

# Nikola Godinovic

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4633631/publications.pdf>

Version: 2024-02-01

1,131  
papers

60,827  
citations

2101

100  
h-index

3034

188  
g-index

1155  
all docs

1155  
docs citations

1155  
times ranked

16137  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | 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.  | 4.1  | 6,177     |
| 2  | The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.  | 1.2  | 2,192     |
| 3  | Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .  | 12.6 | 654       |
| 4  | 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.   | 3.9  | 541       |
| 5  | 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       |
| 6  | Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.  | 3.9  | 499       |
| 7  | Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.   | 4.7  | 497       |
| 8  | Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.   | 4.1  | 477       |
| 9  | Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Transverse Momentum and Pseudorapidity Distributions of Charged Hadrons in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2011, 71, 1555-1570. | 2.9  | 455       |
| 10 | Observation of long-range, near-side angular correlations in proton-proton collisions at $\sqrt{s} = 7, 8$ TeV. Journal of High Energy Physics, 2010, 2010, 1.   | 7.8  | 400       |
| 11 | Study of high- $p_T$ charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.   | 3.9  | 369       |
| 12 | Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.   | 3.9  | 355       |
| 13 | Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.   | 4.1  | 354       |
| 14 | Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.  | 1.2  | 348       |
| 15 | Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.   | 3.9  | 342       |
| 16 | Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7, 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.  | 4.7  | 320       |
| 17 | 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.   | 3.9  | 320       |
| 18 | The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.   | 1.2  | 307       |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | The major upgrade of the MAGIC telescopes, Part II: A performance study using observations of the Crab Nebula. <i>Astroparticle Physics</i> , 2016, 72, 76-94.  | 4.3 | 305       |
| 20 | Measurement of the properties of a Higgs boson in the four-lepton final state. <i>Physical Review D</i> , 2014, 89, .   | 4.7 | 299       |
| 21 | Measurement of the $\langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s}$ $\langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s}$ Branching Fraction and Search for $\langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s}$ $\langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s} \langle \sigma \rangle_{B \rightarrow s}$ <i>Physical Review Letters</i> . | 7.8 | 282       |
| 22 | MAGIC DISCOVERY OF VERY HIGH ENERGY EMISSION FROM THE FSRQ PKS 1222+21. <i>Astrophysical Journal Letters</i> , 2011, 730, L8.   | 8.3 | 277       |
| 23 | Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $\langle \sigma \rangle_{Z \rightarrow Z} \langle \sigma \rangle_{Z \rightarrow Z} \langle \sigma \rangle_{Z \rightarrow Z} \langle \sigma \rangle_{Z \rightarrow Z}$ $\langle \sigma \rangle_{Z \rightarrow Z} \langle \sigma \rangle_{Z \rightarrow Z} \langle \sigma \rangle_{Z \rightarrow Z} \langle \sigma \rangle_{Z \rightarrow Z}$ Boson Pairs. <i>Physical Review Letters</i> , 2013, 110, 081803.   | 7.8 | 270       |
| 24 | Evidence for collectivity in pp collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 765, 193-220.  | 4.1 | 243       |
| 25 | Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014, 74, 3036.  | 3.9 | 241       |
| 26 | Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. <i>Journal of Instrumentation</i> , 2018, 13, P05011-P05011.   | 1.2 | 241       |
| 27 | Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.   | 4.7 | 230       |
| 28 | Observation of Sequential $\langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}}$ $\langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}}$ Suppression in PbPb Collisions. <i>Physical Review Letters</i> , 2012, 109, 222301.   | 7.8 | 220       |
| 29 | Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018, 121, 121801.  | 7.8 | 219       |
| 30 | Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. <i>Journal of Instrumentation</i> , 2017, 12, P02014-P02014.   | 1.2 | 216       |
| 31 | Observation of $\langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}}$ $\langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}} \langle \sigma \rangle_{\text{PbPb}}$ Production. <i>Physical Review Letters</i> , 2018, 120, 221801.  | 7.8 | 209       |
| 32 | Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. <i>Physical Review Letters</i> , 2011, 107, 221804.  | 7.8 | 208       |
| 33 | Suppression of non-prompt $J/\psi$ , prompt $J/\psi$ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.  | 4.7 | 200       |
| 34 | Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020, 80, 4.   | 3.9 | 198       |
| 35 | Search for lepton-flavour-violating decays of the Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 337-362.  | 4.1 | 193       |
| 36 | Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 542.   | 3.9 | 191       |

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|----|---|-----|-----------|
| 37 | Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .                         | 2.9 | 185       |
| 38 | 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, .                           | 4.7 | 185       |
| 39 | Performance of the MAGIC stereo system obtained with Crab Nebula data. Astroparticle Physics, 2012, 35, 435-448.  | 4.3 | 183       |
| 40 | Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 181       |
| 41 | Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2018, 13, P06015-P06015.       | 1.2 | 180       |
| 42 | Search for heavy neutrinos and $W$ bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.         | 3.9 | 179       |
| 43 | Evidence for Collective Multiparticle Correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 012301.                           | 7.8 | 177       |
| 44 | Science with e-ASTROGAM. Journal of High Energy Astrophysics, 2018, 19, 1-106.  | 6.7 | 177       |
| 45 |   |     |           |

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|----|---|-----|-----------|
| 55 | Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, \sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.  | 3.9 | 154       |
| 56 | Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.   | 7.8 | 153       |
| 57 | The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. Astroparticle Physics, 2016, 72, 61-75.   | 4.3 | 150       |
| 58 | Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.                          | 4.1 | 148       |
| 59 | Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{T}$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.                  | 3.9 | 147       |
| 60 | Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 520-551. | 4.1 | 146       |
| 61 | THE 2010 VERY HIGH ENERGY $\gamma$ -RAY FLARE AND 10 YEARS OF MULTI-WAVELENGTH OBSERVATIONS OF M 87. Astrophysical Journal, 2012, 746, 151.   | 4.5 | 145       |
| 62 | 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.  | 4.1 | 144       |
| 63 | The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. Astrophysical Journal Letters, 2018, 863, L10.  | 8.3 | 141       |
| 64 | Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and Pb collisions. Physical Review C, 2015, 92, .   | 2.9 | 140       |
| 65 | Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 139       |
| 66 | Measurement of Long-Range Near-Side Two-Particle Angular Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 172302.  | 7.8 | 139       |
| 67 | Prompt and non-prompt $J/\psi$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.   | 3.9 | 135       |
| 68 | Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .  | 2.9 | 133       |
| 69 | Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 2.76, 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.                | 4.1 | 130       |
| 70 | A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.   | 3.9 | 129       |
| 71 | Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 64-85.  | 4.1 | 129       |
| 72 | Search for Dijet Resonances in $\sqrt{s} = 7$ TeV Pb-Pb Collisions at CMS. Physical Review Letters, 2010, 105, 211801.  | 7.8 | 126       |





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|-----|--|-----|-----------|
| 91  | Measurement of the rapidity structure in the $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at $\sqrt{s} = 0.9, 2.36, 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.1 | 112       |
| 92  | MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. Astrophysical Journal, 2010, 710, 634-647.  | 4.5 | 110       |
| 93  | Measurement of the rapidity and transverse momentum distributions of bosons in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at $\sqrt{s} = 0.9, 2.36, 7$ TeV. Journal of High Energy Physics, 2014, 2014, 008-008.    | 4.1 | 110       |
| 94  | Measurement of the rapidity and transverse momentum distributions of bosons in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at $\sqrt{s} = 0.9, 2.36, 7$ TeV. Journal of High Energy Physics, 2014, 2014, 008-008.    | 4.7 | 108       |
| 95  | Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 122301.  | 7.8 | 108       |
| 96  | Observation of Charge-Dependent Azimuthal Correlations in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301. | 7.8 | 108       |
| 97  | Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36, 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.  | 4.7 | 106       |
| 98  | Optimized dark matter searches in deep observations of Segue 1 with MAGIC. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 008-008.  | 5.4 | 105       |
| 99  | 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.   | 4.7 | 103       |
| 100 | Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 121803.  | 7.8 | 102       |
| 101 | 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.                                      | 4.7 | 101       |
| 102 | Nuclear modification factor of D0 mesons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 474-496.                    | 4.1 | 101       |
| 103 | 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.                                 | 4.7 | 100       |
| 104 | Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 99        |
| 105 | Measurement of the prompt $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at $\sqrt{s} = 0.9, 2.36, 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 99        |
| 106 | Measurement of the prompt $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions at $\sqrt{s} = 0.9, 2.36, 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.   | 4.7 | 99        |

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|-----|---|-----|-----------|
| 109 | Measurement of the Electron Charge Asymmetry in Inclusive Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.  | 7.8 | 97        |
| 110 | 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.   | 7.8 | 95        |
| 111 | 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.   | 4.7 | 95        |
| 112 | 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.   | 4.7 | 95        |
| 113 | Measurement of $W+W_a$ production and search for the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.   | 7.8 | 94        |
| 114 | Measurement of Inclusive Higgs Boson Production Cross Sections in $pp$ Collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physical Review D, 2016, 93.   | 7.8 | 94        |
| 115 | Measurement of the top quark mass using proton-proton data at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physical Review D, 2016, 93.  | 4.7 | 92        |
| 116 | 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.   | 4.7 | 92        |
| 117 | Unprecedented study of the broadband emission of Mrk 421 during flaring activity in March 2010. Astronomy and Astrophysics, 2015, 578, A22.   | 5.1 | 92        |
| 118 | First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443. | 4.1 | 90        |
| 119 | Searches for new physics using $\theta_{\text{eff}}^{\text{inv}}$ invariant mass distribution in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physical Review Letters, 2013, 111, 211804.   | 7.8 | 90        |
| 120 | Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physical Review D, 2015, 91, .   | 4.7 | 90        |
| 121 | MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. Astrophysical Journal, 2016, 819, 156.  | 4.5 | 90        |
| 122 | Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, . | 4.1 | 89        |
| 123 | Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, . | 4.1 | 89        |
| 124 | Measurement of the $W$ production cross section in $pp$ collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, .                                      | 4.7 | 88        |
| 125 | Measurement of the $W$ production cross section in $pp$ collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, .                                      | 4.1 | 88        |
| 126 | Measurement of the $W$ production cross section in $pp$ collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, .                                      | 4.1 | 88        |



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|-----|---|-----|-----------|
| 127 | Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.  | 4.1 | 87        |
| 128 | Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.  | 3.9 | 88        |
| 129 | Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.  | 4.1 | 87        |
| 130 | Angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$ from pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.   | 4.1 | 87        |
| 131 | Observation of Electroweak Production of Same-Sign $W^{\pm}Z$ Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 489-511. | 4.7 | 86        |
| 132 | Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.   | 4.7 | 86        |
| 134 | Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 85        |
| 135 | Evidence of $b$ -jet Quenching in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.  | 7.8 | 85        |
| 136 | Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.   | 4.7 | 85        |
| 137 | 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.   | 4.7 | 85        |
| 138 | Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.  | 3.9 | 85        |
| 139 | Phase-resolved energy spectra of the Crab pulsar in the range of 50-400 GeV measured with the MAGIC telescopes. Astronomy and Astrophysics, 2012, 540, A69.   | 5.1 | 84        |
| 140 | The 2009 multiwavelength campaign on Mrk 421: Variability and correlation studies. Astronomy and Astrophysics, 2015, 576, A126.   | 5.1 | 84        |
| 141 | Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.   | 1.2 | 84        |
| 142 | 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        |
| 143 | Measurement of the muon charge asymmetry in inclusive $B \rightarrow \mu X$ decays in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 722, 1-10.  | 4.7 | 83        |
| 144 | Measurement of the muon charge asymmetry in inclusive $B \rightarrow \mu X$ decays in pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 722, 1-10.  | 4.7 | 83        |

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|-----|---|-----|-----------|
| 145 | Measurement of the differential cross section and charge asymmetry for inclusive $\{p\}\mathrm{p}\rightarrow\mathrm{p}\{W\}^{\pm}+X$ production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.      | 3.9 | 83        |
| 146 | Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s}=5.02$ TeV $\mathrm{PbPb}$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2018, 78, 509.                                 | 3.9 | 83        |
| 147 | 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.                               | 1.2 | 83        |
| 148 | Measurement of the $\mathrm{J}/\psi$ production cross section in $\sqrt{s}=13$ TeV proton-proton collisions. Journal of High Energy Physics, 2018, 2018, 1.   | 7.8 | 82        |
| 149 | Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. Astronomy and Astrophysics, 2016, 585, A133.   | 5.1 | 82        |
| 150 | Suppression and azimuthal anisotropy of prompt and nonprompt $\mathrm{J}/\psi$ production in $\sqrt{s}=2.76$ TeV $\mathrm{PbPb}$ collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2017, 77, 252.  | 3.9 | 82        |
| 151 | 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.        | 4.7 | 82        |
| 152 | $\mathrm{J}/\psi$ and $\psi(2S)$ production in $\sqrt{s}=7$ TeV $pp$ collisions. Journal of High Energy Physics, 2012, 2012, 1.   | 4.7 | 81        |
| 153 | Search for heavy narrow dilepton resonances in $\sqrt{s}=7$ TeV $pp$ collisions. Journal of High Energy Physics, 2012, 2012, 1.   | 4.1 | 81        |
| 154 | Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in $\sqrt{s}=8$ TeV $pp$ collisions. Journal of High Energy Physics, 2014, 2014, 1.  | 4.7 | 81        |
| 155 | Search for a charged Higgs boson in $\sqrt{s}=8$ TeV $pp$ collisions. Journal of High Energy Physics, 2015, 2015, 1.  | 4.7 | 81        |
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