

Christophe Delaere

List of Publications by Year in descending order

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Version: 2024-02-01

766
papers

44,508
citations

3515

90
h-index

4101

175
g-index

768
all docs

768
docs citations

768
times ranked

12270
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.	1.5	6,177
2	DELPHES 3: a modular framework for fast simulation of a generic collider experiment. Journal of High Energy Physics, 2014, 2014, 1.	1.6	1,620
3	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.	1.4	541
4	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.	1.5	520
5	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
6	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
7	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	1.5	6,177
8	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, 054002.	1.1	455
9	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	2.9	400
10	Study of high-p _T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	369
11	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
12	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.	1.5	354
13	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	0.5	348
14	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
15	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.	1.6	320
16	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
17	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	0.5	307
18	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	1.6	299

#	ARTICLE	IF	CITATIONS
19	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.	2.9	270
20	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.	1.5	243
21	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.	1.4	241
22	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. <i>Journal of Instrumentation</i> , 2018, 13, P05011-P05011.	0.5	241
23	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.	1.6	230
24	Observation of Sequential Υ Suppression in PbPb Collisions. <i>Physical Review Letters</i> , 2012, 109, 222301.	2.9	220
25	Observation of Higgs Boson Decay to Bottom Quarks. <i>Physical Review Letters</i> , 2018, 121, 121801.	2.9	219
26	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. <i>Journal of Instrumentation</i> , 2017, 12, P02014-P02014.	0.5	216
27	Observation of $t\bar{t}$ Production. <i>Physical Review Letters</i> , 2018, 120, 231801.	2.9	209
28	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. <i>Physical Review Letters</i> , 2011, 107, 221804.	2.9	208
29	Suppression of non-prompt J/ψ , 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.	1.6	200
30	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020, 80, 4.	1.4	198
31	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 542.	1.4	191
32	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, .	1.1	185
33	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, .	1.6	185
34	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.	1.4	181
35	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.	0.5	180
36	Evidence for Collective Multiparticle Correlations in pPb Collisions. <i>Physical Review Letters</i> , 2015, 115, 012301.	2.9	177

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#	ARTICLE	IF	CITATIONS
55	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 64-85.	1.5	129
56	Search for Dijet Resonances in 7 TeV collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126
57	Search for dijet resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Physical Review Letters, 2011, 107, 132001.	2.9	125
58	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2013, 73, 1.	1.4	125
59	Observation of the Higgs boson decay to a pair of \tilde{l} , leptons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 283-316.	1.5	125
60	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 14\text{ TeV}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
61	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	122
62	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 2.76\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 710, 256-277.	1.5	122
63	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	1.5	120
64	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
65	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	1.5	118
66	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7\text{ TeV}$. Physical Review Letters, 2012, 109, 171803.	2.9	118
67	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
68	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$ with the CMS detector. Physical Review D, 2013, 87.	1.6	115
69	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7\text{ TeV}$. Physical Review Letters, 2012, 109, 171803.	2.9	114
70	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s} = 2.76\text{ TeV}$. Physical Review C, 2014, 90.	1.1	113
71	Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Physical Review D, 2013, 87.	1.5	112
72	Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Physical Review D, 2013, 87.	1.6	108

#	ARTICLE	IF	CITATIONS
73	Production of the Associated Production of a Single Top Quark and a $W \rightarrow p \bar{p}$ Collisions at Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at 2.76 TeV Observation of Charge-Dependent Azimuthal Correlations in Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	2.9	108
74	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
75	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 13 \text{ TeV}$ Physical Review Letters. 2019, 122, 121803.	2.9	102
76	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
77	Nuclear modification factor of D0 mesons in PbPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ Elementary Particle and High-Energy Physics, 2018, 782, 474-496.	1.5	101
78	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100
79	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
80	Measurement of the prompt J/ψ and Υ		
81			
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91	Searches for new physics using the $\hat{t}\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2013, 111, 211804.	2.9	90
92	Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	1.5	90
93	Measurement of the W boson production cross section in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	1.5	89
94	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	1.5	88
95	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	1.5	87
97	Angular analysis of the decay $B \rightarrow \bar{K}^* \mu^+ \mu^-$ from pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	1.5	87
98	Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 489-511.	1.5	87
99	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	2.9	86
100	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.	1.6	86
101	Evidence of b -jet quenching in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	2.9	85
102	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.	1.6	85
103	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
104	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
105	Measurement of the single-top-quark t -channel cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
106	Measurement of the muon charge asymmetry in inclusive W production at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	1.6	83
107	Measurement of the differential cross section and charge asymmetry for inclusive W production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
108	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.4	83

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109	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
110	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.	1.4	82
111	J/ψ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
112	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	81
113	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
114	Measurement of angular parameters from the decay $B \rightarrow K^* \ell^+ \ell^-$ in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 517-541.	1.6	81
115	Production Cross Section of $B \rightarrow K^* \ell^+ \ell^-$ in pp Collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 517-541.	2.9	80
116	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	2.9	80
117	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.	1.6	78
118	Search for new physics in final states with an energetic jet or a hadronically decaying W boson and transverse momentum imbalance at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
119	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, 270-283.	1.4	78
120	Determination of the top-quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 780, 270-283.	1.4	78
121	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.	1.6	77
122	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.	1.5	77
123	Measurement of nuclear modification factors of $\Upsilon(1S)$, $\Upsilon(2S)$, and $\Upsilon(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 780, 270-283.	1.7	77
124	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.	1.4	75
125	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.	1.4	74
126	Search for Narrow Resonances in Dijet Final States at $\sqrt{s} = 7$ TeV using the Novel CMS Technique of Data Scouting. Physical Review Letters, 2016, 117, 031802.	2.9	74

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127	Suppression of $\Upsilon(1S)$, $\Upsilon(2S)$, and $\Upsilon(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear Physics, 2015, 347, 1-4.	1.5	74
128	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, 112004.	1.6	73
129	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	1.4	73
130	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, 012002.	1.6	73
131	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73
132	Search for vectorlike charge $\pm 2/3$ quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73

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145	Measurements of the Higgs boson width and anomalous $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle H \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle V \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle V \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99.	1.4	69
146	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.4	68
147	Measurement of the $\overline{t}t$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	1.4	68
148	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.	1.6	65
149	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.	1.4	65
150	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2283.	1.4	64
151	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.	1.4	64
152	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pp and PbPb collisions at the CERN Large Hadron Collider. Physical Review C, 2018, 97, 054907.	1.1	64
153	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 150-170.	1.1	63
154	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. Physical Review Letters, 2012, 108, 111801.	2.9	63
155	Measurement of the $\overline{A}A$ Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 281-306.	2.9	63
156	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
157	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.	1.5	63
158	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.	1.5	63
159	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 281-306.	1.1	62
160	Measurement of the $W+W\tilde{A}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\tilde{A}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
161	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 13.	1.4	62
162	Measurement of the $B\tilde{A}$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 152301.	2.9	62

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163	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.	1.6	62
164	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
165	Observation of Two Excited B_c States and Measurement of the B_c Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 121, 022003.	2.9	62
166	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014.	0.5	62
167	Measurement of the B_c Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 121, 022003.	2.9	61
168	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.	2.9	61
169	Search for resonant B_c Production in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 121, 022003.	1.6	61
170	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 96, .	1.6	61
171	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 131802.	2.9	61
172	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2011, 106, 122003.	2.9	60
173	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 pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 122003.	1.4	60
174	Measurement of the B_c Production Cross Section in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 121, 022003.	2.9	60
175	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.	1.6	59
176	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.	1.5	59
177	Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s}=13$ TeV. Physical Review C, 2017, 96, .	1.1	59
178	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
179	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
180	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	1.6	58

#	ARTICLE	IF	CITATIONS
181	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	1.4	58
182	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.	1.4	58
183	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 371-397.	1.5	57
184	Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 12-37.	1.5	57
185	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
186	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
187	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
188	Measurement of the ratio of inclusive jet cross sections using the anti-k algorithm with radius parameters R and event activity dependence of $\langle n \rangle$ production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
189	Event activity dependence of $\langle n \rangle$ production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
190	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. Journal of Instrumentation, 2020, 15, P06005-P06005.	0.5	56
191	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	55
192	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	1.6	55
193	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
194	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-80.	1.5	55
195	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-80.	1.5	55
196	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-80.	2.9	54
197	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	1.5	54
198	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	1.5	54

#	ARTICLE	IF	CITATIONS
199	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	1.4	54
200	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
201	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 141802.	2.9	54
202	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	53
203	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV in events with a single lepton, large jet multiplicity, and multiple b jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 326-355.	1.5	53
204	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 $\rightarrow \tau\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	1.5	53
205	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
206	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 $\sqrt{s} = 13$ and 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 320-347.	1.5	53
207	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
208	Measurement of the ZZ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 459.	1.5	52
209	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
210	Measurements of the $pp \rightarrow ZZ$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 165.	1.4	52
211	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. Physical Review D, 2011, 84, .	1.6	51
212	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $h \rightarrow \gamma\gamma$ decay using multilepton and diphoton final states in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 90, .	1.6	51
213	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
214	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
215	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	1.6	50
216	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 241802.	2.9	50

#	ARTICLE	IF	CITATIONS
217	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13$, ext {Te} ext {V} \$. European Physical Journal C, 2019, 79, 564.	1.4	50
218	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s}=2.76$ and $\sqrt{s}=7$ TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	2.9	49
219	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	2.9	49
220	Search for leptonic decays of W^{\pm} bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	49
221	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
222	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 83-104.	1.5	49
223	Search for an A_{μ} gauge boson using $Z \rightarrow \mu\mu$ events in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.5	49
224	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	1.5	48
225	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	48
226	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
227	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Physical Review D, 2017, 96, 012001.	1.6	48
228	Azimuthal anisotropy of charged particles with transverse momentum up to $100 \text{ GeV}/c$ in PbPb collisions at $\sqrt{s_{NN}}=2.76$ and $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 195-216.	1.6	48
229	Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	2.9	48
230	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ Te. European Physical Journal C, 2019, 79, 364.	1.4	48
231	Search for Supersymmetry in pp Collisions at $\sqrt{s}=7$ TeV in Events with Two Photons and Missing Transverse Energy. Physical Review Letters, 2011, 106, 211802.	2.9	47
232	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. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
233	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. Journal of High Energy Physics, 2013, 2013, 1.	1.5	47
234	Measurement of Prompt τ Production Cross Section in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 195-216.	2.9	47

#	ARTICLE	IF	CITATIONS
235	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, . 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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.6	47
236	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.5	47
237	Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.	2.9	47
238	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
239	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	46
240	Measurement of diffractive dissociation cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.6	46
241	Search for supersymmetry using razor variables in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.6	46
242	Search for supersymmetry using razor variables in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.6	46
243	Search for supersymmetry using razor variables in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.6	46
244	Measurement of the production cross section of a top quark and a τ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.	1.6	46
245	Measurement of the production cross section of a top quark and a τ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.	1.6	46
246	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	1.6	45
247	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	2.9	45
248	Search for neutral resonances decaying into a Z boson and a pair of b jets or τ leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	1.5	45
249	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 682-705.	1.5	45
250	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
251	Search for a light charged Higgs boson decaying to $c\bar{s}$ in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44

#	ARTICLE	IF	CITATIONS
253	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. <i>Physical Review Letters</i> , 2015, 114, 061801.	2.9	44
254	Search for lepton flavour violating decays of the Higgs boson to $e\bar{\nu}_\mu$ and $e\bar{\nu}_\tau$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 472-500.	1.5	44
255	Study of Z boson production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 36-57.	1.5	44
256	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 140.	1.4	44
257	Search for anomalous 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.	1.5	44
258	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2014, 74, 3060.	1.4	43
259	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	43
260	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. <i>Physical Review D</i> , 2015, 92, .	1.6	43
261	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, .	1.6	43
262	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.	1.6	43
263	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 799, 1-10.	1.5	43
264	Study of W boson production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 750, 565-586.	1.5	42
265	Evidence for exclusive $\bar{t}t \rightarrow W^+ W^-$ 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.	1.6	42
266	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.	1.6	42
267	Search for lepton Compositeness with the Dijet Correlation Ratio in $pp \rightarrow \ell^+ \ell^- + \text{jets}$ collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, .	2.9	41
268	Event shapes and azimuthal correlations in $pp \rightarrow Z + \text{jets}$ events in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, .	1.5	41
269	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2016, 93, .	1.6	41
270	Measurement of the $t\bar{t} \rightarrow \gamma\gamma$ production cross section in the $e\bar{\nu}_\mu$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	41

#	ARTICLE	IF	CITATIONS
271	Measurement of the $\overline{\sigma}(\text{pp} \rightarrow t\bar{t})$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
272	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
273	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 398-423.	1.5	41
274	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2014, 89, 113001.	1.6	40
275	Measurement of the $\overline{\sigma}(\text{pp} \rightarrow t\bar{t})$ production cross section using events in the $\mu e \nu$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
276	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 1-24.	1.5	40
277	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 221802.	2.9	40
278	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. Physical Review Letters, 2018, 120, 071802.	2.9	40
279	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	1.4	40
280	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40
281	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135502.	1.5	40
282	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 378.	1.5	40
283	Measurement of the $Z \rightarrow b\bar{b}$ jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
284	Measurement of the ZZ production cross section and search for anomalous couplings in $Z \rightarrow \mu\mu$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
285	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
286	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, 2019, 806, 135502.	2.9	39
287	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in $Z \rightarrow \mu\mu$ Collisions at the LHC. Physical Review Letters, 2018, 120, 092301.	2.9	39

#	ARTICLE	IF	CITATIONS
289	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 965.	1.4	39
290	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	1.6	39
291	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	38
292	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	1.4	38
293	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 636.	1.4	38
294	Suppression of Excited States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2018, 120, 142301.	2.9	38
295	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying W , leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 142.	1.6	38
296	Production and Structure of the Yukawa W Boson. Physical Review Letters, 2018, 120, 142301.	2.9	38
297	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	1.4	37
298	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 735, 204-221.	1.4	37
299	Measurement of the production cross sections for Z and $t\bar{t}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	37
300	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
301	Combined search for anomalous pseudoscalar HVV couplings in $t\bar{t}H$ production. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37

#	ARTICLE	IF	CITATIONS
307	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\hat{A}^0$ final state in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
308	Search for Narrow Resonances in the $b\bar{b}$ -Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 201801.	2.9	36
309	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 201801.	1.6	36
310	Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 574-600.	1.5	36
311	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
312	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 281-307.	1.5	36
313	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	36
314	Measurement of the $B\bar{B}$ cross section with $B\bar{B}$ production in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2011, 84, .	1.6	35
315	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.6	35
316	Search for heavy Majorana neutrinos in $e\hat{A}^0e$ jets and $e\hat{A}^0\hat{A}^0$ jets events in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
317	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	1.5	35
318	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 111802.	2.9	35
319	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.	1.6	35
320	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.	1.4	35
321	Search for pair production of vectorlike quarks in the fully hadronic final state. Physical Review D, 2019, 100, .	1.6	35
322	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	1.4	35
323	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
324			

#	ARTICLE	IF	CITATIONS
325	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 $\hat{\pm} T$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	34
326	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	34
327	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 116, 052002.	2.9	34
328	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	1.4	34
329	Measurements of the $t\bar{t}$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7A TeV cross sections. European Physical Journal C, 2017, 77, 15.	1.4	34
330	Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	1.5	34
331	Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	1.5	34
332	Measurement of the top quark mass with lepton+jets final states using pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 891.	1.4	34
333	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	1.4	34
334	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .	1.6	34
335	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	33
336	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.	1.6	33
337	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV decaying to a Z and a Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 255-277.	1.5	33
338	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
339	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.	1.5	33
340	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 244-269.	1.5	33
341	Measurement of exclusive $\gamma\gamma$ photoproduction in ultraperipheral pPb collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2019, 79, 702.	1.4	33
342	Measurement of the top quark polarization and spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 702.	1.6	33

#	ARTICLE	IF	CITATIONS
343	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 13.	1.4	33
344	Search for top squark pair production using dilepton final states in collision data collected at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.4	33
345	Search for singly and pair produced leptoquarks coupling to third-generation fermions in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.5	33
346	Measurement of normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
347	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
348	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
349	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	1.5	32
350	Measurements of the Z production cross sections in the 2μ channel in proton-proton collisions at $\sqrt{s}=7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	1.4	32
351	Correlations in Pb-Pb and pp collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 242301.	2.9	32
352	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
353	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 242301.	2.9	32
354	Search for pair production of second-generation leptoquarks at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, 1.	1.6	32
355	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
356	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
357	Search for heavy gauge $W^{\pm 2}$ bosons in events with an energetic lepton and large missing transverse momentum at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 278-301.	1.5	31
358	Search for top squark pair production in pp collisions at $\sqrt{s}=13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
359	Search for pair production of first-generation scalar leptoquarks at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, 1.	1.6	31
360	A multi-dimensional search for new heavy resonances decaying to boosted WZ or ZZ boson pairs in the dijet final state at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 237.	1.4	31

#	ARTICLE	IF	CITATIONS
361	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
362	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
363	Measurements of \overline{A}^{\pm} spin correlations and top quark polarization using dilepton final states in $\sqrt{s} = 8$ TeV collisions	1.6	30
364	Search for massive WH resonances decaying into the $b\overline{b}$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
365	Inclusive and differential measurements of the $B \rightarrow 0$	1.5	30
366	charge asymmetry in pp collisions at $\sqrt{s} = 8$ TeV	1.5	30
367	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.4	30
368	Measurement of differential cross sections for the production of top quark pairs and of additional jets in $\sqrt{s} = 8$ TeV proton-proton collisions	1.6	30
369	Subsonic quenching with isolated proton-jet correlations in Pb and pp collisions at $\sqrt{s} = 2.76$ TeV	1.6	30
370	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV	2.9	30
371	Search for invisible decays of the Higgs boson produced via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV	1.6	30
372	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s} = 5.02$ TeV	1.4	29
373	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
374	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the α_T variable. European Physical Journal C, 2017, 77, 294.	1.4	29
375	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
376	Bose-Einstein correlations in pp , pPb , and PbPb collisions at $\sqrt{s} = 2.76$ TeV	1.1	29
377	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.	1.4	29
378	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV	1.5	28

#	ARTICLE	IF	CITATIONS
379	Measurement and interpretation of differential cross sections for Higgs boson production at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 269-296.	1.6	28
380	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, .	1.6	28
381	Search for $\overline{t}t$ production in the $H \rightarrow b\overline{b}$ decay channel with leptonic $\overline{t}t$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 119.	1.6	28
382	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, 297-306.	1.5	28
383	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.	1.5	28
384	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	27
385	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 93, .	1.6	27
386	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s} = 8.76$ TeV. Physical Review D, 2017, 95, .	1.5	27
387	Search for anomalous couplings in boosted W boson decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 763, 1-10.	1.5	27
388	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27
389	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.	1.4	27
390	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.	1.6	27
391	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
392	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\gamma$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	1.5	27
393	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
394	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26

#	ARTICLE	IF	CITATIONS
397	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26
398	Combination of searches for heavy resonances decaying to WW, WZ, ZZ, WH, and ZH boson pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 512-516.	1.5	26
399	Search for a low-mass pseudoscalar Higgs boson produced in association with a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.5	26
400	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. Journal of High Energy Physics, 2021, 2021, 1.	1.6	26
401	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	25
402	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets final states produced in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	1.5	25
403	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	1.4	25
404	Search for a low-mass pseudoscalar Higgs boson produced in association with a photon in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.5	25
405	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	1.5	25
406	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
407	The CMS Phase-1 pixel detector upgrade. Journal of Instrumentation, 2021, 16, P02027-P02027.	0.5	25
408	Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, 074011.	1.6	25
409	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	1.6	25
410	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2013, 87, 014011.	1.6	24
411	Measurement of the $t\bar{t}$ production cross section in the $\ell\bar{\ell} + \text{jets}$ channel in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	24
412	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
413	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	1.5	24
414	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, 014011.	1.6	24

#	ARTICLE	IF	CITATIONS
415	Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
416	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
417	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	24
418	Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2017, 118, 021802.	2.9	24
419	P-Type Silicon Strip Sensors for the new CMS Tracker at HL-LHC. Journal of Instrumentation, 2017, 12, P06018-P06018.	0.5	24
420	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	1.5	24
421	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	2.9	24
422	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	1.6	24
423	Search for new long-lived particles at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	1.6	24
424	Search for new long-lived particles at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	1.5	24
425	Measurements of $\sigma(\text{pp} \rightarrow \text{Z}\text{Z})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	2.9	24
426	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.4	24
427	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
428	Measurement of the jet mass in highly boosted $\text{t}\bar{\text{t}}$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	1.4	23
429	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	2.9	23
430	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
431	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
432	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 354.	1.4	23

#	ARTICLE	IF	CITATIONS
433	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8$, $s = 8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
434	Search for supersymmetry in proton-proton collisions at 13 TeV using identified top quarks. Physical Review D, 2018, 97, .	1.6	23
435	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$, $s = 13$ TeV. Physical Review Letters, 2019, 123, 231803.	2.9	23
436	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 $\sqrt{s}=13$, $s = 13$ TeV. European Physical Journal C, 2020, 80, 752.	1.4	23
437	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$, $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
438	Evidence for X(3872) in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s}=2.76$, $s = 2.76$ TeV. Physical Review Letters, 2022, 128, 032001.	2.9	23
439	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=13$, $s = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 367, 25-28.	1.5	22
440	Measurement of the ZZ production cross section and Z \rightarrow $\tau^+\tau^-$, $\tau^+\tau^+$, $\tau^-\tau^-$, $\tau^+\tau^0$, $\tau^-\tau^0$ branching fraction in pp collisions at $\sqrt{s}=13$, $s = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 280-303.	1.5	22
441	Search for $t\bar{t}\tilde{A}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$, $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
442	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s}=13$, $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
443	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s}=13$, $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
444	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \tilde{l} , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$, $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
445	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s}=2.76$, $s = 2.76$ TeV. Physical Review Letters, 2018, 121, 062002.	2.9	22
446	Search for direct pair production of supersymmetric partners to the $\tilde{\tau}_1$ lepton in proton-proton collisions at $\sqrt{s}=13$, $s = 13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
447	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_c^+ \bar{c} s$. Physical Review Letters, 2021, 126, 252003.	2.9	22
448	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$, $s = 13$ TeV. European Physical Journal C, 2020, 80, 370.	1.4	22
449	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 5-28.	1.5	21
450	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$, $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21

#	ARTICLE	IF	CITATIONS
451	Search for a Light Charged Higgs Boson Decaying to a W Boson and a C -Odd Higgs Boson in Final State with P . <i>Physical Review D</i> , 2019, 100, .	2.9	21
452	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 791, 172-194.	1.5	21
453	Constraints on anomalous H and V couplings from the production of Higgs bosons decaying to lepton pairs. <i>Physical Review D</i> , 2019, 100, .	1.6	21
454	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. <i>Computing and Software for Big Science</i> , 2020, 4, 10.	1.3	21
455	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	21
456	Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .	1.6	21
457	Observation of electroweak production of 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, 135000.	1.5	21
458	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	20
459	Measurement of the t production cross section in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 2015, 1.	1.5	20
460	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	20
461	Measurement of B Meson Production in pp Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2018, 2018, 1.	2.9	20
462	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	20
463	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 306-320.	1.5	20
464	Search for $t\bar{t}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
465	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
466	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 99, .	1.6	20
467	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 94.	1.4	20
468	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 100, .	1.6	20

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469	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV in the $W\gamma\gamma$ Channel in Proton-Proton Collisions at the LHC. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	2.9	20
470	Search for a light charged Higgs boson in the $W\gamma\gamma$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	20
471	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	20
472	Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2021, 104.	1.5	20
473	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2021, 104.	1.6	20
474	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	19
475	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{\nu}_\tau$ leptons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	19
476	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2017, 96.	1.6	19
477	Principal-component analysis of two-particle azimuthal correlations in PbPb and p -Pb collisions at CMS. <i>Physical Review C</i> , 2017, 96.	1.9	19
478	Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 788, 132992.	1.5	19
479	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 788, 132992.	1.5	19
480	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 723.	1.4	19
481	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	18
482	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	18
483	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 460.	1.4	18
484	Search for $W\tilde{A}^0$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 196-216.	1.5	18
485	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2021, 104.	1.5	18
486	Search for Higgs boson pair production in the $b\bar{b}\tilde{l}\tilde{l}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	18

#	ARTICLE	IF	CITATIONS
487	Measurement of normalized differential $\overline{\sigma}(\mathbf{t})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
488	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20.	1.4	18
489	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
490	Observation of nuclear modifications in W^{\pm} boson production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135048.	1.5	18
491	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	1.4	18
492	Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135992.	1.5	18
493	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 970.	1.4	18
494	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2022, 82, 290.	1.4	18
495	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
496	Probing color coherence effects in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2901.	1.4	17
497	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
498	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	1.5	17
499	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
500	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 137-162.	1.5	17
501	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
502	Measurement of electroweak-induced production of $W^{\pm 3}$ with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
503	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
504	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17

#	ARTICLE	IF	CITATIONS
505	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physical Review D</i> , 2018, 98, .	1.6	17
506	Search for $Z\tilde{l}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
507	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 697.	1.4	17
508	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	17
509	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 356-364.	1.7	17
510	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	17
511	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 798, 134952.	1.5	17
512	Studies of Beauty Suppression via Nonprompt Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.9$ TeV. <i>Physical Review Letters</i> , 2021, 127, 261804.	2.9	17
513	Search for Long-Lived Particles Decaying to the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2021, 127, 261804.	2.9	17
514	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	16
515	Measurement of the $\overline{t}t$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	16
516	Measurement of jet multiplicity distributions in $\overline{t}t$ production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2014, 74, 3014.	1.4	16
517	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.4	16
518	Measurement of the production cross section in pp collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 536.	1.4	16
519	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 536.	1.4	16
520	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	16
521	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	16
522	Measurement of the production cross section of a Wb boson in association with two b jets in pp collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 92.	1.4	16

#	ARTICLE	IF	CITATIONS
523	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	1.5	16
524	Measurements of the cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 287.	1.5	16
525	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 287.	1.4	16
526	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .	1.6	16
527	Underwater ritual offerings in the Island of the Sun and the formation of the Tiwanaku state. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8233-8238.	3.3	16
528	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	16
529	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 886.	1.4	16
530	Measurement of the production cross sections in the full kinematic range using dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2021, 104, .	1.5	16
531	Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state. Physical Review D, 2021, 104, .	1.6	16
532	Measurement of differential production cross sections in the full kinematic range using dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2021, 104, .	1.6	16
533	Search for a Higgs boson decaying into $\tau\tau$ with low dilepton mass in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	1.5	15
534	Search for a Higgs boson decaying into $\tau\tau$ with low dilepton mass in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	1.5	15
535	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
536	Search for Supersymmetry in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	2.9	15
537	Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 151802.	1.6	15
538	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
539	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
540	Measurement of the $t\bar{t}\tilde{A}^-$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
540	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15

#	ARTICLE	IF	CITATIONS
541	Measurement of the $\langle \mathbf{m} \rangle$ production cross sections in proton-lead and proton-proton collisions at $\sqrt{s} = 5.02$ and 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 509-532.	1.6	15
542	Search for s channel single top quark production in pp collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
544	Search for supersymmetry in pp collisions at $s = 13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
545	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 80-105.	1.5	14
546	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 9-35.	1.5	14
547	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau^+\tau^-$ at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
548	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
549	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 279-307.	1.6	14
550	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
551	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
552	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
553	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 221802.	2.9	14
554	Studies of B_s^0 and B_s^+ decays. (5840) and B_s^0 and B_s^+		

#	ARTICLE	IF	CITATIONS
559	Measurement of the $B \rightarrow X s$ branching fraction in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	2.9	14
560	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. European Physical Journal C, 2020, 80, 534.	1.4	14
561	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
562	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	1.4	14
563	Inclusive nonresonant multilepton probes of new phenomena at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	14
564	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
565	Measurement of the top quark mass using charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 93, .	1.6	13
566	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
567	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	1.5	13
568	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
569	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
570	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
571	Search for parity-violating supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV using b jets in a final state with a single lepton, many jets, and high sum of large-radius jet masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 114-139.	1.5	13
572	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
573	Measurement of the jet mass distribution and top quark mass in hadronic decays of boosted top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	1.6	13
574	Collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	2.9	13
575	Measurement of the jet mass distribution and top quark mass in hadronic decays of boosted top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	1.6	13
576	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136036.	1.5	13

#	ARTICLE	IF	CITATIONS
577	Measurement of the $W\bar{t}$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002.	2.9	13
578	Measurement of the azimuthal anisotropy of and mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review Letters, 2021, 126, 252002.	1.5	13
579	Search for Z and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
580	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
581	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
582	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	12
583	Search for neutral MSSM Higgs bosons decaying to $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	12
584	Search for R -parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
585	Search for high-mass Z resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using jet substructure techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 363-387.	1.6	12
586	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	1.6	12
587	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
588	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
589	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ or $\tilde{\chi}_1^0, \tilde{\chi}_1^{\pm}, \tilde{\chi}_1^{\pm\prime}$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
590	An embedding technique to determine \tilde{t}, \tilde{b} backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.	0.5	12
591	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.	1.5	12
592	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 011803.	2.9	12
593	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.	1.4	12
594			

#	ARTICLE	IF	CITATIONS
595	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
596	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.	1.4	12
597	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $s=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042.	1.5	12
598	Development and validation of HERWIG 7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
599	Measurement of the CP violating phase β_s in the $B \rightarrow D^* \tau \nu_\tau$ decay. Physical Review D, 2021, 103, 094007.	1.5	12
600	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	12
601	Identification of hadronic tau lepton decays using a deep neural network. Journal of Instrumentation, 2022, 17, P07023.	0.5	12
602	Measurement of the $Z\tau^3$ 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.	1.6	11
603	Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, 095016.	1.6	11
604	Search for electroweak production of charginos in final states with two $\tilde{\ell}$, leptons in pp collisions at $s=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
605	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 336-358.	1.5	11
606	Measurement of the semileptonic $t \bar{t} \rightarrow \tau^+ \tau^- Z$ production cross section in pp collisions at $s=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
607	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s=8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
608	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 118-143.	1.5	11
609	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
610	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. Journal of Instrumentation, 2018, 13, P10034-P10034.	0.5	11
611	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
612	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 444.	1.4	11

#	ARTICLE	IF	CITATIONS
613	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. Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.4	11
614	Measurement of the underlying event in top quark pair production in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123. Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.6	11
615	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 43.	1.4	11
616	Reconstructing two millennia of copper and silver metallurgy in the Lake Titicaca region (Bolivia/Peru) using trace metals and lead isotopic composition. Anthropocene, 2021, 34, 100288.	1.6	11
617	Using Z boson events to study parton-medium interactions in Pb-Pb collisions. Physical Review Letters, 2022, 128, 122301.	2.9	11
618	A measurement of the gluon splitting rate into $c\bar{c}$ pairs in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 213-224.	1.5	10
619	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1. Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.6	10
620	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123. Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.6	10
621	The Location of Lake Titicaca's Coastal Area During the Tiwanaku and Inca Periods: Methodology and Strategies of Underwater Archaeology. Journal of Maritime Archaeology, 2017, 12, 223-238.	0.2	10
622	Measurements of the $pp \rightarrow W\gamma\gamma$ and $pp \rightarrow Z\gamma\gamma$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
623	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
624	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
625	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2018, 78, 242. Search for Higgsino pair production in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.4	10
626	Search for Higgsino pair production in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123. Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.6	10
627	Measurement of the $Z/\gamma \rightarrow \mu\mu$ cross section in pp collisions at $\sqrt{s}=13$ TeV and validation of $Z/\gamma \rightarrow \mu\mu$ cross section in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 708.	1.4	10
628	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
629	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123. Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.6	10
630	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123. Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 123.	1.6	10

#	ARTICLE	IF	CITATIONS
631	Search for the production of W^+W^- events at $\sqrt{s} = 13$ TeV. Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 19-44.	1.6	10
632	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	10
633	Search for resonant pair production of Higgs bosons in the $b\bar{b}Z$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review C, 2020, 101, .	1.1	10
634	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	10
635	Search for resonant pair production of Higgs bosons in the $b\bar{b}Z$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review C, 2020, 101, .	1.6	10
636	Evidence for W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
637	Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .	1.6	10
638	Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .	2.9	10
639	Publisher's Note: Search for Dijet Resonances in 7 TeV Collisions at CMS [Phys. Rev. Lett. 105, 211801 (2010)]. Physical Review Letters, 2011, 106, .	2.9	9
640	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q\bar{q}Z$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1208-1228.	1.5	9
641	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q\bar{q}Z$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1208-1228.	1.6	9
642	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	1.6	9
643	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.	1.5	9
644	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\gamma$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
645	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	9
646	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
647	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	2.9	9
648	Multiparticle correlation studies in $PbPb$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2020, 101, .	1.1	9

#	ARTICLE	IF	CITATIONS
649	Search for a heavy vector resonance decaying to a Z_{Higgs} boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	1.4	9
650	Search for $W\tilde{e}^2$ bosons decaying to a top and a bottom quark at $\sqrt{s} = 13$ TeV in the hadronic final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136535.	1.5	9
651	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. Journal of Instrumentation, 2020, 15, P10002-P10002.	0.5	9
652	Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of Leptons in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 126, 011801.	2.9	9
653	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	1.6	8
654	Searches for $W\tilde{e}^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
655	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 215-227.	1.6	8
656	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
657	Pseudorapidity and transverse momentum dependence of flow harmonics in $Pb-Pb$ and $PbPb$ collisions. Physical Review C, 2018, 98, .	1.1	8
658	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\gamma, 2q$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
659	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.	1.5	8
660	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 773.	1.4	8
661	Measurement of CKM matrix elements in single top quark t -channel production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 126, 011801.	1.1	8
662	Measurement of CKM matrix elements in single top quark t -channel production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609.	1.5	8
663	Toward Machine Learning Optimization of Experimental Design. Nuclear Physics News, 2021, 31, 25-28.	0.1	8
664	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.	1.6	8
665	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	1.6	7
666	Search for supersymmetry with photons in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	1.6	7

#	ARTICLE	IF	CITATIONS
667	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	7
668	Search for leptophobic $Z\epsilon^2$ 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.	1.6	7
669	Search for high-mass $Z\tilde{t}^3$ resonances in $e+e\tilde{t}^3$ and $\tilde{t}^3 + \tilde{t}^3$ final states in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
670	Search for excited quarks of light and heavy flavor in $\tilde{q}\tilde{q}^* + \tilde{q}\tilde{q}^*$ jet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 390-411.	1.5	7
671	MoMEMta, a modular toolkit for the Matrix Element Method at the LHC. European Physical Journal C, 2019, 79, 1.	1.4	7
672	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.	1.4	7
673	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7
674	Measurement of differential top quark production cross sections using top quarks at large transverse momenta in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	1.6	7
675	Search for Exclusive Diphoton Production at High Mass with Tagged Photons in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2022, 129, .	2.9	7
676	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	1.5	6
677	$\tilde{l}^*(nS)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	1.5	6
678	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	1.5	6
679	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 479-500.	1.5	6
680	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	6
681	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=5.02$ TeV. Physical Review C, 2017, 96, .	1.1	6
682	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
683	Centrality and pseudorapidity dependence of the transverse energy density in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review C, 2019, 100, .	1.1	6
684	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.	1.5	6

#	ARTICLE	IF	CITATIONS
685	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $s=13\text{ TeV}$. Physical Review D, 2019, 100, . Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physical Review D, 2019, 100, .	1.6	6
686	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 802, 135203.	1.5	6
687	Search for a highly energetic jet, and large missing transverse momentum in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physical Review Letters, 2020, 124, 041803.	2.9	6
688	Performance of the CMS muon trigger system in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of Instrumentation, 2021, 16, P07001.	0.5	6
689	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
690	Observation of the $\bar{t}b\rightarrow\bar{t}\bar{\nu}_\tau$ decay in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135203.	1.5	6
691	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=13\text{ TeV}$ Using Leptonic Decays. Physical Review Letters, 2021, 127, 191801.	2.9	6
692	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
693	A new calibration method for charm jet identification validated with proton-proton collision events at $\sqrt{s}=13\text{ TeV}$. Journal of Instrumentation, 2022, 17, P03014.	0.5	6
694	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
695	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
696	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review D, 2016, 94, .	1.6	5
697	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
698	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 391-412.	1.5	5
699	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	5
700	Measurement of the inclusive $\sigma(\text{t}\bar{\text{t}})$ cross section in pp collisions at $\sqrt{s}=5.02\text{ TeV}$ using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
701	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
702	Observation of the $Z\bar{t}\bar{\nu}_\tau$, $Z\bar{t}\bar{\nu}_\tau$, $Z\bar{t}\bar{\nu}_\tau$ Decay in pp Collisions at $\sqrt{s}=13\text{ TeV}$. Physical Review Letters, 2018, 121, 1418015		

#	ARTICLE	IF	CITATIONS
703	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
704	Search for pair-produced three-jet resonances in proton-proton collisions at $s=13$ TeV. Physical Review D, 2019, 99, .	1.6	5
705	The context and meaning of an intact Inca underwater offering from Lake Titicaca. Antiquity, 2020, 94, 1030-1041.	0.5	5
706	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
707	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z-Boson Yields and Azimuthal Anisotropy at $\sqrt{s}=13$ TeV. Physical Review Letters, 2022, 2022, 1.	2.9	5
708	First measurement of the cross-section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2022, 2022, 1.	1.5	5
709	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2011, 2011, 1.		5
710	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.	1.4	5
711	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.	1.6	5
712	Observation of B mesons and measurement of the B meson decay branching fractions in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2022, 2022, 1.	1.5	5
713	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	1.6	5
714	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
715	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
716	Precision measurement of the W boson decay branching fractions in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2022, 105, .	1.6	5
717	Probing Charm Quark Dynamics via Multiparticle Correlations in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2022, 129, .	2.9	5
718	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $s=7$ and 8 TeV. Physical Review D, 2016, 94, .	1.6	4
719	Search for dark matter particles in proton-proton collisions at $s = 8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
720	Characterisation of irradiated thin silicon sensors for the CMS phase II pixel upgrade. European Physical Journal C, 2017, 77, 1.	1.4	4

#	ARTICLE	IF	CITATIONS
721	Search for CP violation in $t\bar{t} \rightarrow t\bar{t} + \gamma$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
722	Measurement of differential cross sections in the kinematic angular variable $\tilde{\chi}_0^0$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
723	Search for ZZ resonances in the $2\gamma, 2\ell$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
724	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 141802.	2.9	4
725	Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector. Journal of Instrumentation, 2018, 13, P03003-P03003.	0.5	4
726	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 384-409.	1.5	4
727	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.	1.4	4
728	Search for $W \rightarrow 3\pi$ Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.	2.9	4
729	Matrix element regression with deep neural networks "Breaking the CPU barrier". Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
730	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, 114011.	1.6	4
731	Differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, 114011.	1.6	4
732	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	4
733	Search for $W \rightarrow tb$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	3
734	Observation of the decay $B \rightarrow \tau^+ \tau^- (2S) \bar{K}^+$ in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 66-86.	1.6	3
735	Search for top quark partners with charge 5/3 in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
736	Search for Narrow $H \rightarrow \gamma\gamma$ Resonances in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	3
737	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3
738	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, Elementary Particle and High-Energy Physics, 2021, 819, 136409.	1.5	3

#	ARTICLE	IF	CITATIONS
739	Hard color-singlet exchange in dijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.6	3
740	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
741	Study of the $\mathbb{B}^0 \rightarrow \text{upsi} \overline{\Lambda} \text{p}$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
742	Measurements of the $(\text{p}) \rightarrow \text{Z}$ production cross section and the $(\text{Z}) \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{ext } \{\text{TeV}\})$. , 2018, 78, 1.		3
743	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2022, 82, 213.	1.4	3
744	Meson in Pb-Pb and $\text{p} \rightarrow \text{p}$ collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2022, 128, .	2.9	3
745	The altitude of the depths: use of inland water archaeology for the reconstruction of inundated cultural landscapes in Lake Titicaca. World Archaeology, 2022, 54, 67-83.	0.5	3
746	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	2
747	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{Z} + \text{two-jet}$ final states in pp collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
748	The Watery Way to the World of the Dead: Underwater Excavations (Old and New) at the Cave of Han-sur-Lesse, Belgium. , 2019, , 137-161.		2
749	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
750	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
751	Measurement of the inclusive \overline{t} production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
752	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	2
753	Measurement of the production cross section for $\text{Z} \rightarrow \text{b} \overline{\text{b}}$ jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	2
754	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	1
755	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.	2.9	1
756	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physical Review C, 2021, 103, .	1.1	1

#	ARTICLE	IF	CITATIONS
757	Advances in Multi-Variate Analysis Methods for New Physics Searches at the Large Hadron Collider. <i>Reviews in Physics</i> , 2021, 7, 100063.	4.4	1
758	Search for $W\tilde{1}^3$ 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.	1.5	1
759	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	1
760	Observation of $B^0 \rightarrow \psi(2S)K^0_{\text{charm}}$ and $B^0_{\text{charm}} \rightarrow \psi(2S)K^0_{\text{charm}}$ decays. <i>European Physical Journal C</i> , 2022, 82, .	1.4	1
761	Early Standard Model physics and early discovery strategy in CMS. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2008, 177-178, 50-54.	0.5	0
762	Mechanical stability of the CMS strip tracker measured with a laser alignment system. <i>Journal of Instrumentation</i> , 2017, 12, P04023-P04023.	0.5	0
763	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	0
764	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 801, 135183.	1.5	0
765	Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 832, 137263.	1.5	0