

Dayong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

901
papers

44,177
citations

4388

86
h-index

5120

166
g-index

923
all docs

923
docs citations

923
times ranked

12157
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	4.1	6,177
2	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 \sqrt{s} TeV. European Physical Journal C, 2015, 75, 212.	3.9	541
3	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	4.1	520
4	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
5	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
6	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\text{-}\sqrt{s_{\mathrm{TeV}}}$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	369
7	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13, \sqrt{s}=8$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355
8	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	4.1	354
9	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	1.2	348
10	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
11	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
12	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
13	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	1.2	307
14	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
15	Measurement of the branching fraction and search for $B \rightarrow \mu^+ \mu^- \gamma$. Physical Review Letters, 2013, 110, 081803.	7.8	282
16	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	270
17	Evidence for collectivity in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	4.1	243
18	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2014, 74, 3036.	3.9	241

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19	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. Journal of Instrumentation, 2018, 13, P05011-P05011.	1.2	241
20	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	4.7	230
21	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	228
22	Observation of Sequential Λ^0 Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220
23	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	7.8	219
24	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.	1.2	216
25	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	3.9	212
26	Observation of $t\bar{t}$ Production. Physical Review Letters, 2018, 120, 231801.	7.8	209
27	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200
28	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
29	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	4.1	193
30	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191
31	Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	4.7	185
32	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	181
33	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P06015-P06015.	1.2	180
34	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	3.9	179
35	Evidence for Collective Multiparticle Correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 012301.	7.8	177
36			

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37	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.	3.9	171
38	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.	4.7	169
39	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	167
40	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 Letters</i> , 2018, 120, 221801.	4.7	161
41	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2018, 120, 221801.	7.8	160
42	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.	4.7	158
43	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{\pm} T$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2568.	3.9	147
44	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 242-260.	4.7	146
45	Measurement of top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 242-260.	4.7	144
46	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and Pb collisions. <i>Physical Review C</i> , 2015, 92, .	2.9	140
47	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 Letters</i> , 2016, 116, 172302.	7.8	139
48	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	135
49	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review C</i> , 2014, 89, .	2.9	133
50	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.	4.1	129
51	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	125
52	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.	4.1	125
53	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	123
54	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 13.6$ TeV in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021, 81, 800.	3.9	123

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55	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
56	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7$ TeV with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	4.7	118
57	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
58	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
59	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
60	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the CMS detector. Physical Review D, 2013, 87, 034005.	4.7	115
61	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the CMS detector. Physical Review D, 2013, 87, 034005.	7.8	114
62	Measurement of jet fragmentation in PbPb and pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, 034907.	2.9	113
63	Measurement of the integrated luminosities of the data taken by BESIII at $\sqrt{s} = 3.650$ and 3.773 GeV. Chinese Physics C, 2013, 37, 123001.	3.7	112
64	Observation of a peaking structure in the $W \rightarrow \mu \nu$ mass spectrum from $\sqrt{s} = 7$ TeV pp collisions. Physical Review Letters, 2017, 118, 122301.	4.1	112
65	Observation of Charge-Dependent Azimuthal Correlations in W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2017, 118, 122301.	7.8	108
66	Observation of Charge-Dependent Azimuthal Correlations in W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2017, 118, 122301.	7.8	108
67	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
68	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2019, 122, 121803.	7.8	102
69	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
70	Nuclear modification factor of D0 mesons in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 474-496.	4.1	101
71	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
72	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99

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91	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
92	Evidence of $b\bar{b}$ -Jet Quenching in PbPb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	7.8	85
93	Study of double parton scattering using $W+2$ -jet events in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
94	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
95	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
96	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
97	Measurement of the single-top-quark t -channel cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83
98	Measurement of the muon charge asymmetry in inclusive $p\bar{p} \rightarrow W^{\pm} X$ production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.	4.7	83
99	Measurement of the differential cross section and charge asymmetry for inclusive $p\bar{p} \rightarrow W^{\pm} X$ production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
100	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s}=5.02$ TeV PbPb collisions. European Physical Journal C, 2018, 78, 509.	3.9	83
101	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	1.2	83
102	Measurement of the $p\bar{p} \rightarrow W^{\pm} X$ production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.	7.8	82
103	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82
104	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	4.7	82
105	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
106	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s}=7$ TeV and $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	81
107	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
108	Search for a charged Higgs boson in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81

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109	Measurement of angular parameters from the decay $B_0 \rightarrow a_1 \ell^+ \ell^-$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 781, 517-541.	7.8	80
110	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	7.8	80
111	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
112	Search for new physics in final states with an energetic jet or a hadronically decaying boson and transverse momentum imbalance at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
113	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1-10.	3.9	78
114	Determination of the top-quark pole mass and strong coupling constant from the production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	77
115	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
116	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 200-224.	4.1	77
117	Measurement of nuclear modification factors of $\rho(1S)$, $\rho(2S)$, and $\rho(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 270-293.	4.7	76
118	Search for Top-Quark Partners with Charge $\pm 2/3$ in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	7.8	76
119	Study of exclusive two-photon production of W^+W^- in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
120	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
121	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
122	Search for Narrow Resonances in Dijet Final States at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 117, 031802.	7.8	74
123	Search for Top-Quark Partners with Charge $\pm 2/3$ in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	4.7	74
124	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \ell^+ \ell^-$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
125	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, 115011.	4.7	73
126	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73

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127	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 94, .	4.7	73
128	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2016, 117, 051802.	7.8	73
129	Search for additional neutral MSSM Higgs bosons in the \tilde{t}, \tilde{t}^* final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	73
130	Search for vectorlike charge \tilde{t}, \tilde{t}^* in proton-proton collisions at $\sqrt{s} = 13$ TeV.		

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145	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1. Search for heavy Majorana neutrinos in $\sqrt{s} = 7$ TeV proton-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 709, 1-10.	4.7	68
146	+ jets events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 709, 1-10.	4.1	68
147	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	3.9	68
148	Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 368.	3.9	68
149	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	66
150	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
151	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
152	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2283.	3.9	64
153	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	3.9	64
154	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	3.9	64
155	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 97, 1-10.	3.9	64
156	Measurements of $t\bar{t}$ production cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	7.8	63
157	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	4.1	63
158	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	63
159	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
160	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 501-532.	4.1	63
161	A measurement of the Higgs boson mass in the diphoton decay channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135425.	4.1	63
162	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\gamma^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62

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163	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 13	3.9	62
164	Measurement of the Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2017, 119, 152301.	7.8	62
165	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
166	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
167	Observation of Two Excited States and Measurement of the $\sigma(\text{pp} \rightarrow \text{B}^0 \text{B}^0 \text{c} \bar{\text{c}})$ at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 152301.	7.8	62
168	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014.	1.2	62
169	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	62
170	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61
171	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
172	Search for resonant $\text{B}^0 \text{B}^0 \text{c} \bar{\text{c}}$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 152301.	4.7	61
173	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 96, .	4.7	61
174	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 131802.	7.8	61
175	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s}=7$ TeV and first determination of the strong coupling constant in $\text{pp} \rightarrow \text{B}^0 \text{B}^0 \text{c} \bar{\text{c}}$. Physical Review Letters, 2017, 119, 152301.	3.9	60
176	Measurement of the $\sigma(\text{pp} \rightarrow \text{B}^0 \text{B}^0 \text{c} \bar{\text{c}})$ at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 152301.	7.8	60
177	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
178	A search for pair production of new light bosons decaying into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	4.1	59
179	Measurement of inclusive jet cross sections in $\text{pp} \rightarrow \text{B}^0 \text{B}^0 \text{c} \bar{\text{c}}$ and PbPb collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2017, 96, .	2.9	59
180	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58

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181	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	4.7	58
182	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ s NN = 5.02 TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
183	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV. European Physical Journal C, 2018, 78, 701.	3.9	58
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187	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	3.9	57
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206	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
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268	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 \bar{l} , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 462-488.	4.1	43
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286	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	3.9	40
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297	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 806, 135502.	7.8	39
298	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp Collisions at the LHC. Physical Review Letters, 2018, 120, 092301.	7.8	39
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308	Measurement of the inclusive cross sections in $Z\bar{\nu}\nu$ and $Z\bar{\nu}\nu$ collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	37
309	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	37
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330	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 111802.	7.8	35
331	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
332	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
333	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 277.	3.9	35
334	Measurement of associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 269.	3.9	35
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337	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
338	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable \cancel{E}_T . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
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341	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 116, 052002.	7.8	34
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344	Measurement of the cross section for electroweak production of $Z\ell^+\ell^-$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	34
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346	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two ℓ , leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
347	Measurement of the top quark mass with lepton+jets final states using $\text{pp} \rightarrow \text{top} + \text{jets}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 891.	3.9	34
348	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
349	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	3.9	34
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352	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
353	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 255-277.	3.9	33
354	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	3.9	33
355	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 152-180.	4.1	33
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357	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two ℓ , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
358	Measurement of exclusive $\rho^+\rho^-$ photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 702.	3.9	33
359	Measurement of the spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 770, 380-402.	4.7	33
360	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	3.9	33

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361	Search for top squark pair production using dilepton final states in $\sqrt{s}=13$, $\sqrt{s}=13$, $\sqrt{s}=13$ collision data collected at $\sqrt{s}=13$, $\sqrt{s}=13$, $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	3.9	33
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363	Measurement of the normalized multi-differential cross sections for $\sqrt{s}=13$, $\sqrt{s}=13$, $\sqrt{s}=13$ TeV collisions at $\sqrt{s}=13$, $\sqrt{s}=13$, $\sqrt{s}=13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	3.9	33
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365	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
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369	Correlations in Pb-Pb and pp collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 242301.	7.8	32
370	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
371	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 242301.	7.8	32
372	Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, 074011.	4.7	32
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377	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
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385	Measurement of spin correlations and top quark polarization using dilepton final states in pp collisions. European Physical Journal C, 2016, 76, 237.	4.7	30
386	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
387	Inclusive and differential measurements of the B production in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 751.	4.1	30
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389	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 751.	3.9	30
390	Measurement of differential cross sections for the production of top quark pairs and of additional jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 751.	4.7	30
391	Observation of Single Top Quark Production in Association With \bar{a} . Physical Review Letters, 2019, 122, 132003.	7.8	30
392	Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 132003.	4.7	30
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403	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	4.7	28
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405	Search for $\overline{\sigma}(\mathit{t}\bar{\mathit{t}})\mathit{H}$ production in the $\mathit{H}\rightarrow\mathit{b}\bar{\mathit{b}}$ decay channel with leptonic $\overline{\sigma}(\mathit{t}\bar{\mathit{t}})$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
406	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 369-396.	4.1	28
407	Search for anomalous couplings in boosted $\mathit{t}\bar{\mathit{t}}$ production in proton-proton and lead-lead collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, .	4.1	28
408	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	28
409	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
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412	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, .	4.7	27
413	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, .	4.7	27
414	Search for anomalous couplings in boosted $\mathit{t}\bar{\mathit{t}}$ production in proton-proton and lead-lead collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, .	4.1	27

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418	A search for pair production of new light bosons decaying into muons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 796, 131-154.	4.1	27
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425	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
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427	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, 13$ TeV. European Physical Journal C, 2016, 76, 1.	3.9	26
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429	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	26
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432	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	26

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435	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets final states in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	4.1	25
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438	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	25
439	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	25
440	Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, 074014.	4.7	25
441	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	25
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445	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
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448	Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93, .	4.7	24
449	Search for dark matter and unparticles produced in association with a W boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93, .	4.7	24
450	Measurements of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV using dilepton final states in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	4.1	24

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452	Measurement of the differential inclusive B ⁺ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 435-456.	4.1	24
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454	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2018, 98, 094011.	4.7	24
455	Search for new long-lived particles at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 432-454.	4.7	24
456	Search for new long-lived particles at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 432-454.	4.1	24
457	Search for new particles decaying to a jet and an emerging jet. <i>Journal of High Energy Physics</i> , 2019, 1.	4.7	24
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459	Measurements of $\sigma(\text{pp} \rightarrow \text{pp} \gamma \text{pp})$ and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 200.	3.9	24
460	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. <i>European Physical Journal C</i> , 2014, 74, 2973.	3.9	23
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463	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , 2017, 119, 242001.	7.8	23
464	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.	4.7	23
465	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	23
466	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 354.	3.9	23
467	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017, 77, 746.	3.9	23
468	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	23

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470	Search for supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV using identified top quarks. Physical Review D, 2018, 97, .	4.7	23
471	Search for resonant $\overline{t}t$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	23
472	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 123, 231803.	7.8	23
473	Search for a light pseudoscalar Higgs boson in the boosted $t\bar{t}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	23
474	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 752.	3.9	23
475	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
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478	Measurement of the ZZ production cross section and Z $\rightarrow t\bar{t}$, $Z \rightarrow b\bar{b}$, $Z \rightarrow \tau\tau$, $Z \rightarrow \mu\mu$ branching fraction in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 280-303.	4.1	22
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482	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $t\bar{t}$, leptons and two jets in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
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484	Search for direct pair production of supersymmetric partners to the τ_1 lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	3.9	22
485	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_b^0 \gamma$. Physical Review Letters, 2021, 126, 252003.	7.8	22
486	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 370.	3.9	22

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488	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
489	Search for supersymmetry in events with a \tilde{l}_μ lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
490	Search for beyond the standard model Higgs bosons decaying into a $\overline{b}b$ pair in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
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510	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 125, 151802.	7.8	20
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614	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
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642	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
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644	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
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646	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
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650	Measurement of the $W\tilde{\chi}^0$ Production Cross Section in Proton-Proton Collisions at $s=13\text{ TeV}$ and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002.	7.8	13
651	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.1	13
652	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
653	Measurement of the electroweak production of $Z\tilde{\chi}^0$ and two jets in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ and constraints on anomalous quartic gauge couplings. Physical Review D, 2021, 104.	4.7	13
654	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. Journal of High Energy Physics, 2022, Rapidity distributions in exclusive $Z\tilde{\chi}^0$ and $Z\tilde{\chi}^{\pm}$ production in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. Journal of High Energy Physics, 2022, 12.	4.7	13
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658	Search for R -parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. Journal of High Energy Physics, 2022, 12.	4.7	12
659	Search for high-mass $Z\tilde{\chi}^0$ resonances in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ and 13 TeV using jet substructure techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 363-387.	4.7	12
660	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$. Physical Review D, 2017, 95, .	4.7	12
661	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s} = 5.02\text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
662	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s} = 5.02\text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
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668	An embedding technique to determine $\tilde{l}, \tilde{l},$ backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.	1.2	12
669	Search for Higgs and Z boson decays to J/ψ or Y pairs in the four-muon final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811.	4.1	12
670	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 011803.	7.8	12
671	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
672	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
673	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 893.	3.9	12
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677	Polarizations in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 1.	4.7	12
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679	Development and validation of HERWIG++ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
680	Measurement of the CP-violating phase $\tilde{\theta}_S$ in the $B \rightarrow K^* \mu^+ \mu^-$ decay. Physical Review Letters, 2021, 126, 1.	4.1	12
681	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
682	Identification of hadronic tau lepton decays using a deep neural network. Journal of Instrumentation, 2022, 17, P07023.	1.2	12
683	Measurement of the $Z\hat{\nu}^3$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
684	Search for supersymmetry in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2016, 93, 1.	4.7	11
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694	Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.	3.9	11
695	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
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697	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 80, 43.	4.7	11
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725	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $pp \rightarrow Z\gamma$ process. Physical Review Letters, 2021, 126, 101801.	4.1	9
726	Searches for R -parity-violating supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 126, 101801.	4.7	9
727	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	4.7	9
728	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
729	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
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734	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and pp Collisions at $\sqrt{s} = 2.76$ and 13 TeV. Physical Review Letters, 2020, 125, 102301.	7.8	9
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747	Search for pair production of excited top quarks in the lepton + jets final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	4.1	8
748	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	8
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752	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
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755	Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. Journal of High Energy Physics, 2022, 2022, 1.	4.7	8
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759	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
760	Search for leptophobic $Z\prime$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 563-584.	4.1	6
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764	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	3.9	7
765	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	7.8	7
766	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
767	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
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769	First Search for Exclusive Diphoton Production at High Mass with Tagged Protons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .	7.8	7
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771	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 302.	3.9	6
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777	Pseudorapidity dependence of long-range two-particle correlations in pp collisions at $\sqrt{s}=13$ TeV. Physical Review C, 2017, 96, 024906.	2.9	6
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779	Centrality and pseudorapidity dependence of the transverse energy density in pp collisions at $\sqrt{s}=13$ TeV. Physical Review C, 2019, 100, 024906.	2.9	6
780	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99.	4.1	6
781	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 100, 054011.	4.7	6
782	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
783	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s}=8, 13$ TeV. European Physical Journal C, 2019, 79, 969.	3.9	6
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786	Determination of the strong coupling constant $\alpha_s(m_Z)$ from measurements of inclusive $W\Delta$ and Z boson production cross sections in proton-proton collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
787	Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 041803.	7.8	6
788	Performance of the CMS muon trigger system in proton-proton collisions at $\sqrt{s}=13$. Journal of Instrumentation, 2021, 16, P07001.	1.2	6
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791	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=13$ TeV Using Leptonic Decays. Physical Review Letters, 2021, 127, 191801.	7.8	6
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795	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
796	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2015, 91, .	4.7	5
797	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
798	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2016, 94, .	4.7	5
799	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1. Measurement of the ratio $\frac{\sigma(\text{tt} + \text{tt} + \text{tt})}{\sigma(\text{tt})}$ in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2016, 94, .	4.7	5

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812	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z -Boson Yields and Azimuthal Anisotropy at $\sqrt{s_{\mathrm{NN}}}$ = 2.76 TeV. Physical Review Letters, 2021, 127, 162002.	7.8	5
813	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	4.1	5
814	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	3.9	5
815	Observation of $B \rightarrow D^* \mu^+ \mu^-$ pair production with a additional charm jets using dieptonic final states in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, 161801.	4.7	5
816	Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.1	5
817	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
818	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
819	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
820	Precision measurement of the W boson decay branching fractions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, 012002.	4.7	5
821	Search for single production of a vector-like T quark decaying to a top quark and a Z boson in the final state with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
822	Probing Charm Quark Dynamics via Multiparticle Correlations in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review Letters, 2022, 129, 161801.	7.8	5
823	Resistive plate chambers for 2013-2014 muon upgrade in CMS at LHC. Journal of Instrumentation, 2014, 9, C10033-C10033.	1.2	4
824	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
825	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review D, 2016, 94, 014012.	4.7	4
826	Search for dark matter particles in proton-proton collisions at $\sqrt{s} = 8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
827	Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
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829	Measurement of differential cross sections in the kinematic angular variable $\tilde{\Gamma}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
830	Search for ZZ resonances in the $2\hat{\Gamma}$, " $2\hat{\Gamma}/2$ " final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
831	Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
832	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $s=13$ TeV. Physical Review Letters, 2018, 121, 141802.	7.8	4
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834	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 305.	3.9	4
835	Search for $W \rightarrow 3\pi$ Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.	7.8	4
836	The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
837	Search for supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
838	Measurement of b jet shapes in proton-proton collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
839	Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2021, 104, .	4.7	4
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841	Measurement of differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2022, 105, .	4.7	4
842	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	4
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844	Performance of a large-area GEM detector prototype for the upgrade of the CMS muon endcap system. , 2014, , .		3
845	Search for $W \rightarrow tb$ in proton-proton collisions at $s=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
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849	Search for excited leptons in $\hat{e}, \hat{\mu}, \hat{\tau}$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
850	Search for Narrow H^{\pm} Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 081804.	7.8	3
851	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	1.2	3
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853	Study of Drell-Yan dimuon production in proton-lead collisions at $\sqrt{s_{NN}}=8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	3
854	Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Particle and High Energy Physics, 2021, 836, 136447.	4.1	3
855	Hard color-singlet exchange in dijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2021, 104, 034011.	4.7	3
856	Measurement of the $(\overline{t}t)$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=8$ TeV. , 2014, 2014, 1.		3
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858	Measurements of the $(p) \rightarrow (Z) \gamma$ production cross section and the $(Z) \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=13$ TeV. , 2018, 78, 1.		3
859	Search for long-lived particles produced in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	3
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867	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
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872	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. , 2013, 2013, 1.		2
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874	Observation of tW production in the single-lepton channel in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
875	Measurement of prompt open-charm production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
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877	Measurement of the inclusive $t\bar{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
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879	Measurement of the inclusive and differential $t\bar{t}$ cross sections in the dilepton channel and effective field theory interpretation in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022.	4.7	2
880	Measurement of the production cross section for $Z + b\bar{b}$ jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	4.7	2
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886	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. Physical Review C, 2021, 103, .	2.9	1
887	Measurement of b hadron lifetimes in pp collisions at $(\sqrt{s} = 8)$ (,ext {TeV}ext {V}). , 2018, 78, 1.		1
888	\mathcal{K}_S^0 and (anti-) Λ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	1
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890	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
891	Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. Journal of High Energy Physics, 2021, 2021, 1.	4.7	1
892	Observation of $B^0 \rightarrow \psi(2S)K^0_{\text{hadron}} \psi^+ \psi^-$ and $B^0_{\text{hadron}} \rightarrow \psi(2S)K^0_{\text{hadron}} \psi^+ \psi^-$ decays. European Physical Journal C, 2022, 82, .	3.9	1
893	Web-based monitoring tools for Resistive Plate Chambers in the CMS experiment at CERN. Journal of Instrumentation, 2014, 9, C10031-C10031.	1.2	0
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895	Performance of the gas gain monitoring system of the CMS RPC muon detector. Journal of Instrumentation, 2015, 10, C01003-C01003.	1.2	0
896	Mechanical stability of the CMS strip tracker measured with a laser alignment system. Journal of Instrumentation, 2017, 12, P04023-P04023.	1.2	0
897	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	0
898	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135183.	4.1	0
899	Sensitivity of lepton flavor violation process $B^+ \rightarrow K^+ \tau^+ \nu_\tau$, in future experiments. Modern Physics Letters A, 2022, 37, .	1.2	0
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