

Ivica Puljak

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1,077
papers

42,563
citations

87
h-index

160
g-index

1,126
ext. papers

48,862
ext. citations

5
avg. IF

3.96
L-index

| # | Paper | IF | Citations |
|------|--|------|-----------|
| 1077 | Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 30-61 | 4.2 | 5161 |
| 1076 | The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008 , 3, S08004-S08004 | 1 | 1276 |
| 1075 | Observation of long-range, near-side angular correlations in pPb collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 795-814 | 4.2 | 452 |
| 1074 | Combined results of searches for the standard model Higgs boson in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 26-48 | 4.2 | 437 |
| 1073 | Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. <i>Science</i> , 2018 , 361, | 33.3 | 407 |
| 1072 | 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[Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 212 | 4.2 | 399 |
| 1071 | Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2011 , 84, | 2.7 | 395 |
| 1070 | Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010 , 2010, 1 | 5.4 | 389 |
| 1069 | Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at square root of $s = 7$ TeV. <i>Physical Review Letters</i> , 2010 , 105, 022002 | 7.4 | 353 |
| 1068 | Study of high-p T charged particle suppression in PbPb compared to pp collisions at ($\sqrt{s_{\mathit{NN}}}=2.76\sim\mathit{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 316 |
| 1067 | Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 724, 213-240 | 4.2 | 315 |
| 1066 | 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 | 5.4 | 261 |
| 1065 | Measurement of the properties of a Higgs boson in the four-lepton final state. <i>Physical Review D</i> , 2014 , 89, | 4.9 | 260 |
| 1064 | Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 235 | 4.2 | 250 |
| 1063 | Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016 , 76, 155 | 4.2 | 250 |
| 1062 | Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014 , 74, 3076 | 4.2 | 239 |
| 1061 | Study of the mass and spin-parity of the Higgs boson candidate via its decays to Z boson pairs. <i>Physical Review Letters</i> , 2013 , 110, 081803 | 7.4 | 235 |

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| 1060 | Particle-flow reconstruction and global event description with the CMS detector. <i>Journal of Instrumentation</i> , 2017 , 12, P10003-P10003 | 1 | 234 |
| 1059 | Measurement of the $B_s(0) \rightarrow \mu^+ \mu^-$ branching fraction and search for $B(0) \rightarrow \mu^+ \mu^-$ with the CMS experiment. <i>Physical Review Letters</i> , 2013 , 111, 101804 | 7.4 | 220 |
| 1058 | The CMS trigger system. <i>Journal of Instrumentation</i> , 2017 , 12, P01020-P01020 | 1 | 210 |
| 1057 | 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 | 5.4 | 201 |
| 1056 | 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 | 2.4 | 199 |
| 1055 | Search for supersymmetry at the LHC in events with jets and missing transverse energy. <i>Physical Review Letters</i> , 2011 , 107, 221804 | 7.4 | 188 |
| 1054 | Suppression of non-prompt J/ψ and $(\Upsilon)(1S)$ in PbPb collisions at ($\sqrt{s_{NN}} = 2.76$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 184 |
| 1053 | 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 | 4.2 | 183 |
| 1052 | 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 | 4.2 | 175 |
| 1051 | Observation of sequential Υ suppression in PbPb collisions. <i>Physical Review Letters</i> , 2012 , 109, 222301 | 7.4 | 172 |
| 1050 | 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 | 4.2 | 171 |
| 1049 | Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 196-218 | 4.2 | 166 |
| 1048 | Search for top-squark pair production in the single-lepton final state in pp collisions at ($\sqrt{s}=8$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 162 |
| 1047 | Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at ($\sqrt{s_{NN}}=2.76$ TeV). <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 158 |
| 1046 | Search for dark matter and large extra dimensions in monojet events in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 155 |
| 1045 | Combined measurements of Higgs boson couplings in proton-proton collisions at. <i>European Physical Journal C</i> , 2019 , 79, 421 | 4.2 | 153 |
| 1044 | Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 152 |
| 1043 | 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 | 152 |

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|------|--|-----|-----|
| 1042 | 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 | 149 |
| 1041 | Search for heavy neutrinos and [Formula: see text] bosons with right-handed couplings in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2014 , 74, 3149 | 4.2 | 149 |
| 1040 | Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2013 , 87, | 2.7 | 148 |
| 1039 | Evidence for Collective Multiparticle Correlations in p-Pb Collisions. <i>Physical Review Letters</i> , 2015 , 115, 012301 | 7.4 | 145 |
| 1038 | Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks. <i>Physical Review D</i> , 2014 , 89, | 4.9 | 145 |
| 1037 | Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 176-197 | 4.2 | 144 |
| 1036 | Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 144 |
| 1035 | Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 142 |
| 1034 | Standard model Higgs-boson branching ratios with uncertainties. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 142 |
| 1033 | Performance of the MAGIC stereo system obtained with Crab Nebula data. <i>Astroparticle Physics</i> , 2012 , 35, 435-448 | 2.4 | 141 |
| 1032 | Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 403-425 | 4.2 | 138 |
| 1031 | Indications of suppression of excited χ states in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 052302 | 7.4 | 137 |
| 1030 | Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $(\sqrt{s} = 0.9, 2.76, \text{ and } 7) \sim \text{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 133 |
| 1029 | Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. <i>European Physical Journal C</i> , 2014 , 74, 2980 | 4.2 | 131 |
| 1028 | Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 730, 243-263 | 4.2 | 124 |
| 1027 | Measurement of the inclusive W and Z production cross sections in pp collisions at $(\sqrt{s} = 7)$ TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 121 |
| 1026 | Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of Instrumentation</i> , 2018 , 13, P06015-P06015 | 1 | 118 |
| 1025 | Prompt and non-prompt J/ψ production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 118 |

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| 1024 | Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 64-85 | 4.2 | 116 |
| 1023 | Search for dijet resonances in 7 TeV pp collisions at CMS. <i>Physical Review Letters</i> , 2010 , 105, 211801 | 7.4 | 116 |
| 1022 | Search for dark matter and large extra dimensions in pp collisions yielding a photon and missing transverse energy. <i>Physical Review Letters</i> , 2012 , 108, 261803 | 7.4 | 116 |
| 1021 | Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s}=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 494-519 | 4.2 | 113 |
| 1020 | Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 256-277 | 4.2 | 111 |
| 1019 | Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 713, 68-90 | 4.2 | 111 |
| 1018 | A search for a doubly-charged Higgs boson in pp collisions at ($\sqrt{s} = 7\text{TeV}$). <i>European Physical Journal C</i> , 2012 , 72, 1 | 4.2 | 111 |
| 1017 | Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 123-142 | 4.2 | 111 |
| 1016 | Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 7\text{TeV}$. <i>Physical Review Letters</i> , 2012 , 109, 171803 | 7.4 | 111 |
| 1015 | Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. <i>Physical Review C</i> , 2014 , 89, | 2.7 | 109 |
| 1014 | Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 773-794 | 4.2 | 109 |
| 1013 | Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions. <i>Physical Review C</i> , 2015 , 92, | 2.7 | 104 |
| 1012 | Measurements of inclusive W and Z cross sections in pp collisions at ($\sqrt{s} = 7\text{TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 104 |
| 1011 | Inclusive search for a vector-like T quark with charge . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 729, 149-171 | 4.2 | 103 |
| 1010 | Measurement of differential top-quark-pair production cross sections in pp collisions at ($\sqrt{s} = 7\text{TeV}$). <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 102 |
| 1009 | The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. <i>Astroparticle Physics</i> , 2016 , 72, 61-75 | 2.4 | 101 |
| 1008 | Evidence for the 125 GeV Higgs boson decaying to a pair of τ leptons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 101 |
| 1007 | Search for a light charged Higgs boson in top quark decays in pp collisions at ($\sqrt{s} = 7\text{TeV}$). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 101 |

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| 1006 | CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010 , 70, 116541-92 | 99 |
| 1005 | Black hole physics. Black hole lightning due to particle acceleration at subhorizon scales. <i>Science</i> , 2014 , 346, 1080-4 | 33.3 98 |
| 1004 | Measurement of the differential cross section for top quark pair production in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 542 | 4.2 98 |
| 1003 | Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 071801 | 7.4 96 |
| 1002 | Observation of $t\bar{t}$ Production. <i>Physical Review Letters</i> , 2018 , 120, 231801 | 7.4 96 |
| 1001 | Searches for long-lived charged particles in pp collisions at $(\sqrt{s})=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 96 |
| 1000 | MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. <i>Astrophysical Journal</i> , 2010 , 710, 634-647 | 4.7 95 |
| 999 | Azimuthal anisotropy of charged particles at high transverse momenta in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012 , 109, 022301 | 7.4 95 |
| 998 | Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 132001 | 7.4 94 |
| 997 | Optimized dark matter searches in deep observations of Segue 1 with MAGIC. <i>Journal of Cosmology and Astroparticle Physics</i> , 2014 , 2014, 008-008 | 6.4 93 |
| 996 | Search for supersymmetry in hadronic final states using M T2 in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 92 |
| 995 | Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 172302 | 7.4 90 |
| 994 | Measurement of jet fragmentation in PbPb and pp collisions at $s_{NN}=2.76$ TeV. <i>Physical Review C</i> , 2014 , 90, | 2.7 89 |
| 993 | Charged particle multiplicities in pp interactions at $(\sqrt{s}=0.9)$, 2.36, and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 89 |
| 992 | The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. <i>Astrophysical Journal Letters</i> , 2018 , 863, L10 | 7.9 88 |
| 991 | Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $(\sqrt{s_{NN}})=2.76$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 87 |
| 990 | Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 520-551 | 4.2 86 |
| 989 | Measurement of $W+W$ production and search for the Higgs boson in pp collisions at $s=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 25-47 | 4.2 86 |

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| 988 | Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV with the CMS detector. <i>Physical Review D</i> , 2013 , 87, | 4.9 | 85 |
| 987 | Search for the standard model Higgs boson in the decay channel $H \rightarrow ZZ \rightarrow 4\ell$ in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2012 , 108, 111804 | 7.4 | 85 |
| 986 | Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 83 |
| 985 | Observation of a peaking structure in the J/ψ mass spectrum from $B_{\text{c}} \rightarrow J/\psi K_{\text{c}}$ decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 734, 261-281 | 4.2 | 83 |
| 984 | Search for the standard model Higgs boson decaying to $\tau\tau$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 710, 91-113 | 4.2 | 83 |
| 983 | Measurement of the prompt τ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 381-402 | 4.2 | 83 |
| 982 | Search for supersymmetry in hadronic final states with missing transverse energy using the variables M_{eff} and b-quark multiplicity in pp collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2013 , 73, 2568 | 4.2 | 82 |
| 981 | Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 81 |
| 980 | First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 695, 424-443 | 4.2 | 79 |
| 979 | Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018 , 121, 121801 | 7.4 | 79 |
| 978 | Observation of the Higgs boson decay to a pair of τ leptons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 779, 283-316 | 4.2 | 78 |
| 977 | Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 720, 63-82 | 4.2 | 78 |
| 976 | Strange particle production in pp collisions at $\sqrt{s}=0.9$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 78 |
| 975 | Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 77 |
| 974 | Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 77 |
| 973 | Upsilon production cross section in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2011 , 83, | 4.9 | 77 |
| 972 | Study of W boson production in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 715, 66-87 | 4.2 | 76 |
| 971 | Searches for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 211804 | 7.4 | 76 |

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| 970 | Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 769, 520-542 | 4.2 | 74 |
| 969 | Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $(\sqrt{s}) = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 74 |
| 968 | Measurement of the inelastic proton-proton cross section at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 5-27 | 4.2 | 74 |
| 967 | Searches for invisible decays of the Higgs boson in pp collisions at $(\sqrt{s}) = 7, 8,$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 74 |
| 966 | Phase-resolved energy spectra of the Crab pulsar in the range of 50-400 GeV measured with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012 , 540, A69 | 5.1 | 74 |
| 965 | Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 587-609 | 4.2 | 73 |
| 964 | Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 73 |
| 963 | Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $(\sqrt{s_{\mathrm{NN}}}) = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 73 |
| 962 | Observation of Charge-Dependent Azimuthal Correlations in p-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. <i>Physical Review Letters</i> , 2017 , 118, 122301 | 7.4 | 72 |
| 961 | Measurement of the $W+W$ and ZZ production cross sections in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 721, 190-211 | 4.2 | 72 |
| 960 | Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. <i>European Physical Journal C</i> , 2014 , 74, 2847 | 4.2 | 71 |
| 959 | Measurement of the U_S , U_8 , and U_3 polarizations in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 081802 | 7.4 | 71 |
| 958 | Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 70 |
| 957 | Measurement of the single-top-quark t-channel cross section in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 70 |
| 956 | Measurement of the underlying event activity at the LHC with $(\sqrt{s}=7)$ TeV and comparison with $(\sqrt{s}=0.9)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 70 |
| 955 | Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 69 |
| 954 | Measurement of the top quark mass using proton-proton data at $(\sqrt{s}=7)$ and 8 TeV. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 69 |
| 953 | J/ψ and $\psi(2S)$ production in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 69 |

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| 952 | DETECTION OF VERY HIGH ENERGY γ RAY EMISSION FROM THE PERSEUS CLUSTER HEAD-TAIL GALAXY IC 310 BY THE MAGIC TELESCOPES. <i>Astrophysical Journal Letters</i> , 2010 , 723, L207-L212 | 7.9 | 69 |
| 951 | Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at ($\sqrt{s_{\mathrm{NN}}}$) = 5.02) (,text {TeV}). <i>European Physical Journal C</i> , 2014 , 74, 1 | 4.2 | 67 |
| 950 | Detection of very-high energy γ ray emission from NGC 1275 by the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012 , 539, L2 | 5.1 | 67 |
| 949 | Search for vectorlike charge $2/3$ T quarks in proton-proton collisions at (\sqrt{s})=8 TeV. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 66 |
| 948 | Study of Z Boson Production in PbPb Collisions at ($\sqrt{s_{\mathrm{NN}}}$)=2.76 TeV. <i>Physical Review Letters</i> , 2011 , 106, 212301 | 7.4 | 66 |
| 947 | Search for anomalous production of multilepton events in pp collisions at (\sqrt{s}) = 7,TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 65 |
| 946 | Measurement of the electron charge asymmetry in inclusive W production in pp collisions at \sqrt{s} =7 TeV. <i>Physical Review Letters</i> , 2012 , 109, 111806 | 7.4 | 65 |
| 945 | Charged-particle nuclear modification factors in PbPb and pPb collisions at ($\sqrt{s_{\mathrm{NN}}}$)=5.02) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 64 |
| 944 | Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 742, 200-224 | 4.2 | 64 |
| 943 | Search for anomalous production of events with three or more leptons in pp collisions at \sqrt{s} =8 TeV. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 64 |
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| 932 | Search for high-mass resonances in dilepton final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 63 |
| 931 | Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 62 |
| 930 | Study of vector boson scattering and search for new physics in events with two same-sign leptons and two jets. <i>Physical Review Letters</i> , 2015 , 114, 051801 | 7.4 | 62 |
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| 927 | Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 747, 98-119 | 4.2 | 62 |
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| 915 | Search for a standard model-like Higgs boson in the $\mu\mu$ and $e+e$ decay channels at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 744, 184-207 | 4-2 | 59 |
| 914 | Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5-4 | 59 |
| 913 | Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 709, 28-49 | 4-2 | 59 |
| 912 | Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 714, 158-179 | 4-2 | 59 |
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| 910 | Angular analysis of the decay $B_0 \rightarrow \mu^+ \mu^- \tau^+ \tau^-$ from pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 753, 424-448 | 4-2 | 59 |
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| 908 | Search for heavy Majorana neutrinos in $\mu\mu +$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 748, 144-166 | 4-2 | 58 |
| 907 | Search for top-quark partners with charge 5/3 in the same-sign dilepton final state. <i>Physical Review Letters</i> , 2014 , 112, 171801 | 7-4 | 58 |
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| 899 | Observation of a new Λ baryon. <i>Physical Review Letters</i> , 2012 , 108, 252002 | 7-4 | 57 |

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| 897 | Measurement of the $W+W$ cross section in pp collisions at $(\sqrt{s} = 7\text{ TeV})$ and limits on anomalous WW and WWZ couplings. <i>European Physical Journal C</i> , 2013 , 73, 1 | 4-2 | 56 |
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| 894 | Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 767, 147-170 | 4-2 | 55 |
| 893 | 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. <i>European Physical Journal C</i> , 2015 , 75, 251 | 4-2 | 55 |
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| 890 | Search for new phenomena with the variable in the all-hadronic final state produced in proton-proton collisions at. <i>European Physical Journal C</i> , 2017 , 77, 710 | 4-2 | 54 |
| 889 | Measurement of inclusive W and Z boson production cross sections in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 191802 | 7-4 | 54 |
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| 878 | Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 50 |
| 877 | Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 147 | 4.2 | 50 |
| 876 | 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. <i>Physical Review Letters</i> , 2018 , 120, 081801 | 7.4 | 50 |
| 875 | Search for supersymmetry in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 733, 328-353 | 4.2 | 50 |
| 874 | 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. <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 50 |
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| 863 | Measurement of the B_0 production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 252001 | 7.4 | 48 |

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| 861 | Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 83-104 | 4.2 | 47 |
| 860 | Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with h. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 755, 217-244 | 4.2 | 46 |
| 859 | Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 46 |
| 858 | Search for flavor-changing neutral currents in top-quark decays $t \rightarrow Zq$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014 , 112, 171802 | 7.4 | 46 |
| 857 | Measurement of the relative prompt production rate of γ and W in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2012 , 72, 2251 | 4.2 | 46 |
| 856 | Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 46 |
| 855 | Search for new physics with jets and missing transverse momentum in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 46 |
| 854 | Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy. <i>Physical Review Letters</i> , 2012 , 109, 071803 | 7.4 | 46 |
| 853 | Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 45 |
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| 851 | Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 45 |
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| 848 | Measurement of dijet angular distributions and search for quark compositeness in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 201804 | 7.4 | 45 |
| 847 | Measurement of the differential cross section for isolated prompt photon production in pp collisions at 7 TeV. <i>Physical Review D</i> , 2011 , 84, | 4.9 | 45 |
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| 845 | Measurement of the X(3872) production cross section via decays to $J/\psi \gamma$ in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 44 |

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| 838 | Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 700, 187-206 | 4.2 | 44 |
| 837 | Search for $B(s)(0) \rightarrow \mu\bar{\mu}$ and $B(0) \rightarrow \mu\bar{\mu}$ decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 191802 | 7.4 | 44 |
| 836 | Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 44 |
| 835 | Measurement of the ($\overline{t}t$) production cross section in the dilepton channel in pp collisions at (\sqrt{s}) = 8 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 43 |
| 834 | Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 43 |
| 833 | Searches for heavy Higgs bosons in two-Higgs-doublet models and for $t \rightarrow e\gamma$ decay using multilepton and diphoton final states in pp collisions at 8 TeV. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 43 |
| 832 | Search for leptonic decays of W^\pm bosons in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 43 |
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| 823 | Measurement of the extragalactic background light using MAGIC and Fermi-LAT gamma-ray observations of blazars up to $z = 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 4233-4251 | 4.3 | 41 |
| 822 | Measurement of J/ψ and $\psi(2S)$ Prompt Double-Differential Cross Sections in pp Collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2015 , 114, 191802 | 7.4 | 41 |
| 821 | Search for supersymmetry using razor variables in events with b-tagged jets in pp collisions at $s=8$ TeV. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 41 |
| 820 | Measurement of the ratio $B(t \rightarrow Wb)/B(t \rightarrow Wq)$ in pp collisions at $s=8\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 736, 33-57 | 4.2 | 41 |
| 819 | Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV. <i>Physical Review D</i> , 2017 , 95, | 4.9 | 41 |
| 818 | 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. <i>European Physical Journal C</i> , 2015 , 75, 186 | 4.2 | 41 |
| 817 | Measurement of prompt J/ψ pair production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 41 |
| 816 | Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 41 |
| 815 | Search for heavy Majorana neutrinos in $\tau\tau$ +jets and $e\mu e\tau$ +jets events in pp collisions at $s=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 717, 109-128 | 4.2 | 41 |
| 814 | Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013 , 111, 081802 | 7.4 | 41 |
| 813 | Measurement of the inelastic proton-proton cross section at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 41 |
| 812 | Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 40 |
| 811 | Search for pair production of third-generation leptoquarks and top squarks in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 081801 | 7.4 | 40 |
| 810 | Inclusive search for squarks and gluinos in pp collisions at $s=7$ TeV. <i>Physical Review D</i> , 2012 , 85, | 4.9 | 40 |
| 809 | Electron reconstruction in CMS. <i>European Physical Journal C</i> , 2007 , 49, 1099-1116 | 4.2 | 40 |

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| 808 | Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review C</i> , 2017 , 96, | 2.7 | 39 |
| 807 | Search for displaced supersymmetry in events with an electron and a muon with large impact parameters. <i>Physical Review Letters</i> , 2015 , 114, 061801 | 7.4 | 39 |
| 806 | Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 39 |
| 805 | Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector. <i>Journal of Instrumentation</i> , 2019 , 14, P07004-P07004 | 1 | 39 |
| 804 | Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 39 |
| 803 | Study of the underlying event at forward rapidity in pp collisions at ($\sqrt{s}=0.9, 2.76, \dots, 7$ TeV). <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 39 |
| 802 | Measurement of the ZZ production cross section and search for anomalous couplings in 200 final states in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 39 |
| 801 | Multiwavelength observations of Mrk 501 in 2008. <i>Astronomy and Astrophysics</i> , 2015 , 573, A50 | 5.1 | 39 |
| 800 | MAGIC long-term study of the distant TeV blazar PKS 1424+240 in a multiwavelength context. <i>Astronomy and Astrophysics</i> , 2014 , 567, A135 | 5.1 | 39 |
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| 798 | Discovery of VHE γ -rays from the blazar 1ES 215+303 with the MAGIC telescopes and simultaneous multi-wavelength observations. <i>Astronomy and Astrophysics</i> , 2012 , 544, A142 | 5.1 | 39 |
| 797 | Search for natural and split supersymmetry in proton-proton collisions at ($\sqrt{s}=13$) TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 39 |
| 796 | Measurement of Prompt $D^{\{0\}}$ Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 202301 | 7.4 | 39 |
| 795 | Measurement of the pp- $\tau\tau$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 740, 250-272 | 4.2 | 38 |
| 794 | Search for new physics in events with same-sign dileptons and jets in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 38 |
| 793 | Search for microscopic black holes in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 38 |
| 792 | Measurement of prompt $\tau\tau$ to J/ψ yield ratios in Pb-Pb and p-p collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2014 , 113, 262301 | 7.4 | 38 |
| 791 | Search for top squark and Higgsino production using diphoton Higgs boson decays. <i>Physical Review Letters</i> , 2014 , 112, 161802 | 7.4 | 38 |

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| 790 | Measurement of W and Z production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 535-555 | 4.2 | 38 |
| 789 | Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $(\sqrt{s} = 7)$ TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 38 |
| 788 | Search for stopped Gluinos in pp collisions at square root $s=7$ TeV. <i>Physical Review Letters</i> , 2011 , 106, 011801 | 7.4 | 38 |
| 787 | Measurement of the $\sigma_{\text{had}}^{\text{had}}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous gauge couplings. <i>European Physical Journal C</i> , 2016 , 76, 401 | 4.2 | 38 |
| 786 | Detection of very high energy gamma-ray emission from the gravitationally lensed blazar QSO B0218+357 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2016 , 595, A98 | 5.1 | 38 |
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| 783 | 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. <i>European Physical Journal C</i> , 2015 , 75, 288 | 4.2 | 37 |
| 782 | Measurement of the differential cross section and charge asymmetry for inclusive W production at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2016 , 76, 469 | 4.2 | 37 |
| 781 | Measurement of associated W + charm production in pp collisions at $(\sqrt{s}) = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 37 |
| 780 | 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 | 5.4 | 37 |
| 779 | Measurement of masses in the WZ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013 , 73, 2494 | 4.2 | 37 |
| 778 | Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $(\sqrt{s}=7)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 37 |
| 777 | Search for the standard model Higgs boson produced through vector boson fusion and decaying to bb . <i>Physical Review D</i> , 2015 , 92, | 4.9 | 37 |
| 776 | Limits on the Higgs boson lifetime and width from its decay to four charged leptons. <i>Physical Review D</i> , 2015 , 92, | 4.9 | 37 |
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| 773 | Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 37 |

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| 772 | Measurement of prompt and nonprompt charmonium suppression in collisions at 5.02. <i>European Physical Journal C</i> , 2018 , 78, 509 | 4.2 | 37 |
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| 769 | Contemporaneous observations of the radio galaxy NGC 1275 from radio to very high energy γ rays. <i>Astronomy and Astrophysics</i> , 2014 , 564, A5 | 5.1 | 36 |
| 768 | Rapid and multiband variability of the TeV bright active nucleus of the galaxy IC 310. <i>Astronomy and Astrophysics</i> , 2014 , 563, A91 | 5.1 | 36 |
| 767 | Measurement of the ratio of inclusive jet cross sections using the anti-kT algorithm with radius parameters $R=0.5$ and 0.7 in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 36 |
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| 765 | First measurement of the underlying event activity at the LHC with $(\sqrt{s} = 0.9)$ TeV. <i>European Physical Journal C</i> , 2010 , 70, 555-572 | 4.2 | 36 |
| 764 | Measurement of the double-differential inclusive jet cross section in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 451 | 4.2 | 36 |
| 763 | Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 121803 | 7.4 | 35 |
| 762 | Search for disappearing tracks in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 35 |
| 761 | Search for pair-produced vectorlike B quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 35 |
| 760 | Study of Z boson production in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 36-57 | 4.2 | 35 |
| 759 | Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 13 | 4.2 | 35 |
| 758 | Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p+Pb Collisions at $\sqrt{s_{NN}}=8.16$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 082301 | 7.4 | 35 |
| 757 | Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 35 |
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| 755 | 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 $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 35 |

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| 753 | Search for top squarks in R-parity-violating supersymmetry using three or more leptons and b-tagged jets. <i>Physical Review Letters</i> , 2013 , 111, 221801 | 7.4 | 35 |
| 752 | Measurement of the $(\mathit{t}\bar{\mathit{t}})$ production cross section in pp collisions at $(\sqrt{s}=7)$ TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , 2011 , 71, 1 | 4.2 | 35 |
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| 750 | First measurement of hadronic event shapes in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 699, 48-67 | 4.2 | 35 |
| 749 | Search for lepton flavour violating decays of the Higgs boson to $e\bar{\nu}$ and $e\nu$ in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 472-500 | 4.2 | 35 |
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| 747 | 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. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 34 |
| 746 | Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 751, 143-163 | 4.2 | 34 |
| 745 | Search for new physics in same-sign dilepton events in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 439 | 4.2 | 34 |
| 744 | Search for microscopic black holes in pp collisions at $(\sqrt{s} = \text{7 TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 34 |
| 743 | Measurement of associated production of vector bosons and top quark-antiquark pairs in pp collisions at $\sqrt{s}=7$ TeV. <i>Physical Review Letters</i> , 2013 , 110, 172002 | 7.4 | 34 |
| 742 | Search for heavy stable charged particles in pp collisions at $(\sqrt{s} = 7; \text{TeV})$. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 34 |
| 741 | Search for three-jet resonances in pp collisions at square root $(\sqrt{s}=7)$ TeV. <i>Physical Review Letters</i> , 2011 , 107, 101801 | 7.4 | 34 |
| 740 | MAGIC observations of the February 2014 flare of 1ES 1011+496 and ensuing constraint of the EBL density. <i>Astronomy and Astrophysics</i> , 2016 , 590, A24 | 5.1 | 34 |
| 739 | Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 440-467 | 4.2 | 34 |
| 738 | Search for decays of stopped long-lived particles produced in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 151 | 4.2 | 33 |
| 737 | Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 33 |

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| 736 | Measurement of charged pion, kaon, and proton production in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2017 , 96, | 4.9 | 33 |
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| 734 | Search for a light charged Higgs boson decaying to ($\overline{\text{c}}\text{s}$) in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1-37 | 5.4 | 33 |
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| 730 | Search for neutral resonances decaying into a Z boson and a pair of b jets or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 369-394 | 4.2 | 33 |
| 729 | Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 775, 1-24 | 4.2 | 32 |
| 728 | Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 32 |
| 727 | Search for resonances in the dilepton mass distribution in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 32 |
| 726 | Search for supersymmetry in pp collisions at ($\sqrt{s} = 7$) TeV in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 32 |
| 725 | Measurement of the Drell-Yan cross section in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 32 |
| 724 | PG 1553+113: FIVE YEARS OF OBSERVATIONS WITH MAGIC. <i>Astrophysical Journal</i> , 2012 , 748, 46 | 4.7 | 32 |
| 723 | Measurement of the charge ratio of atmospheric muons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 692, 83-104 | 4.2 | 32 |
| 722 | Observation of Two Excited B_{c}^{+} States and Measurement of the $B_{c}^{+}(2S)$ Mass in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 132001 | 7.4 | 31 |
| 721 | Search for a new bottomonium state decaying to γ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 727, 57-76 | 4.2 | 31 |
| 720 | Search for a γ . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 1229-1251 | 4.2 | 31 |
| 719 | Measurement of the $t\bar{t}$ production cross section in pp collisions at $s=7$ TeV in dilepton final states containing a μ . <i>Physical Review D</i> , 2012 , 85, | 4.9 | 31 |

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| 717 | Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s}=8$ TeV decaying to a Z and a Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 748, 255-277 | 4.2 | 30 |
| 716 | Bounds on Lorentz Invariance Violation from MAGIC Observation of GRB 190114C. <i>Physical Review Letters</i> , 2020 , 125, 021301 | 7.4 | 30 |
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| 714 | Measurement of the $(\overline{\text{t}}\text{t})$ production cross section in the $e\bar{e}$ channel in proton-proton collisions at $(\sqrt{s}=7)$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1 | 5.4 | 30 |
| 713 | Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 152-180 | 4.2 | 30 |
| 712 | Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 30 |
| 711 | Inclusive b-jet production in pp collisions at $(\sqrt{s} = 7\text{TeV})$. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 30 |
| 710 | Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 30 |
| 709 | 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. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 30 |
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| 706 | Search for an $L\bar{L}$ gauge boson using $Z \rightarrow \bar{L}L$ events in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 792, 345-368 | 4.2 | 29 |
| 705 | Measurements of the production cross section and the branching fraction, and constraints on anomalous triple gauge couplings at. <i>European Physical Journal C</i> , 2018 , 78, 165 | 4.2 | 29 |
| 704 | Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or \bar{B} b-quark jets in 7 TeV pp collisions using the variable \cancel{E}_T . <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 29 |
| 703 | Performance of the MAGIC telescopes under moonlight. <i>Astroparticle Physics</i> , 2017 , 94, 29-41 | 2.4 | 29 |
| 702 | Observation of $Y(1S)$ pair production in proton-proton collisions at $(\sqrt{s}=8)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 29 |
| 701 | Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 682-705 | 4.2 | 29 |

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| 694 | 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 | 5.4 | 29 |
| 693 | 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. <i>Physical Review Letters</i> , 2017 , 119, 141802 | 7.4 | 28 |
| 692 | Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2016 , 116, 052002 | 7.4 | 28 |
| 691 | Combined search for anomalous pseudoscalar HVV couplings in $VH(H\rightarrow b\bar{b})$ production and $H\rightarrow VV$ decay. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 672-696 | 4.2 | 28 |
| 690 | Search for heavy Majorana neutrinos in $e\bar{e}\mu\mu$ jets and $e\mu\mu\mu$ jets events in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1 | 5.4 | 28 |
| 689 | Search for long-lived particles in events with photons and missing energy in proton-proton collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 273-294 | 4.2 | 28 |
| 688 | Detection of bridge emission above 50 GeV from the Crab pulsar with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2014 , 565, L12 | 5.1 | 28 |
| 687 | MAGIC observations and multifrequency properties of the flat spectrum radio quasar 3C 279 in 2011. <i>Astronomy and Astrophysics</i> , 2014 , 567, A41 | 5.1 | 28 |
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| 685 | Search for physics beyond the standard model using multilepton signatures in . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 411-433 | 4.2 | 28 |
| 684 | Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 28 |
| 683 | Search for a heavy bottom-like quark in pp collisions at . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 204-223 | 4.2 | 28 |

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| 681 | Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two τ leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 462-488 | 4.2 | 28 |
| 680 | Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 28 |
| 679 | Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 791, 96-129 | 4.2 | 27 |
| 678 | Measurement of the production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. <i>European Physical Journal C</i> , 2019 , 79, 368 | 4.2 | 27 |
| 677 | Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp and p+Pb Collisions at the LHC. <i>Physical Review Letters</i> , 2018 , 120, 092301 | 7.4 | 27 |
| 676 | Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2018 , 120, 142302 | 7.4 | 27 |
| 675 | Evidence for exclusive $\tau^+\tau^-W^+W^-$ production and constraints on anomalous quartic gauge couplings in pp collisions at ($\sqrt{s}=7$) and 8 TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1 | 5.4 | 27 |
| 674 | Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 27 |
| 673 | Measurement of ($\overline{B}B$) angular correlations based on secondary vertex reconstruction at ($\sqrt{s} = 7, \sqrt{\text{TeV}}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 27 |
| 672 | Long-term multi-wavelength variability and correlation study of Markarian 421 from 2007 to 2009. <i>Astronomy and Astrophysics</i> , 2016 , 593, A91 | 5.1 | 27 |
| 671 | Azimuthal anisotropy of charged particles with transverse momentum up to $100 \text{ GeV}/c$ in PbPb collisions at $\sqrt{s_{NN}}=5.02 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 776, 195-216 | 4.2 | 27 |
| 670 | Measurement of prompt and nonprompt $[B]$ production in $[B]$ and $[B]$ collisions at $[B]$. <i>European Physical Journal C</i> , 2017 , 77, 269 | 4.2 | 26 |
| 669 | Measurement of the CP-violating weak phase ϕ_s and the decay width difference $\Delta\Gamma$ using the $B_s^0 \rightarrow \tau^+\tau^- (1020)$ decay channel in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 757, 97-120 | 4.2 | 26 |
| 668 | Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 26 |
| 667 | Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 26 |
| 666 | Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 726, 564-586 | 4.2 | 26 |
| 665 | 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. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 26 |

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| 664 | Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 26 |
| 663 | Search for high-mass resonances decaying into dilepton pairs in pp collisions at $\sqrt{s}=7\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 82-102 | 4.2 | 26 |
| 662 | Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at ($\sqrt{s} = 7, \text{TeV}$). <i>Journal of High Energy Physics</i> , 2011 , 2011, 1 | 5.4 | 26 |
| 661 | Search for a heavy gauge boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 698, 21-39 | 4.2 | 26 |
| 660 | Search for a Z' . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 701, 160-179 | 4.2 | 26 |
| 659 | Search for a W' or techni- W decaying into WZ in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Physical Review Letters</i> , 2012 , 109, 141801 | 7.4 | 26 |
| 658 | Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13 \text{ TeV}$. <i>Physical Review D</i> , 2018 , 98, | 4.9 | 26 |
| 657 | Search for monotop signatures in proton-proton collisions at $\sqrt{s}=8 \text{ TeV}$. <i>Physical Review Letters</i> , 2015 , 114, 101801 | 7.4 | 25 |
| 656 | A measurement of the Higgs boson mass in the diphoton decay channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135425 | 4.2 | 25 |
| 655 | Measurement of the W-boson helicity in top-quark decays from ($\overline{\text{t}}\text{t}$) production in lepton+jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2013 , 2013, 1 | 5.4 | 25 |
| 654 | Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 774, 533-558 | 4.2 | 25 |
| 653 | Search for top squark pair production in pp collisions at ($\sqrt{s}=13$) TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 25 |
| 652 | Measurements of the $\sigma(\text{t}\overline{\text{t}})$ production cross sections in the $\text{t}\overline{\text{t}}\text{b}\overline{\text{b}}$ channel in proton-proton collisions at $\sqrt{s}=7$ and $\sqrt{s}=13$ TeV and combined constraints on triple gauge couplings. <i>European Physical Journal C</i> , 2015 , 75, 511 | 4.2 | 25 |
| 651 | Search for resonant ($\overline{\text{t}}\text{t}$) production in lepton+jets events in pp collisions at ($\sqrt{s}=7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 25 |
| 650 | Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016 , 76, 371 | 4.2 | 25 |
| 649 | Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in collisions at 8. <i>European Physical Journal C</i> , 2018 , 78, 701 | 4.2 | 25 |
| 648 | Search for charged Higgs bosons in the $\text{H}\overline{\text{H}} \rightarrow \text{t}\overline{\text{t}}$ decay channel in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1 | 5.4 | 24 |
| 647 | Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 790, 140-166 | 4.2 | 24 |

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| 646 | Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99, | 4.9 | 24 |
| 645 | Measurements of jet multiplicity and differential production cross sections of Z+jets events in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2015 , 91, | 4.9 | 24 |
| 644 | Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 325 | 4.2 | 24 |
| 643 | Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 75 | 4.2 | 24 |
| 642 | Measurement of inclusive jet production and nuclear modifications in pPb collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 372 | 4.2 | 24 |
| 641 | Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2013 , 73, 2674 | 4.2 | 24 |
| 640 | Search for WW and WZ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2014 , 90, | 4.9 | 24 |
| 639 | Measurement of the $Z/\gamma + b$ -jet cross section in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 24 |
| 638 | Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 24 |
| 637 | Search for three-jet resonances in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 718, 329-347 | 4.2 | 24 |
| 636 | Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\mu\mu$ channel in pp collisions at ($\sqrt{s} = 7$) TeV. <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 24 |
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| 634 | Discovery of TeV γ emission from the pulsar wind nebula 3C 58 by MAGIC. <i>Astronomy and Astrophysics</i> , 2014 , 567, L8 | 5.1 | 24 |
| 633 | Search for Higgs boson pair production in the $\mu\mu b\bar{b}$ final state in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 7-36 | 4.2 | 24 |
| 632 | 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 | 5.4 | 24 |
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| 627 | Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 221802 | 7.4 | 23 |
| 626 | Measurement of four-jet production in proton-proton collisions at $\sqrt{s}=7$ TeV. <i>Physical Review D</i> , 2014 , 89, | 4.9 | 23 |
| 625 | Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 716, 260-284 | 4.2 | 23 |
| 624 | Combined search for the quarks of a sequential fourth generation. <i>Physical Review D</i> , 2012 , 86, | 4.9 | 23 |
| 623 | Search for third-generation scalar leptoquarks decaying to a top quark and a lepton at. <i>European Physical Journal C</i> , 2018 , 78, 707 | 4.2 | 23 |
| 622 | Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at $(\sqrt{s})=13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 23 |
| 621 | Measurement of the $[Formula: see text]$ production cross section using events in the $[Formula: see text]$ final state in pp collisions at $[Formula: see text]$. <i>European Physical Journal C</i> , 2017 , 77, 172 | 4.2 | 22 |
| 620 | Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 021801 | 7.4 | 22 |
| 619 | Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 754, 59-80 | 4.2 | 22 |
| 618 | Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $(\sqrt{s})=13$ TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 22 |
| 617 | Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 781, 244-269 | 4.2 | 22 |
| 616 | Study of Jet Quenching with Z+jet Correlations in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review Letters</i> , 2017 , 119, 082301 | 7.4 | 22 |
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| 613 | 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. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 22 |
| 612 | Discovery of VHE γ emission from the BL Lacertae object B3 2247+381 with the MAGIC telescopes. <i>Astronomy and Astrophysics</i> , 2012 , 539, A118 | 5.1 | 22 |
| 611 | Measurement of the ZZ production cross section and $Z \rightarrow b\bar{b}$ branching fraction in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 763, 280-303 | 4.2 | 22 |

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| 608 | Search for a standard model-like Higgs boson in the mass range between 70 and 110 GeV in the diphoton final state in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 793, 320-347 | 4.2 | 21 |
| 607 | Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2015 , 75, 66 | 4.2 | 21 |
| 606 | Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 21 |
| 605 | Measurements of $t\bar{t}$ spin correlations and top quark polarization using dilepton final states in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review D</i> , 2016 , 93, | 4.9 | 21 |
| 604 | Correlations between jets and charged particles in PbPb and pp collisions at ($\sqrt{s_{\text{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1 | 5.4 | 21 |
| 603 | Measurement of the [Formula: see text] production cross section in the all-jets final state in pp collisions at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 128 | 4.2 | 21 |
| 602 | Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 785, 14-39 | 4.2 | 21 |
| 601 | Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at (\sqrt{s}) = 7 TeV. <i>Journal of High Energy Physics</i> , 2014 , 2014, 1 | 5.4 | 21 |
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| 599 | Measurement of the ($\text{t}\bar{\text{t}}$) production cross section in the $\text{t}\bar{\text{t}}$ jets channel in pp collisions at ($\sqrt{s}=7$ TeV). <i>European Physical Journal C</i> , 2013 , 73, 1 | 4.2 | 21 |
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| 596 | Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 21 |
| 595 | Search for excited quarks in the $\text{t}\bar{\text{t}}$ jet final state in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014 , 738, 274-293 | 4.2 | 21 |
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| 591 | The CMS barrel calorimeter response to particle beams from 2 to 350 GeV/c. <i>European Physical Journal C</i> , 2009 , 60, 359-373 | 4.2 | 21 |
| 590 | 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. <i>Physical Review D</i> , 2016 , 94, | 4.9 | 21 |
| 589 | Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at ($\sqrt{s_{\mathrm{NN}}}=2.76$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1 | 5.4 | 21 |
| 588 | Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1 | 5.4 | 21 |
| 587 | Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 745, 5-28 | 4.2 | 20 |
| 586 | Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 20 |
| 585 | Measurement of quarkonium production cross sections in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 251-272 | 4.2 | 20 |
| 584 | Search for massive resonances decaying into WW, WZ, ZZ, qW, and qZ with dijet final states at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018 , 97, | 4.9 | 20 |
| 583 | Measurement of [Formula: see text] production with additional jet activity, including [Formula: see text] quark jets, in the dilepton decay channel using pp collisions at [Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 379 | 4.2 | 20 |
| 582 | Search for a low-mass pseudoscalar Higgs boson produced in association with a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 758, 296-320 | 4.2 | 20 |
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| 579 | Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at. <i>European Physical Journal C</i> , 2018 , 78, 140 | 4.2 | 20 |
| 578 | Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2019 , 99, | 4.9 | 20 |
| 577 | Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at. <i>European Physical Journal C</i> , 2019 , 79, 564 | 4.2 | 20 |
| 576 | Measurement of the production cross section for pairs of isolated photons in pp collisions at ($\sqrt{s}=7$;TeV). <i>Journal of High Energy Physics</i> , 2012 , 2012, 1 | 5.4 | 20 |
| 575 | Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 719, 42-61 | 4.2 | 20 |

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| 572 | Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at. <i>European Physical Journal C</i> , 2017 , 77, 636 | 4.2 | 20 |
| 571 | Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 718, 815-840 | 4.2 | 20 |
| 570 | MAGIC observations of the giant radio galaxy M87 in a low-emission state between 2005 and 2007. <i>Astronomy and Astrophysics</i> , 2012 , 544, A96 | 5.1 | 20 |
| 569 | Search for anomalous single top quark production in association with a photon in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2016 , 2016, 1 | 5.4 | 20 |
| 568 | Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 241802 | 7.4 | 20 |
| 567 | 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 | 5.4 | 20 |
| 566 | 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 | 5.4 | 20 |
| 565 | Measurements of the [Formula: see text] production cross section in lepton+jets final states in pp collisions at 8 [Formula: see text] and ratio of 8 to 7 [Formula: see text] cross sections. <i>European Physical Journal C</i> , 2017 , 77, 15 | 4.2 | 19 |
| 564 | Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 795, 281-307 | 4.2 | 19 |
| 563 | Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2015 , 2015, 1 | 5.4 | 19 |
| 562 | Search for resonant and nonresonant Higgs boson pair production in the ($\overline{b}b\ell\nu\ell\nu$) final state in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 19 |
| 561 | Study of B Meson Production in p+Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV Using Exclusive Hadronic Decays. <i>Physical Review Letters</i> , 2016 , 116, 032301 | 7.4 | 19 |
| 560 | Search for massive WH resonances decaying into the [Formula: see text] final state at [Formula: see text][Formula: see text]. <i>European Physical Journal C</i> , 2016 , 76, 237 | 4.2 | 19 |
| 559 | Measurement of exclusive photoproduction from protons in Pb collisions at. <i>European Physical Journal C</i> , 2019 , 79, 277 | 4.2 | 19 |
| 558 | Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 19 |
| 557 | Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 19 |

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| 165 | Measurement of differential cross sections and charge ratios for γ -channel single top quark production in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 370 | 4.2 | 4 |
| 164 | High zenith angle observations of PKS 2155-304 with the MAGIC-I telescope. <i>Astronomy and Astrophysics</i> , 2012 , 544, A75 | 5.1 | 4 |
| 163 | MAGIC search for VHE γ emission from AE Aquarii in a multiwavelength context. <i>Astronomy and Astrophysics</i> , 2014 , 568, A109 | 5.1 | 4 |
| 162 | Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. <i>Journal of Instrumentation</i> , 2020 , 15, P10002-P10002 | 1 | 4 |
| 161 | $W+W'$ boson pair production in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2020 , 102, | 4.9 | 4 |

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| 159 | Observation of the $B_{s^0} \rightarrow X(3872) \gamma$ Decay. <i>Physical Review Letters</i> , 2020 , 125, 152001 | 7.4 | 4 |
| 158 | Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 4 |
| 157 | Search for new physics in top quark production with additional leptons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV using effective field theory. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 4 |
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| 155 | Search for R-parity violating decays of a top squark in proton-proton collisions at $s=8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 760, 178-201 | 4.2 | 4 |
| 154 | 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 | 4.2 | 4 |
| 153 | Search for long-lived particles using displaced jets in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2021 , 104, | 4.9 | 4 |
| 152 | MUSIC: a model-unspecific search for new physics in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 629 | 4.2 | 4 |
| 151 | Search for top squark production in fully hadronic final states in proton-proton collisions at $s=13$ TeV. <i>Physical Review D</i> , 2021 , 104, | 4.9 | 4 |
| 150 | Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 812, 135992 | 4.2 | 4 |
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| 147 | Search for direct pair production of supersymmetric partners to the lepton in proton-proton collisions at. <i>European Physical Journal C</i> , 2020 , 80, 189 | 4.2 | 3 |
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| 143 | Search for ZZ resonances in the $2\ell\ell$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 3 |

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| 140 | Search for top quark partners with charge $5/3$ in proton-proton collisions at $(\sqrt{s}=13)$ TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5-4 | 3 |
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| 135 | Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5-4 | 3 |
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| 133 | Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV 2014 , 2014, 1 | | 3 |
| 132 | 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 | 5-4 | 3 |
| 131 | Observation of electroweak production of $W\bar{W}$ with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 811, 135988 | 4-2 | 3 |
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| 128 | A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , 2020 , 4, 10 | 6 | 3 |
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| 125 | Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5-4 | 3 |

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| 123 | Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s}=8$ and 13 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 19-44 | 4.2 | 3 |
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| 121 | Search for lepton-flavor violating decays of heavy resonances and quantum black holes to e $\bar{\nu}$ final states in proton-proton collisions at ($\sqrt{s}=13$) TeV. <i>Journal of High Energy Physics</i> , 2018 , 2018, 1 | 5.4 | 3 |
| 120 | Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at. <i>European Physical Journal C</i> , 2021 , 81, 723 | 4.2 | 3 |
| 119 | Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state. <i>Physical Review D</i> , 2021 , 104, | 4.9 | 3 |
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| 117 | Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at ($\sqrt{s} = 13$) TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1 | 5.4 | 2 |
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| 107 | Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 789, 394-400 | 4.2 | 2 |

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| 102 | Measurements of the $pp \rightarrow W\gamma$ and $pp \rightarrow Z\gamma$ cross sections and limits on anomalous quartic gauge couplings at ($\sqrt{s}=8$) TeV. <i>Journal of High Energy Physics</i> , 2017 , 2017, 1 | 5.4 | 2 |
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| 96 | Search for supersymmetry using Higgs boson to diphoton decays at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1 | 5.4 | 2 |
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| 93 | Bose-Einstein correlations of charged hadrons in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 2 |
| 92 | Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2020 , 124, 202001 | 7.4 | 2 |
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| 89 | Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at (\sqrt{s}) = 13 TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 2 |

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| 84 | 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. <i>Journal of High Energy Physics</i> , 2019 , 2019, 1 | 5.4 | 2 |
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| 81 | Search for supersymmetry in events with a photon, jets, τ -jets, and missing transverse momentum in proton-proton collisions at 13. <i>European Physical Journal C</i> , 2019 , 79, 444 | 4.2 | 1 |
| 80 | Search for W Boson Decays to Three Charged Pions. <i>Physical Review Letters</i> , 2019 , 122, 151802 | 7.4 | 1 |
| 79 | Search for Narrow Higgs Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2019 , 122, 081804 | 7.4 | 1 |
| 78 | Evidence for Top Quark Production in Nucleus-Nucleus Collisions. <i>Physical Review Letters</i> , 2020 , 125, 222001 | 7.4 | 1 |
| 77 | Search for supersymmetry in proton-proton collisions at $(\sqrt{s}) = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 1 |
| 76 | Search for dijet resonances using events with three jets in proton-proton collisions at $s=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020 , 805, 135448 | 4.2 | 1 |
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| 74 | Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 1 |
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| 68 | Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb ⁻¹ of proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 1 |
| 67 | 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. <i>Physical Review D</i> , 2021 , 104, | 4.9 | 1 |
| 66 | Measurements of the $pp \rightarrow W\gamma$ and $pp \rightarrow Z\gamma$ cross sections at $(\sqrt{s}) = 13$ TeV and limits on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 1 |
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| 64 | 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 | 5.4 | 1 |
| 63 | Strange hadron production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. <i>Physical Review C</i> , 2020 , 101, | 2.7 | 1 |
| 62 | Measurement of the cross section for $(\mathbf{t}\overline{\mathbf{t}})$ production with additional jets and b jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 1 |
| 61 | Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 1 |
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| 57 | Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 969 | 4.2 | 1 |
| 56 | Search for the lepton flavor violating decay $\mathbf{B} \rightarrow \mathbf{D} \mathbf{l} \mathbf{l}$ in proton-proton collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 1 |
| 55 | Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 813, 136036 | 4.2 | 1 |
| 54 | Observation of the $\mathbf{Z} \rightarrow \mathbf{B}^+ \mathbf{B}^-$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 141801 | 7.4 | 1 |
| 53 | Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018 , 121, 141802 | 7.4 | 1 |

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| 51 | Measurement of the azimuthal anisotropy of and mesons in PbPb collisions at $s_{\text{NN}}=5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021 , 819, 136385 | 4.2 | 1 |
| 50 | Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. <i>Physical Review Letters</i> , 2021 , 127, 122001 | 7.4 | 1 |
| 49 | Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1 | 5.4 | 1 |
| 48 | 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. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 1 |
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| 46 | Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in collisions at. <i>European Physical Journal C</i> , 2019 , 79, 773 | 4.2 | 0 |
| 45 | Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1 | 5.4 | 0 |
| 44 | Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. <i>Journal of High Energy Physics</i> , 2022 , 2022, 1 | 5.4 | 0 |
| 43 | Search for W resonances in proton-proton collisions at $s=13$ TeV using hadronic decays of Lorentz-boosted W bosons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022 , 826, 136888 | 4.2 | 0 |
| 42 | Measurement of single-diffractive dijet production in proton-proton collisions at with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020 , 80, 1164 | 4.2 | 0 |
| 41 | Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=5.02$ TeV Using Leptonic Decays. <i>Physical Review Letters</i> , 2021 , 127, 191801 | 7.4 | 0 |
| 40 | Observation of tW production in the single-lepton channel in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 0 |
| 39 | Measurement of b jet shapes in proton-proton collisions at $(\sqrt{s}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 0 |
| 38 | Study of Drell-Yan dimuon production in proton-lead collisions at $(\sqrt{s_{\text{NN}}}) = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 0 |
| 37 | In-medium modification of dijets in PbPb collisions at $(\sqrt{s_{\text{NN}}}) = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2021 , 2021, 1 | 5.4 | 0 |
| 36 | Measurement of the W Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV and Constraints on Effective Field Theory Coefficients. <i>Physical Review Letters</i> , 2021 , 126, 252002 | 7.4 | 0 |
| 35 | Measurement of the top quark pair production cross section in dilepton final states containing one lepton in pp collisions at $(\sqrt{s}) = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020 , 2020, 1 | 5.4 | 0 |

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