | Measurement of the $Z/\hat{3}^* \hat{a} \hat{e} \hat{b}$ -jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 39        |
| 632 | Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 31        |
| 633 | Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 68        |
| 634 | Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7; \text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 117       |
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| 636 | Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = \{\text{ext}\{7\text{TeV}\}\}$ . Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 17        |
| 637 | 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.   | 4.7 | 30        |
| 638 | 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.  | 4.7 | 13        |
| 639 | Search for anomalous $\overline{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 58        |
| 640 | 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.   | 4.7 | 168       |
| 641 | Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 15        |
| 642 | 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.  | 4.7 | 95        |
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| 650 | Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7  | 34        |
| 651 | 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.   | 4.7  | 83        |
| 652 | 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.  | 4.7  | 14        |
| 653 | Measurement of the top-quark mass in $\overline{\text{t}}\text{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.                             | 4.7  | 38        |
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| 657 | Search for heavy neutrinos and $\text{W}^{\pm}\text{R}$ bosons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 4.7  | 108       |
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| 660 | Search for heavy neutrinos and $\text{W}^{\pm}\text{R}$ bosons with Right-Handed Couplings in a Left-Right Symmetric Model in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.          | 4.1  | 37        |
| 661 | Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.                        | 4.1  | 37        |
| 662 | Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121. | 4.1  | 45        |
| 663 | Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.  | 2.76 | 83        |
| 664 | Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121. | 4.1  | 45        |
| 665 | Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.  | 4.1  | 29        |
| 666 | Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.  | 3.9  | 33        |

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| 667 | Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, \text{ and } 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.                         | 3.9 | 154       |
| 668 | A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.  | 3.9 | 129       |
| 669 | Measurement of the top-quark mass in $\overline{t}t$ events with dilepton final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.                                 | 3.9 | 42        |
| 670 | Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1. | 3.9 | 26        |
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| 685 | Search for $B_{\text{ext}}^{\text{s}} \hat{t}^{\text{t}} \hat{t}^{\text{t}} + \hat{t}^{\text{t}} \hat{t}^{\text{t}}$ and $B \hat{t}^{\text{t}} \hat{t}^{\text{t}} + \hat{t}^{\text{t}} \hat{t}^{\text{t}}$ decays. Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 57        |
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| 687 | Search for microscopic black holes in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 34        |
| 688 | 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.  | 4.7 | 16        |
| 689 | Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 15        |
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| 691 | Search for the standard model Higgs boson decaying to $WZ$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.  | 4.1 | 111       |
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| 693 | Search for the standard model Higgs boson decaying to $WZ$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.  | 4.1 | 122       |
| 694 | Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.   | 4.1 | 111       |
| 695 | Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.   | 4.1 | 148       |
| 696 | Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.   | 4.1 | 17        |
| 697 | Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.   | 4.1 | 111       |
| 698 | Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.  | 3.9 | 369       |
| 699 | Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.  | 3.9 | 181       |
| 700 | Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 58        |
| 701 | Exclusive $\hat{t}^{\text{t}} \hat{t}^{\text{t}} \hat{t}^{\text{t}} \hat{t}^{\text{t}} + \hat{t}^{\text{t}} \hat{t}^{\text{t}}$ production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.  | 4.7 | 56        |
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| 704 | Measurement of the differential cross section for isolated prompt photon production in collisions at 7 TeV. Physical Review D, 2011, 84.   | 4.7 | 88        |
| 705 | Measurement of the Cross Section with Observation and studies of jet quenching in PbPb collisions at 2.76 TeV. Physical Review C, 2011, 84.  | 4.7 | 65        |
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| 708 | Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.   | 7.8 | 153       |
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| 713 | Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.        | 4.1 | 14        |
| 714 | Measurement of the production cross section in pp collisions at 7 TeV. European Physical Journal C, 2011, 71, 1.   | 4.1 | 12        |
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| 723 | Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 23        |
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| 732 | Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.       | 4.7 | 10        |
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| 735 | Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 13        |
| 736 | Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 29        |
| 737 | Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.       | 4.7 | 40        |
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| 742 | 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.   | 4.7 | 32        |
| 743 | Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 97        |
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| 753 | Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 25-47.         | 4.1 | 28        |
| 754 | Search for a heavy gauge boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.   | 4.1 | 27        |
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| 759 | Search for Pair Production of Second-Generation Scalar Leptoquarks in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 211803.                          | 7.8 | 208       |
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| 761 | Study of $Z$ Boson Production in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.   | 7.8 | 47        |
| 762 | 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.           | 7.8 | 21        |
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| 767 | Search for Three-jet Resonances in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 211802.   | 7.8 | 74        |
| 768 | Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231801. | 7.8 | 60        |
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| 831 | Measurement of $d\hat{f}/d\hat{M}$ and Forward-Backward Charge Asymmetry for High-Mass Drell-Yane+ $e\hat{a}^{\sim}$ Pairs from $pp\bar{p}$ Collisions at $s=1.8$ TeV. Physical Review Letters, 2001, 87, 131802. | 7.8 | 27        |
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| 839 | Measurement of the differential dijet mass cross section in $pp\bar{p}$ collisions at $s=1.8$ TeV. Physical Review D, 2000, 61, .   | 4.7 | 7         |
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| 841 | Observation of Diffractive $b$ -Quark Production at the Fermilab Tevatron. Physical Review Letters, 2000, 84, 232-237.  | 7.8 | 42        |
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| 843 | Search for Scalar Top Quark Production in $pp\bar{p}$ Collisions at $s=1.8$ TeV. Physical Review Letters, 2000, 84, 5273-5278.  | 7.8 | 26        |
| 844 | Search for New Particles Decaying to $\hat{t}\hat{t}^{\sim}$ in $pp\bar{p}$ Collisions at $\hat{s}=1.8$ TeV. Physical Review Letters, 2000, 85, 2062-2067.  | 7.8 | 38        |
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| 846 | Limits on Light Gravitino Production and New Processes with Large Missing Transverse Energy in $pp\bar{p}$ Collisions at $s=1.8$ TeV. Physical Review Letters, 2000, 85, 1378-1383.                               | 7.8 | 20        |



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| 856 | Search for a Fourth-Generation Quark More Massive than the Z Boson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 2000, 84, 835-840.                                     | 7.8 | 24        |
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