

Gerrit Van Onsem

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3192112/publications.pdf>

Version: 2024-02-01

641
papers

44,013
citations

2802

94
h-index

4015

176
g-index

645
all docs

645
docs citations

645
times ranked

12262
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. Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	4.1	6,177
2	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	7.8	1,062
3	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	3.9	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.	4.1	520
5	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	1.2	508
6	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
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, 710, 26-49.	1.2	467
8	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
9	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, 054002.	2.9	455
10	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	1.2	418
11	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. Nature, 2015, 522, 68-72.	27.8	390
12	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
13	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	369
14	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355
15	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	4.1	354
16	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
17	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
18	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320

#	ARTICLE	IF	CITATIONS
19	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	1.2	307
20	Measurement of the $B_s \rightarrow 0 \hat{a}'$ branching fraction and search for the mass and spin-parity of the Higgs boson candidate via its decays to Z boson pairs. Physical Review Letters, 2013, 110, 081803.	7.8	282
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. European Physical Journal C, 2014, 74, 3036.	7.8	270
22	Observation of sequential Λ^0 suppression in PbPb collisions. Physical Review Letters, 2012, 109, 222301.	3.9	241
23	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.	7.8	220
24	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	1.2	216
25	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	208
26	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	4.7	200
27	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	3.9	198
28	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	4.1	193
29	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	3.9	191
30	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	2.9	185
31	Search for heavy neutrinos and W bosons with right-handed couplings in proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	3.9	179
32	Evidence for Collective Multiparticle Correlations in PbPb collisions. Physical Review Letters, 2015, 115, 012301.	7.8	177
34			

#	ARTICLE	IF	CITATIONS
37	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.	4.7	169
38	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
39	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P08010-P08010.	1.2	168
40	Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 712, 176-197.	4.1	161
41	Measurement of the inclusive W and Z boson production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	161
42	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	158
43	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	154
44	Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.	7.8	153
45	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
46	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{t} and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	3.9	147
47	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.	4.1	144
48	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	1.2	140
49	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and Pb collisions. Physical Review C, 2015, 92, .	2.9	140
50	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
51	Measurement of Long Range Near Side Two-Particle Angular Correlations in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 172302.	7.8	139
52	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
53	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	2.9	133
54	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 2.76, 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	4.1	130

#	ARTICLE	IF	CITATIONS
55	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
56	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 64-85.	4.1	129
57	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	7.8	126
58	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	7.8	125
59	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	125
60	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
61	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 8$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
62	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
63	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	4.1	122
64	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	4.1	120
65	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	4.1	120
66	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC. Journal of Instrumentation, 2013, 8, P11002-P11002.	1.2	119
67	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	118
68	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	118
69	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
70	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
71	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the CMS detector. Physical Review D, 2013, 87, 114005.	4.7	115
72	Evidence for the direct decay of the 125 GeV Higgs boson to fermions. Nature Physics, 2014, 10, 557-560.	16.7	114

#	ARTICLE	IF	CITATIONS
73	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7.8$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	114
74	Measurement of jet fragmentation in PbPb and pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	2.9	113
75	Inclusive search for a vector-like T quark with charge $\pm 2/3$. Physical Review D, 2014, 90.	4.1	112
76	Observation of the Associated Production of a Single Top Quark and a W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	110
77	Observation of the Associated Production of a Single Top Quark and a W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	108
78	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	108
79	Observation of Charge-Dependent Azimuthal Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	108
80	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36, \text{ and } 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
82	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
83	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	1.2	102
84	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
85	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
86	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99
87	Search for narrow resonances decaying to dijets in proton-proton collisions at $\sqrt{s} = 7.8$ TeV. Journal of High Energy Physics, 2011, 2011, 1.		

#	ARTICLE	IF	CITATIONS
91	Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	95
92	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	95
93	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	95
94	Measurement of $W+W\bar{a}$ production and search for the Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.1	90
95	Boson Production Cross Sections in pp Collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	7.8	94
96	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	1.2	93
97	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	92
98	Performance of \tilde{l}, q -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	1.2	91
99	First measurement of the cross section for top-quark pair production in proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.1	90
100	Searches for new physics using θ_{eff} invariant mass distribution in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2013, 111, 211804.	7.8	90
101	Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.1	89
102	Upsilon production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.7	88
103	Measurement of the W production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.1	88
104	Measurement of the W production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	4.1	88
105	Measurement of the elastic proton-proton cross section at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	88
106	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	3.9	88
107	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	4.1	87
108	Angular analysis of the decay $B \rightarrow K^* \ell^+ \ell^-$ from pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	4.1	87

#	ARTICLE	IF	CITATIONS
109	Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2017, 772, 409-511.	4.7	87
110	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
111	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
112	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	12.6	85
113	Evidence of $b\bar{c}$ jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	7.8	85
114	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
115	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
116	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
117	Reconstruction and identification of \bar{D}_s^* lepton decays to hadrons and $\bar{D}_s^* \rightarrow \bar{D}_s^0 \pi^+$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
118	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
119	Measurement of the single-top-quark t -channel cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83
120	Study of W boson production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 715, 66-87.	4.7	83
121	Measurement of the differential cross section and charge asymmetry for inclusive $p \rightarrow W^+ + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
122	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
123	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.	7.8	82
124	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82
125	J/ψ and $\bar{\psi}(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
126	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV and $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	81

#	ARTICLE	IF	CITATIONS
127	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
128	Search for a charged Higgs boson in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
129	Measurement of the $B \rightarrow p \bar{p}$ Production Cross Section in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 106, 231801.	7.8	80
130	Study of $Z \rightarrow \tau \tau$ Boson Production in PbPb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review Letters, 2011, 106, 212301.	7.8	80
131	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	7.8	80
132	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	4.1	79
133	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
134	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 75.	3.9	78
135	Measurement of the $t \bar{t} \rightarrow \tau \tau$ production cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 106, 231801.	7.8	80
136	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
137	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, 341, 291-302.	4.1	77
138	Inclusive and differential measurements of the $t \bar{t} \rightarrow \tau \tau$ charge asymmetry in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	4.1	76
139	Search for Top-Quark Partners with Charge $\pm 2/3$ in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2014, 112, 171801.	7.8	76
140	Study of exclusive two-photon production of W^+W^- in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
141	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2014, 74, 1.	3.9	75
142	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2011, 106, 231801.	7.8	74
143	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
144	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \eta + \bar{\psi} \eta$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73

#	ARTICLE	IF	CITATIONS
145	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
146	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	71
147	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	70
148	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	70
149	Measurement of Prompt D^0 and D^+ Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	7.8	70
150	Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	7.8	70
151	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 3.	3.9	70
152	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
153	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	69
154	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	68
155	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	3.9	68
156	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	68
157	Search for heavy Majorana neutrinos in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	68
158	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	3.9	68
159	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 $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 368.	3.9	68
160	Search for a standard model-like Higgs boson in the pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	67
161	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84, 114005.	4.7	65
162	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65

#	ARTICLE	IF	CITATIONS
163	Search for microscopic black hole signatures at the Large Hadron Collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 434-453.	4.1	65
164	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in $\sqrt{s} = 7 \text{ TeV}$ Collisions at $\sqrt{s} = 7 \text{ TeV}$	7.8	65
165	Observation of a New $Z \rightarrow b\bar{b}$ Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
166	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 3129.	3.9	65
167	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2283.	3.9	64
168	Search for Flavor-Changing Neutral Currents in Top-Quark Decays $Z \rightarrow q\bar{q}$	7.8	64
169	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 439.	3.9	64
170	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	3.9	64
171	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. Physical Review Letters, 2012, 108, 111801.	7.8	63
172	Measurements of $Z \rightarrow t\bar{t}$ Spin Correlations and Top-Quark Polarization Using Dilepton Final States in $\sqrt{s} = 8 \text{ TeV}$	7.8	63
173	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $s = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	4.1	63
174	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	63
175	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
176	Measurement of the Isolated Prompt Photon Production Cross Section in $\sqrt{s} = 7 \text{ TeV}$ Collisions at $\sqrt{s} = 7 \text{ TeV}$	7.8	62
177	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s} = 2.76 \text{ TeV}$	7.8	62
178	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	7.8	62
179	Measurement of the $W+W^*$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous WW^3 and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
180	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 13.	3.9	62

#	ARTICLE	IF	CITATIONS
181	Measurement of the $\langle \mathcal{M}^2 \rangle$ in $B \rightarrow A \pm$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2017, 119, 152301.	7.8	62
182	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
183	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
184	Measurement of the $\langle \mathcal{M}^2 \rangle$ in $B \rightarrow 0$ Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61
185	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61
186	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
187	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 106, 122003.	7.8	60
188	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 122003.	7.8	60
189	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. Journal of High Energy Physics, 2011, 2011, 1.	3.9	60
190	Measurement of the J/ψ production and J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 122003.	7.8	60
191	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
192	Search for a Vectorlike Quark with Charge $\pm 2/3$ in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2016, 752, 146-168.	7.8	59
193	A search for pair production of new light bosons decaying into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	4.1	59
194	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
195	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
196	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
197	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	4.7	58
198	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.	3.9	58

#	ARTICLE	IF	CITATIONS
199	Measurement of the weak mixing angle using the forward–backward asymmetry of Drell–Yan events in $p\bar{p}$ collisions at 8 TeV. European Physical Journal C, 2018, 78, 701.	3.9	58

200

#	ARTICLE	IF	CITATIONS
217	ment of the $\int_0^1 \frac{1}{x} dx$ (mathvariant="normal") overflow="scroll"></mml:mi></mml:mi></mml:mo> stretchy="false"></mml:mo><mml:mn>1</mml:mn></mml:mi> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (mathvariant="normal") xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"></mml:mi></mml:mi></mml:mo>		

#	ARTICLE	IF	CITATIONS
235	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
236	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
237	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	7.8	49
238	Search for leptonic decays of $W\tilde{e}^2$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
239	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.	3.9	49
240	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 709, 187-196.	4.7	48
241	Measurement of the di-high energy production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 709, 187-196.	4.7	48
242	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.	4.7	48
243	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	48
244	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	3.9	48
245	Search for Supersymmetry in pp Collisions at $\sqrt{s} = 7$ TeV in Events with Two Photons and Missing Transverse Energy. Physical Review Letters, 2011, 106, 211802.	7.8	47
246	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.	4.7	47
247	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.	4.1	47
248	Search for Top Squarks in Parity-Violating Supersymmetry Using Three or More Leptons and Tagged Jets. Physical Review Letters, 2013, 111, 221801.	7.8	47
249	Search for the production of a Z boson and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	47
250	Search for the production of a Z boson and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	47
251	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.	4.7	46
252	Measurement of the Polarization of W Bosons with Large Transverse Momenta in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 021802.	7.8	46

#	ARTICLE	IF	CITATIONS
253	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 Measurement of the ratio $\langle \text{mml:math xmlns:mml= "http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \text{t} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (street$	4.7	46

254
stretchy="false" > / < / mml:mo > < mml:mi mathvariant="script" > B < / mml:mi > < mml:mo

#	ARTICLE	IF	CITATIONS
271	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. <i>Physical Review Letters</i> , 2015, 114, 061801.	7.8	44
272	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>European Physical Journal C</i> , 2015, 75, 151.	3.9	44
273	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 $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>European Physical Journal C</i> , 2015, 75, 151.	4.1	44
274	Study of Z boson production in pp collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 763, 472-500.	4.1	44
275	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext} \{ \text{TeV} \}$ $s = 13 \text{ TeV}$. <i>European Physical Journal C</i> , 2018, 78, 140.	3.9	44
276	Search for pair-produced dijet resonances in four-jet final states in proton-proton collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 36-57.	7.8	43
277	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>European Physical Journal C</i> , 2014, 74, 3060.	3.9	43
278	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	43
279	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>European Physical Journal C</i> , 2015, 75, 325.	3.9	43
280	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 102-124.	4.1	43
281	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ in final states with jets and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	43
282	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	42
283	Study of W boson production in pp collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 750, 565-586.	4.1	42
284	Evidence for exclusive $\tilde{\chi}_1^0 \tilde{\chi}_1^0 W^+ W^-$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7 \text{ TeV}$ and 8 TeV . <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	42
285	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	42
286	Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>Physical Review Letters</i> , 2010, 105, 262001.	7.8	41
287	Inclusive search for squarks and gluinos in proton-proton collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>Physical Review Letters</i> , 2010, 105, 262001.	7.8	41
288	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 8, \text{ext} \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 755, 102-124.	4.7	41

#	ARTICLE	IF	CITATIONS
289	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. Event shapes and azimuthal correlations in Z	4.7	41
290	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. Event shapes and azimuthal correlations in Z	4.1	41
291	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. Event shapes and azimuthal correlations in Z	4.7	41
292	Measurement of the $t\bar{t}$ production cross section in the $e\bar{\nu}_e$ channel in proton-proton collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
293	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ and 13 TeV. European Physical Journal C, 2016, 76, 128.	3.9	41
294	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.	4.7	41
295	Search for same-sign top-quark pair production at $\sqrt{s}=7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
296	Measurement of the $t\bar{t}$ production cross section using events in the $e\bar{\nu}_e$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
297	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	3.9	40
298	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.	3.9	40
299	Measurement of $W\bar{Z}$ and $Z\bar{Z}$ production in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	4.1	39
300	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
301	Inclusive b-jet production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
302	Measurement of the $Z\bar{Z}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
303	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
304	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma, \gamma\gamma, \gamma\gamma$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
305	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.	4.7	39
306	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.	3.9	39

#	ARTICLE	IF	CITATIONS
307	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
308	First measurement of hadronic event shapes in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	4.1	38
309	Measurement of the top-quark mass in $\overline{t}t$ events with lepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
310	Search for pair produced fourth-generation up-type quarks in pp collisions at $\sqrt{s} = 7$ TeV with a lepton in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 307-328.	4.1	38
311	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.	3.9	38
312	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.	3.9	38
313	Suppression of Excited \overline{P} States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2018, 120, 142301.	7.8	38
314	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying l , leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
315	Measurement of the $\overline{t}t$ 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.	3.9	37
316	Measurement of the $b\overline{b}$ cross section and the $b\overline{b}g$ cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204-225.	4.1	37
317	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, 2014, 735, 204-225.	4.1	37
318	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
319	Combined search for anomalous pseudoscalar HVV couplings in VH production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
320			

#	ARTICLE	IF	CITATIONS
325	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2015, 114, 101801.	7.8	36
326	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\ell\ell$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
327	Search for narrow resonances in the $b\bar{b}\ell\ell$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	7.8	36
328	Measurement of the $b\bar{b}\ell\ell$ cross section with $B\bar{B} s\bar{s}$ production in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2011, 84, .	4.7	35
329	Measurement of the $b\bar{b}\ell\ell$ cross section in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2011, 84, .	4.7	35
330	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.	3.9	35
331	Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm}$ jets and $e^{\pm}\ell\ell$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
332	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 111802.	7.8	35
333	Search for anomalous Wtb couplings and flavour-changing neutral currents in t -channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
334	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.	3.9	35
335	Search for Three-jet Resonances in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2011, 107, 101801.	7.8	34
336	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
337	Search for microscopic black holes in pp collisions at $\sqrt{s}=\{7\text{TeV}\}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
338	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b -quark jets in 7 TeV pp collisions using the variable \cancel{E}_T . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
339	Search for a $W\rightarrow b\bar{b}\ell\ell$ boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2011, 107, 101801.	4.1	34
340	Search for $Z\rightarrow\ell\ell$ resonances decaying to $t\bar{t}\ell\ell$ final states in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2013, 87, .	4.7	34
341	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.	4.7	34
342	Search for $Z\rightarrow\ell\ell$ resonances decaying to $t\bar{t}\ell\ell$ final states in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2013, 87, .	4.1	34

#	ARTICLE	IF	CITATIONS
343	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 7,8$ TeV. Physical Review Letters, 2016, 116, 052002.	7.8	34
344	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.	3.9	34
345	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 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
346	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.	3.9	34
347	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	33
348	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
349	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, 749, 255-277.	4.7	33
350	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	3.9	33
351	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	3.9	33
352	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.	3.9	33
353	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.	3.9	33
354	Measurement of B angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
355	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
356	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
357	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
358	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2674.	3.9	32
359	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.	4.1	32
360	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	1.2	32

#	ARTICLE	IF	CITATIONS
361	Measurements of the $Z Z$ production cross sections in the $2u$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
362	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
363	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
364	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	31
365	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
366	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
367	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.	4.7	31
368	A multi-dimensional search for new heavy resonances decaying to boosted W , Z , or τ boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 237.	3.9	31
369	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
370	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	30
371	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
372	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
373	Measurement of the W-boson helicity in top-quark decays from $t \rightarrow Wb$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
374	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
375	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
376	Measurement of the CP-violating weak phase β_s and the decay width difference Γ_{12}^s using the $B_s \rightarrow \mu^+ \mu^-$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.1	30
377	Measurement of the CP-violating weak phase β_s and the decay width difference Γ_{12}^s using the $B_s \rightarrow \mu^+ \mu^-$ decay. Journal of High Energy Physics, 2017, 2017, 1.	4.1	30
378	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	3.9	30

#	ARTICLE	IF	CITATIONS
379	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
380	Search for a $W \rightarrow \tau \nu$ or Techni- $W \rightarrow \tau \nu$ decaying into $\tau \nu$ at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 372.	7.8	29
381	Search for a $Z \rightarrow \tau \tau$ or $Z \rightarrow \tau \nu$ decaying into $\tau \nu$ at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 372.	4.1	29
382	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 372.	3.9	29
383	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
384	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.	3.9	29
385	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.	4.7	29
386	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.	3.9	29
387	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.	4.1	28
388	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.	4.1	28
389	Forward-backward asymmetry of dilepton pairs in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 752-772.	4.1	28
390	Search for $\tau \rightarrow \mu \nu$ production in the $\tau \rightarrow \mu \nu$ decay channel with leptonic τ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
391	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
392	Search for a $Z \rightarrow \tau \tau$ or $Z \rightarrow \tau \nu$ decaying into $\tau \nu$ at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 372.	4.1	27
393	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
394	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.	4.7	27
395	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 59-60.	4.1	27
396	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.	4.7	27

#	ARTICLE	IF	CITATIONS
397	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.	3.9	27
398	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, PO2027-P02027.	1.2	27
399	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.	4.7	27
400	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
401	Search for a heavy gauge boson Z' in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	26
402	Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .	4.7	26
403	Search for resonant $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
404	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.	3.9	26
405	Search for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	26
406	Search for the standard model Higgs boson in the $H \rightarrow Z\gamma$ channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
407	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
408	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
409	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
410	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	3.9	26
411	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.	4.7	25
412	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	25
413	Forward–backward asymmetry of dilepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	3.9	25
414	Search for a low-mass pseudoscalar Higgs boson produced in association with a $t\bar{t}$ pair in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters Section B: Nuclear, Elementary Particle and High Energy Physics, 2017, 369, 287.	4.1	25

#	ARTICLE	IF	CITATIONS
415	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.	4.7	25
416	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2013, 87, .	4.7	24
417	Measurement of the $t\bar{t}$ production cross section in the $\ell, +$ jets channel in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	24
418	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
419	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
420	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	4.1	24
421	Measurements of $t\bar{t}$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 200.	3.9	24
422	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
423	Search for exotic quarks in the $t\bar{t}$ final state in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 274-293.	4.1	23
424	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s}=8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	3.9	23
425	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.	4.7	23
426	Measurement of the jet mass in highly boosted $t\bar{t}$ events from pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 467.	3.9	23
427	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	7.8	23
428	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.	4.7	23
429	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.	4.7	23
430	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.	3.9	23
431	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
432	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 752.	3.9	23

#	ARTICLE	IF	CITATIONS
433	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
434	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
435	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 42-61.	4.1	22
436	Search for physics beyond the standard model in events with \bar{l}, l , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
437	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 815-840.	4.1	22
438	Search for $t\bar{t}\bar{A}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
439	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
440	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
441	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \bar{l}, l , leptons and two jets in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
442	Search for direct pair production of supersymmetric partners to the $\tau^+\tau^-$ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	3.9	22
443	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 370.	3.9	22
444	Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2011, 106, 201802.	7.8	21
445	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.	4.1	21
446	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
447	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	4.7	21
448	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
449	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
450	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	3.9	20

#	ARTICLE	IF	CITATIONS
451	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1252-1272.	4.1	20
452	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi mathvariant="normal" \rangle t \langle / \text{mml:mi} \rangle \langle \text{mml:mover accent="true" \rangle \langle \text{mml:mi mathvariant="normal" \rangle t \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{A}^- \langle / \text{mml:mo} \rangle \langle / \text{mml:mover} \rangle \langle / \text{mml:math} \rangle$ production cross section in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$	4.1	20
453	Measurements of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ charge asymmetry using the dilepton decay channel in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
454	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
455	Meson Production in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 7$ TeV.	7.8	20
456	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
457	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\overline{\text{H}}$ production in the all-jet final state in proton-proton collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
458	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
459	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
460	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
461	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \text{ leptons}$ in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
462	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 723.	3.9	19
463	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 86, .	4.7	18
464	Search for quark compositeness in dijet angular distributions from pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
465	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2013, 110, 042301.	4.1	18
466	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2013, 110, 042301.	4.1	18
467	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.	4.1	18
468	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 8 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle$ $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18

#	ARTICLE	IF	CITATIONS
469	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.	3.9	18
470	Search for $W\bar{c}$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	4.1	18
471	Measurement of normalized differential $\overline{\sigma}(\mathcal{B})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
472	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.	4.7	18
473	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	3.9	18
474	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.	3.9	18
475	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.	3.9	18
476	Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2011, 106, 201803.	7.8	17
477	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
478	Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	17
479	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
480	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.	4.7	17
481	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
482	Measurement of the ratio of the production cross sections times branching fractions of B_c and B_s mesons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
483	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.	4.7	17
484	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.	4.1	17
485	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.	4.7	17
486	Measurement of electroweak-induced production of W^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.	4.7	17

#	ARTICLE	IF	CITATIONS
487	Measurements of jet charge with dijet events in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
488	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
489	Search for $Z^{\prime 3}$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
490	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2018, 78, 697.	3.9	17
491	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
492	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	16
493	Measurement of the $\overline{\text{t}} \text{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
494	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
495	Measurement of jet multiplicity distributions in $\overline{\text{t}} \text{t}$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 3014.	3.9	16
496	Measurement of the production cross section ratio $\sigma(\overline{\text{t}} \text{t} + 2(1P)) / \sigma(\overline{\text{t}} \text{t} + 1(1P))$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	16
497	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e \mu$ pair in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Measurement of the $\overline{\text{t}} \text{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 3014.	3.9	16
498	Measurement of the $\overline{\text{t}} \text{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 3014.	3.9	16
499	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 536.	3.9	16
500	Search for excited leptons in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
501	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 $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
502	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2017, 77, 92.	3.9	16
503	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2018, 78, 287.	3.9	16
504	Study of the Dijet Mass Spectrum in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2012, 109, 251801.	4.1	15

#	ARTICLE	IF	CITATIONS
505	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
506	Search for charge-asymmetric production of χ^0 and χ^\pm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	15
507	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
508	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
509	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 280-301.	4.1	15
510	Measurement of the cross section ratio $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}}) / \sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}} + \text{b}\bar{\text{b}})$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	15
511	Search for a Higgs boson decaying into $\tau^+\tau^-$ with low dilepton mass in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.1	15
512	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
513	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.	4.7	15
514	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.	4.7	15
515	Measurement of the $\text{t}\bar{\text{t}}\gamma$ 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.	4.7	15
516	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.	4.7	15
517	Measurement of the ratio of the jet-to-jet cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	14
518	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
519	Measurement of the production cross section for $\text{Z}\gamma \rightarrow \text{u}\bar{\text{u}}\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on $\text{ZZ}\gamma^3$ and $\text{Z}\gamma^3$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
520	Search for s channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
521	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
522	Measurement of spin correlations in $\text{t}\bar{\text{t}}\gamma$ production using the matrix element method in the muon+jets final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	14

#	ARTICLE	IF	CITATIONS
523	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.1	14
524	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $t\bar{t}$ at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	14
525	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	14
526	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	14
527	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	14
528	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	14
529	Measurements of the pp $\hat{\sigma}$ WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	14
530	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	14
531	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2022, 82, 153.	3.9	14
532	Search for light resonances decaying into pairs of muons as a signal of new physics. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	13
533	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	13
534	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	13
535	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. <i>Physical Review D</i> , 2013, 87, .	4.7	13
536	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	13
537	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	13
538	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 363-388.	4.1	13
539	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 $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	13
540	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	13

#	ARTICLE	IF	CITATIONS
541	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.	4.7	13
542	Jet properties in PbPb and pp collisions at $\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
543	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.	4.7	13
544	Search for first generation scalar leptoquarks in the jj channel in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.1	12
545	Search for contact interactions using the inclusive jet spectrum in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
546	Search for contact interactions using the inclusive jet spectrum in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
547	Search for baryon number violation in top-quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 173-196.	4.1	12
548	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.	4.7	12
549	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
550	Search for neutral MSSM Higgs bosons decaying to $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 221-246.	4.1	12
551	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
552	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.	4.7	12
553	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ or $\tilde{\chi}_1^0 \tilde{\chi}_1^{\pm}$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
554	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
555	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
556	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
557	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
558	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	11

#	ARTICLE	IF	CITATIONS
559	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ decay channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
560	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .	4.7	11
561	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.	4.7	11
562	Search for electroweak production of charginos in final states with two τ , leptons in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
563	Measurement of the semileptonic $t \bar{t} \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ production cross section in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
564	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.	4.7	11
565	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.	4.7	11
566	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.	4.7	11
567	Study of the underlying event in top quark pair production in $pp \rightarrow t \bar{t} + X$ collisions at 13 TeV. European Physical Journal C, 2019, 79, 123.	3.9	11
568	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
569	Search for excited leptons in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 309-329.	4.7	10
570	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
571	Measurements of the $pp \rightarrow W\tau^3$ and $pp \rightarrow Z\tau^3$ cross sections and limits on anomalous quartic gauge couplings at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
572	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
573	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.	4.7	10
574	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.	3.9	10
575	Measurement of the $Z/\gamma \rightarrow \tau^+ \tau^- \tau^+ \tau^-$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $Z/\gamma \rightarrow \tau^+ \tau^- \tau^+ \tau^-$. European Physical Journal C, 2018, 78, 708.	3.9	10
576	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u \bar{u} \rightarrow Z \tau^+ \tau^-$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10

#	ARTICLE	IF	CITATIONS
577	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q\bar{q} \rightarrow Z Z$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1226-1228.	4.1	9
578	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	9
579	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
580	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\tau$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
581	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.	3.9	9
582	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	3.9	9
583	Search for a heavy resonance decaying to a Z boson and a Z or W boson in $2q$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.1	8
584	Trapping in proton irradiated p+n-n+silicon sensors at fluences anticipated at the HL-LHC outer tracker. Journal of Instrumentation, 2016, 11, P04023-P04023.	1.2	8
585	Signatures of top flavour-changing dark matter. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
586	Searches for W 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.	4.7	8
587	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.	4.7	8
588	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2q$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
589	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
590	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
591	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 88, .	4.7	7
592	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
593	Search for high-mass Z resonances in e^+e^- and $q\bar{q}$ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
594	Measurement of the cross section for production of b decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6

#	ARTICLE	IF	CITATIONS
595	Search for anomalous production of highly boosted Z bosons decaying to $\mu^+\mu^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.1	6
596	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	3.9	6
597	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.	4.1	6
598	$\tilde{l}(nS)$ 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.	4.1	6
599	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.	4.1	6
600	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.	4.1	6
601	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.	4.7	6
602	Pseudorapidity dependence of long-range two-particle correlations in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review C, 2017, 96.	2.9	6
603	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.	4.7	6
604	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
605	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
606	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
607	Search for contact interactions in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
608	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
609	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
610	Measurement of the ratio $R_{B\tau}$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.		

#	ARTICLE	IF	CITATIONS
613	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
614	Search for the pair production of light top squarks in the $e^+e^- \rightarrow t\bar{t}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
615	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.	4.7	5
616	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, .	4.7	5
617	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
618	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
619	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
620	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review D, 2016, 94, .	4.7	4
621	Search for dark matter particles in proton-proton collisions at $\sqrt{s} = 8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
622	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.	4.7	4
623	Measurement of differential cross sections in the kinematic angular variable $\tilde{\eta}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
624	Search for ZZ resonances in the $2\gamma, 2\ell\ell$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
625	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 305.	3.9	4
626	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	4
627	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	3
628	Search for $W\epsilon^2 \rightarrow t\bar{b}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
629	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.	4.7	3
630	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	1.2	3

#	ARTICLE	IF	CITATIONS
631	Measurement of the (\overline{t}) production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
632	Measurements of the $(\mathrm{p})\mathrm{p}\rightarrow\mathrm{Z}\mathrm{Z})$ production cross section and the $(\mathrm{Z}\rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13,\mathrm{TeV})$. , 2018, 78, 1.		3
633	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	2
634	Measurements of angular distance and momentum ratio distributions in three-jet and \sqrt{s} + two-jet final states in pp collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
635	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.	4.7	2
636	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.	4.7	2
637	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, .	4.7	2
638	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.	4.7	1
639	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
640	Observation of $B^0 \rightarrow \psi(2S)K^0_{\mathrm{S}}\mathrm{uppi}^+\mathrm{uppi}^-$ and $B^0_{\mathrm{S}} \rightarrow \psi(2S)K^0_{\mathrm{S}}\mathrm{uppi}^+\mathrm{uppi}^-$ decays. European Physical Journal C, 2022, 82, .	3.9	1
641	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	0