

Kerem Cankocak

List of Publications by Year in descending order

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Version: 2024-02-01

474
papers

19,046
citations

13865

67
h-index

24982

109
g-index

490
all docs

490
docs citations

490
times ranked

9681
citing authors

#	ARTICLE	IF	CITATIONS
1	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 \sqrt{s} TeV. European Physical Journal C, 2015, 75, 212.	3.9	541
2	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
3	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
4	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
5	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
6	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
7	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
8	Performance of the DELPHI detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 57-100.	1.6	294
9	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.	3.9	241
10	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	4.7	230
11	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
12	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191
13	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	3.9	179
14			

#	ARTICLE	IF	CITATIONS
19	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{t} \pm T$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2013, 73, 2568.	3.9	147
20	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
21	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
22	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	129
23	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	3.9	125
24	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l}, \tilde{\nu}$, leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
25	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 13.6$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
26	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
27	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
28	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
29	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
30	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36$, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
31	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
32	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
33	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	100
34	Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 710.	3.9	98
35	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	95
36	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

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37	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
38	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
39	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
40	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
41	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
42	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
43	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
44	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
45	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
46	Measurement of the differential cross section and charge asymmetry for inclusive $p \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
47	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at 5.02 TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
48	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82
49	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	4.7	82
50	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
51	Search for a charged Higgs boson in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
52	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
53	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 75.	3.9	78
54	Observation of orbitally excited B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 598-608.	4.1	76

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55	Study of exclusive two-photon production of $W+W\hat{~}$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
56	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ s NN = 5.02 TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
57	Measurement of the $\sigma(\mathrm{W}^{+}\mathrm{W}^{-})$ $W+W$ - cross section in pp collisions at $\sqrt{s}=8$ s = 8 TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
58	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
59	Search for additional neutral MSSM Higgs bosons in the \tilde{l}, \tilde{l}^* final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	73
60	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
61	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in protonâ€“proton collisions at $\sqrt{s}=13$, ext {TeV} TeV. European Physical Journal C, 2020, 80, 3.	3.9	70
62	Measurement of the $\sigma(\mathrm{t}\overline{\mathrm{t}})$ 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
63	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
64	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
65	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
66	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
67	Measurement of the inclusive 3-jet production differential cross section in protonâ€“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
68	Measurement of the $\sigma(\mathrm{t}\overline{\mathrm{t}})$ $t\bar{t}\hat{~}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	3.9	68
69	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7$, ext {TeV} s = 7 TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
70	Improved measurements of cross sections and asymmetries at the Z0 resonance. Nuclear Physics B, 1994, 418, 403-427.	2.5	64
71	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s}=7$ mbox{TeV}. European Physical Journal C, 2013, 73, 2283.	3.9	64
72	Search for new physics in same-sign dilepton events in protonâ€“proton collisions at $\sqrt{s}=13$, ext {TeV} s = 13 TeV. European Physical Journal C, 2016, 76, 439.	3.9	64

73	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
74	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\tilde{1}^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
75	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 13.	3.9	62
76	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
77	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
78	Design, performance, and calibration of CMS forward calorimeter wedges. European Physical Journal C, 2008, 53, 139-166.	3.9	60
79	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 the TeV range. European Physical Journal C, 2013, 73, 1.	3.9	60
80	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
81	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
82	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
83	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
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91	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	55
92	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	3.9	55
93	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	3.9	54
94	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
95	Search for charged Higgs bosons in the $H^{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
96	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
97	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
98	Measurement of the $\tau^+ \tau^-$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
99	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	3.9	52
100	Measurements of the $\mathcal{B}(B \rightarrow Z \mu^+ \mu^-)$ production cross section and the $\mathcal{B}(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	3.9	52
101	Search for exclusive or semi-exclusive $\tau^+ \tau^-$ production and observation of exclusive and semi-exclusive $e^+ e^-$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	51
102	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
103	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	3.9	50
104	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
105	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 564.	3.9	50
106	Search for leptonic decays of $W^{\pm 2}$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
107	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
108	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

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109	Observation of $\Upsilon(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	48
110	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
111	Inclusive measurements of the production in hadronic Z^0 decays. Nuclear Physics B, 1995, 444, 3-26.	2.5	47
112	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
113	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.	4.7	46
114	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
115	Search for third-generation scalar leptoquarks decaying to a top quark and a μ^\pm lepton at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	3.9	46
116	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
117	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
118	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	3.9	44
119	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	3.9	44
120	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
121	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
122	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	3.9	43
123	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	4.7	43
124	Measurement and interpretation of the W-pair cross-section in e^+e^- interactions at 161 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 397, 158-170.	4.1	42
125	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
126	Evidence for exclusive $\tilde{\chi}_1^0 \rightarrow W + W \rightarrow \gamma\gamma$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42

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127	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
128	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
129	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.	4.7	41
130	Measurement of the $t\bar{t}$ production cross section in the $e\bar{\nu}_\tau$ channel in proton-proton collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
131	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128.	3.9	41
132	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 $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	41
133	Measurement of the $t\bar{t}$ production cross section using events in the $e\bar{\nu}_\tau$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
134	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
135	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40
136	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	40
137	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
138	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
139	Measurement of the ZZ production cross section and search for anomalous couplings in $2\ell, 2\ell, \ell\ell$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
140	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $s = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
141	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
142	Production of charged particles, K_S^0 , K^\pm , p and \bar{p} in events and in the decay of b hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 347, 447-466.	4.1	38
143	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
144	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38

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145	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
146	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
147	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying l, \bar{l} , leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
148	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
149	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
150	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	37
151	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b} \rightarrow \gamma\gamma$ final state in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
152	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
153	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \mu^+\mu^-$ jets and $e^+e^- \rightarrow \mu^+\mu^-$ jets events in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
154	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
155	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
156	Measurement of exclusive $\gamma\gamma$ photoproduction from protons in $p\bar{p}$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2019, 79, 277.	3.9	35
157	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
158	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
159	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable \hat{t}_T . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
160	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
161	Measurement of $t\bar{t}$ production with additional jet activity, including $b\bar{b}$ 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
162	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

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163	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two $\bar{l},$ leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
164	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
165	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
166	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	3.9	34
167	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
168	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
169	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two $\bar{l},$ leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
170	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2019, 79, 702.	3.9	33
171	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
172	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	3.9	33
173	Measurement of $\sigma_{\mathrm{t\bar{t}}}$ 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
174	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
175	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
176	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
177	Measurements of the $\mathrm{Z}Z$ production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
178	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
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
182	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
183	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	31
184	A multi-dimensional search for new heavy resonances decaying to boosted W^+W^- , W^+Z , or W^-Z boson pairs in the dijet final state at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 237.	3.9	31
185	Measurement of the $e^+e^- \rightarrow \tau^+ \tau^- \gamma$ cross section at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 386-396.	4.1	30
186	Design, performance, and calibration of CMS hadron-barrel calorimeter wedges. European Physical Journal C, 2008, 55, 159-171.	3.9	30
187	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
188	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
189	Measurement of the W-boson helicity in top-quark decays from $\overline{\mathrm{t}} \rightarrow W^+ b$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
190	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
191	Search for massive WH resonances decaying into the $u \overline{b}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
192	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
193	The CMS barrel calorimeter response to particle beams from 20 to 350 GeV/c. European Physical Journal C, 2009, 60, 359-373.	3.9	29
194	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2016, 76, 372.	3.9	29
195	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
196	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
197	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
198	Search for lepton flavour violating decays of the Higgs boson to $\tau^+ \tau^-$, and $e^+ \tau^-$, in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29

#	ARTICLE	IF	CITATIONS
199	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1.	4.7	29
200	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
201	J/ψ production in the hadronic decays of the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 341, 109-122.	4.1	28
202	Search for the standard model Higgs boson in Z0 decays. Nuclear Physics B, 1994, 421, 3-37.	2.5	28
203	Observation of short range three-particle correlations in e^+e^- annihilations at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 415-424.	4.1	28
204	Charged particle multiplicity in e^+e^- interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 172-180.	4.1	28
205	Search for the Bc meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 207-222.	4.1	28
206	Measurements of $\overline{\mathrm{t}}\mathrm{t}$ differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
207	Search for $\overline{\mathrm{t}}\mathrm{t}\mathrm{H}$ production in the $\mathrm{H}\rightarrow\overline{\mathrm{b}}\mathrm{b}$ decay channel with leptonic $\overline{\mathrm{t}}\mathrm{t}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
208	Study of Z production in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
209	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
210	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
211	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
212	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
213	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
214	Study of rare b decays with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 207-220.	1.5	26
215	Search for exclusive decays of the Λ_b baryon and measurement of its mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 351-361.	4.1	26
216	Search for resonant $\overline{\mathrm{t}}\mathrm{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26

#	ARTICLE	IF	CITATIONS
217	Search for $W\hat{e}^2 \hat{t}^* tb$ 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
218	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
219	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \text{ext } \{TeV\}$ $s = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	3.9	26
220	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	26
221	A 4 tonne demonstrator for large-scale dual-phase liquid argon time projection chambers. Journal of Instrumentation, 2018, 13, P11003-P11003.	1.2	26
222	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	3.9	25
223	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
224	Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. Nuclear Physics B, 1994, 417, 3-57.	2.5	24
225	Radiation-hardness measurements of high content quartz fibres irradiated with 24GeV protons up to 1.25Grad. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 585, 20-27.	1.6	24
226	Measurement of the $\sigma_{\text{ar}\{\text{t}\}}$ production cross section in the $\bar{l}_\nu + \text{jets}$ channel in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	3.9	24
227	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $s \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
228	Search for third-generation scalar leptoquarks in the $\bar{t}l_\nu$ channel in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
229	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
230	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
231	Measurements of $\sigma_{\text{p}\{\text{p}\} \rightarrow \{\text{Z}\}\{\text{Z}\}}$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{TeV\}$ $s = 13$ TeV. European Physical Journal C, 2021, 81, 200.	3.9	24
232	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7, \text{ext } \{TeV\}$ $s = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
233	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8, \text{ext } \{TeV\}$ $s = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	3.9	23
234	Observation of top quark pairs produced in association with a vector boson in pp collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23

#	ARTICLE	IF	CITATIONS
235	Measurement of the jet mass in highly boosted $\overline{\mathrm{t}}\mathrm{t}$ events from pp collisions at $\sqrt{s}=8\,\mathrm{TeV}$. European Physical Journal C, 2017, 77, 467.	3.9	23
236	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $s = 13\,\mathrm{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
237	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $s = 8\,\mathrm{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
238	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s}=8\,\mathrm{TeV}$. European Physical Journal C, 2017, 77, 354.	3.9	23
239	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8\,\mathrm{TeV}$ and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
240	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	23
241	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $\sqrt{s}=13\,\mathrm{TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	23
242	Search for resonant $\overline{\mathrm{t}}\mathrm{t}$ production in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	23
243	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 $\sqrt{s}=13\,\mathrm{TeV}$. European Physical Journal C, 2020, 80, 752.	3.9	23
244	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
245	Search for physics beyond the standard model in events with $\tilde{\ell}$, leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7\,\mathrm{TeV}$. European Physical Journal C, 2013, 73, 2493.	3.9	22
246	Search for $\mathrm{t}\overline{\mathrm{t}}\tilde{\chi}^0$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $s = 13\,\mathrm{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
247	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $s = 13\,\mathrm{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
248	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13\,\mathrm{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
249	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tilde{\ell}$, leptons and two jets in proton-proton collisions at $s = 13\,\mathrm{TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
250	Search for direct pair production of supersymmetric partners to the $\tilde{\tau}_1$ lepton in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. European Physical Journal C, 2020, 80, 189.	3.9	22
251	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13\,\mathrm{TeV}$. European Physical Journal C, 2020, 80, 370.	3.9	22
252	Kaon interference in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 330-340.	4.1	21

#	ARTICLE	IF	CITATIONS
253	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
254	Search for supersymmetry in events with a \tilde{l} , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
255	Search for beyond the standard model Higgs bosons decaying into a $\mathbf{\overline{b}b}$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
256	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
257	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
258	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
259	Measurements of the $\mathbf{\overline{t}t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
260	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
261	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
262	Search for $\mathbf{\overline{t}tH}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
263	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
264	Search for rare decays of \mathbf{Z} and Higgs bosons to $\mathbf{\overline{\nu}\nu}/\tilde{\nu}$ and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 94.	3.9	20
265	Search for stable heavy charged particles in e^+e^- collisions at , 161 and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 396, 315-326.	4.1	19
266	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
267	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into \tilde{l} , leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
268	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	19
269	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 723.	3.9	19
270	Search for anomalous production of single photons at and 136 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 471-479.	4.1	18

#	ARTICLE	IF	CITATIONS
271	Study of radiative leptonic events with hard photons and search for excited charged leptons at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 480-490.	4.1	18
272	A measurement of $\hat{\Gamma}_S$ from the scaling violation in $e+e^{\sim}$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 194-206.	4.1	18
273	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 460.	3.9	18
274	Measurement of normalized differential $\overline{\sigma}(\text{t})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
275	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
276	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
277	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 20.	3.9	18
278	MUSiC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2021, 81, 629.	3.9	18
279	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2021, 81, 970.	3.9	18
280	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2022, 82, 290.	3.9	18
281	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
282	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
283	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	17
284	Probing color coherence effects in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 2901.	3.9	17
285	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow \bar{A}^+ \bar{A}^0$ and $B \rightarrow \bar{A}^+ \bar{A}^0$ for $\bar{A} = K^0, \pi^0, \eta, \eta'$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	17
286	Dose rate effects in the radiation damage of the plastic scintillators of the CMS hadron endcap calorimeter. Journal of Instrumentation, 2016, 11, T10004-T10004.	1.2	17
287	Search for new physics with the M T2 variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
288	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17

#	ARTICLE	IF	CITATIONS
289	Measurement of electroweak-induced production of $W\ell^3$ 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
290	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
291	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
292	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\mathrm{NN}}}=5.44$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
293	Search for $Z\ell^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
294	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
295	Search for the decay of a Higgs boson in the $h\rightarrow\gamma\gamma$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
296	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
297	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	17
298	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
299	A precise measurement of the tau lepton lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 448-460.	4.1	16
300	Search for the lightest chargino at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 382, 323-336.	4.1	16
301	Measurement of the $\overline{t}t$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
302	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 $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
303	Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16
304	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
305	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16
306	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16

#	ARTICLE	IF	CITATIONS
307	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
308	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
309	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
310	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
311	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.	3.9	16
312	Charged kaon production in tau decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 435-449.	4.1	15
313	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
314	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
315	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
316	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
317	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
318	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
319	Measurement of the $t\bar{t}\gamma$ 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
320	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
321	Search for a singly produced third-generation scalar leptoquark decaying to a \tilde{l} , lepton and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
322	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	3.9	15
323	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
324	A measurement of the B_s^0 meson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 500-508.	4.1	14

#	ARTICLE	IF	CITATIONS
325	Search for neutralinos, scalar leptons and scalar quarks in e^+e^- interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 651-666.	4.1	14
326	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
327	Measurement of the production cross section for $\text{Z}\gamma \rightarrow u\bar{u}\gamma$ in pp collisions at $\sqrt{s} = 7\text{ TeV}$ and limits on $ZZ\text{I}^3$ and $Z\text{I}^3\text{I}^3$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
328	Search for s channel single top quark production in pp collisions at $s = 7\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
329	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or I^3I^3 at $s = 13\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
330	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8\sqrt{s}=8\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
331	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
332	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
333	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
334	Studies of $\text{B}^0 \rightarrow \text{B}^0 \text{I}^3\text{I}^3$ (5840) ⁰ and $\text{B}^0 \rightarrow \text{B}^0 \text{I}^3\text{I}^3$ (5840) ⁰ and $\text{B}^0 \rightarrow \text{B}^0 \text{I}^3\text{I}^3$		

#	ARTICLE	IF	CITATIONS
343	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
344	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. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
345	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
346	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
347	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. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
348	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
349	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
350	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
351	Jet properties in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
352	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
353	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
354	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
355	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
356	First evidence of hard scattering processes in single tagged $\hat{t}\hat{t}^3$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 402-416.	4.1	12
357	Design, performance, and calibration of the CMS hadron-outer calorimeter. European Physical Journal C, 2008, 57, 653-663.	3.9	12
358	CMS Hadronic Endcap Calorimeter Upgrade Studies for SLHC $\sqrt{s}=13$ TeV. IEEE Transactions on Nuclear Science, 2010, 57, 754-759.	2.0	12
359	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
360	Phenomenological MSSM interpretation of CMS searches in pp collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12

#	ARTICLE	IF	CITATIONS
361	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
362	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
363	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
364	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_1^0$ or $\tilde{\chi}_1^\pm$, $\tilde{\chi}_2^0$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
365	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
366	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
367	Development and validation of HERWIG tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
368	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
369	Rapidity correlations in Λ baryon and proton production in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 247-256.	4.1	11
370	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
371	Measurement of the $Z\tilde{\chi}_1^0$ 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
372	Search for electroweak production of charginos in final states with two $\tilde{\ell}$, leptons in pp collisions at $s=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
373	Measurement of the semileptonic $t\bar{t}\tilde{\chi}_1^0$ production cross section in pp collisions at $s=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
374	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
375	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
376	Search for supersymmetry in events with a photon, jets, $\mathcal{B}\bar{\mathcal{B}}$ -jets, and missing transverse momentum in proton-proton collisions at 13 TeV. European Physical Journal C, 2019, 79, 444.	3.9	11
377	Search for nonresonant Higgs boson pair production in the $\mathcal{B}\bar{\mathcal{B}}\mathcal{B}\bar{\mathcal{B}}$ final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
378	Study of the underlying event in top quark pair production in pp collisions at 13 TeV. European Physical Journal C, 2019, 79, 123.	3.9	11

#	ARTICLE	IF	CITATIONS
379	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s}=13$, $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 43.	3.9	11
380	Measurement of the mixing using the average electric charge of hadron-jets in ZO-decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 322, 459-472.	4.1	10
381	Measurement of the mixing parameter in DELPHI. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 332, 488-500.	4.1	10
382	A measurement of the \tilde{l}_τ , leptonic branching fractions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 715-724.	4.1	10
383	Performance of the HPC calorimeter in DELPHI. IEEE Transactions on Nuclear Science, 1995, 42, 491-498.	2.0	10
384	Search for excited leptons in e^+e^- collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 393, 245-260.	4.1	10
385	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76$ $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
386	Measurements of the $pp \rightarrow W^{\pm} Z$ and $pp \rightarrow Z^0 Z^0$ cross sections and limits on anomalous quartic gauge couplings at $s = 8$ $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
387	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13$ $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
388	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
389	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
390	Measurement of the $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \text{e}^+\text{e}^-)$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $\sigma(\text{pp} \rightarrow Z/\gamma^* \rightarrow \text{e}^+\text{e}^-)$. European Physical Journal C, 2018, 78, 708.	3.9	10
391	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u} \rightarrow \text{q}\bar{\text{q}}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
392	Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b} \rightarrow \text{q}\bar{\text{q}}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
393	Evidence for W^+W^- production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
394	Upper limits on the branching ratios $\tilde{l}_\tau, \tilde{l}_\tau \rightarrow \tau \tilde{l}_\tau$ and $\tilde{l}_\tau, \tilde{l}_\tau \rightarrow e \tilde{l}_\tau$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 359, 411-421.	4.1	9
395	Updated precision measurement of the average lifetime of B hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 377, 195-204.	4.1	9
396	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9

#	ARTICLE	IF	CITATIONS
397	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\bar{\nu}_\mu$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
398	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	9
399	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
400	Search for a low-mass \tilde{t}, \tilde{t}^* resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
401	Search for a heavy vector resonance decaying to a $Z\gamma$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 688.	3.9	9
402	Searches for $W\tilde{e}^{\pm}$ 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
403	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
404	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\gamma, 2q$ final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
405	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	8
406	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 773.	3.9	8
407	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
408	Search for exclusive charmless B meson decays with the DELPHI detector at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 255-266.	4.1	7
409	Quartz plate calorimeter as SLHC upgrade to CMS hadronic endcap calorimeters. Journal of Physics: Conference Series, 2009, 160, 012015.	0.4	7
410	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
411	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
412	Search for high-mass $Z\tilde{\nu}$ resonances in $e^+e^- \rightarrow \tilde{\nu}\bar{\nu}$ and $\tilde{\nu}\bar{\nu} + \tilde{\nu}\bar{\nu}$ final states in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
413	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s}=13$ TeV via Higgs boson decays to \tilde{t}, \tilde{t}^* leptons. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
414	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s}=5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	3.9	7

#	ARTICLE	IF	CITATIONS
415	First measurement of $f_2(1525)$ production in Z^0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 309-318.	4.1	6
416	Comparison of the $Z/\tilde{f}^0 \rightarrow + \text{jets}$ to $\tilde{f}^3 + \text{jets}$ cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	6
417	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 302.	3.9	6
418	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
419	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
420	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
421	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2019, 79, 969.	3.9	6
422	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
423	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
424	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
425	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
426	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
427	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	5
428	Measurement of the inclusive $\text{t}\overline{\text{t}}$ cross section in pp collisions at $\sqrt{s} = 5.02 \text{ TeV}$ using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
429	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
430	Search for a $W\tilde{e}^2$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
431	Search for the pair production of light top squarks in the $e\tilde{t}^{\pm 1/4}$ final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
432	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	3.9	5

#	ARTICLE	IF	CITATIONS
433	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
434	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
435	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
436	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
437	Search for dark matter particles in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
438	Search for CP violation in $t \bar{t} \rightarrow \text{toverline{t}}$ production and decay in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
439	Measurement of differential cross sections in the kinematic angular variable $\check{\bullet}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
440	Search for ZZ resonances in the $2\hat{a}, "2\hat{1}\frac{1}{2}$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
441	Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
442	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13, \text{ext} \{ \text{TeV} \}$ $s = 13$ TeV. European Physical Journal C, 2019, 79, 305.	3.9	4
443	Electroweak stability and discovery luminosities for new physics. European Physical Journal C, 2020, 80, 1.	3.9	4
444	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
445	Search for high mass $\hat{1}^3\hat{1}^3$ resonances in $e^+ + e^- \rightarrow \text{ell}^+ + \text{ell}^- + \gamma \gamma$, $\$u \text{ ar } u \gamma \gamma$ and $\$q \text{ ar } q \gamma \gamma$ at LEP at LEP I. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 179-190.	1.5	3
446	Study of hadronic event-shape variables in multijet final states in pp collisions at $s = 7 \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	3
447	Search for $W\hat{e}^2 \hat{a}^+ t b$ in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
448	Search for top quark partners with charge 5/3 in proton-proton collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
449	Inclusive search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
450	Search for excited leptons in $\hat{a}, " \hat{a}, " \hat{1}^3$ final states in proton-proton collisions at $\sqrt{\text{mathrm{s}}}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3

#	ARTICLE	IF	CITATIONS
451	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
452	Measurement of the $(\overline{t}t)$ production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
453	Measurement of the B^0_d oscillation frequency using kaons, leptons and jet charge. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 17-30.	1.5	3
454	Measurements of the $(p\overline{p} \rightarrow Z\gamma)$ production cross section and the $(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{TeV})$. , 2018, 78, 1.		3
455	RADIATION-HARDNESS STUDIES OF HIGH OH ⁺ CONTENT QUARTZ FIBRES IRRADIATED WITH 24 GEV PROTONS. , 2006, , .		3
456	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
457	Measurements of angular distance and momentum ratio distributions in three-jet and $\{Z\}$ + two-jet final states in $\{p\}\{p\}$ collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
458	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $(\sqrt{s}=8)$ TeV. , 2013, 2013, 1.		2
459	Mean lifetime of the B_s^0 meson. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 11-30.	1.5	2
460	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
461	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
462	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
463	Performance of an artificially aged module of the DELPHI HPC calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 499-505.	1.6	1
464	An upper limit for $\text{Br}(Z^0 \rightarrow ggg)$ from symmetric 3-jet Z^0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 389, 405-415.	4.1	1
465	Effects of supersymmetric CP phases on chargino-pair production via the Drell-Yan process at the CERN LHC. Physical Review D, 2004, 69, .	4.7	1
466	THE EFFECT OF SUPERSYMMETRIC CP PHASES ON $q\bar{q}$ ANNIHILATIONS INTO CHARGINOS AND NEUTRALINOS. Modern Physics Letters A, 2004, 19, 1297-1314.	1.2	1
467	P-Terphenyl deposited quartz plate calorimeter prototype. , 2008, , .		1
468	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

#	ARTICLE	IF	CITATIONS
469	Brightness and uniformity measurements of plastic scintillator tiles at the CERN H2 test beam. Journal of Instrumentation, 2018, 13, P01002-P01002.	1.2	1
470	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
471	Observation of $B^0 \rightarrow \psi(2S) K^0_{\text{S}} \text{uppi}^+ \text{uppi}^-$ and $B^0_{\text{S}} \rightarrow \psi(2S) K^0_{\text{S}} \text{uppi}^+ \text{uppi}^-$ decays. European Physical Journal C, 2022, 82, .	3.9	1
472	CMS HCAL installation and commissioning. Journal of Physics: Conference Series, 2009, 160, 012055.	0.4	0
473	Radioactive source calibration test of the CMS Hadron Endcap Calorimeter test wedge with Phase I upgrade electronics. Journal of Instrumentation, 2017, 12, P12034-P12034.	1.2	0
474	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