

# Arun Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4875782/publications.pdf>

Version: 2024-02-01

399  
papers

15,750  
citations

18436

62  
h-index

32761

100  
g-index

402  
all docs

402  
docs citations

402  
times ranked

9144  
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 TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
2	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
3	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
4	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
5	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
6	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
7	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.	1.4	241
8	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
9	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.	1.4	191
10	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.	1.4	179
11			

#	ARTICLE	IF	CITATIONS
19	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l}, \tilde{l}^*$ leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
20	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
21	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.	1.6	103
22	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.	1.6	101
23	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.	1.6	100
24	Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	1.4	98
25	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.	1.6	95
26	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.	1.6	95
27	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.	1.6	92
28	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.	1.4	88
29	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
30	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
31	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
32	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.	1.4	85
33	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
34	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.	1.4	83
35	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s_{NN}} = 5.02$ TeV PbPb collisions. European Physical Journal C, 2018, 78, 509.	1.4	83
36	Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82

#	ARTICLE	IF	CITATIONS
37	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.	1.6	82
38	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81
39	Search for a charged Higgs boson in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
40	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
41	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.	1.4	78
42	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
43	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
44	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75
45	Measurement of the $W^+W^-$ cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	1.4	74
46	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
47	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	1.4	73
48	Search for additional neutral MSSM Higgs bosons in the $\bar{t}t$ , final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
49	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.	1.6	70
50	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.	1.4	70
51	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.	1.6	69
52	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.	1.6	69
53	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.	1.4	68
54	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.	1.6	68

#	ARTICLE	IF	CITATIONS
55	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.4	68
56	Measurement of the $\overline{\text{t}}\text{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	1.4	68
57	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	66
58	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
59	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
60	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
61	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\tilde{W}^3$ and $WWZ$ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
62	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 13.	1.4	62
63	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.	1.6	62
64	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
65	Measurement of prompt $J/\psi$ pair production in pp collisions at $s = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	61
66	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.	1.4	60
67	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
68	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	1.4	58
69	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in $p p$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 701.	1.4	58
70			

#	ARTICLE	IF	CITATIONS
73	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
74	Event activity dependence of $\Upsilon$ (nS) production in $\sqrt{s_{NN}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
75	Measurement of masses in the $\overline{t}t$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
76	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	55
77	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
78	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	1.4	54
79	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $s = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
80	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
81	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.	1.6	54
82	Measurement of prompt and nonprompt $J/\psi$ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
83	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
84	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
85	Measurements of the $pp \rightarrow ZZ$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	1.4	52
86	Search for exclusive or semi-exclusive $\tau^3$ 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.	1.6	51
87	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
88	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
89	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.	1.4	50
90	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49

#	ARTICLE	IF	CITATIONS
91	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	48
92	Observation of $Y(1S)$ pair production in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
93	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13, \sqrt{s} = 13$ Te. European Physical Journal C, 2019, 79, 364.	1.4	48
94	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
95	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	46
96	Search for disappearing tracks in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	46
97	Search for third-generation scalar leptoquarks decaying to a top quark and a $\tau, \mu, e$ lepton at $\sqrt{s} = 13, \sqrt{s} = 13$ Te. European Physical Journal C, 2018, 78, 707.	1.4	46
98	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
99	Search for a light charged Higgs boson decaying to $c \bar{s}$ in pp collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
100	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8, \sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	1.4	44
101	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13, \sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	1.4	44
102	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8, \sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	1.4	43
103	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
104	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8, \sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	1.4	43
105	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.	1.6	43
106	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.	1.4	42
107	Evidence for exclusive $t \bar{t} W + W \bar{\nu}_\tau$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7 \sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	42
108	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.	1.6	42

#	ARTICLE	IF	CITATIONS
109	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
110	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s} = 7 \sqrt{s}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
111	Measurement of the $t \bar{t} \hat{A}^0$ production cross section in the $e \bar{e} \gamma$ channel in proton-proton collisions at $s = 7 \sqrt{s} = 7 \sqrt{s}$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
112	Measurement of the $\overline{\text{mathrm{t}}}\text{t} \hat{A}^0$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8 \sqrt{s} = 8 \sqrt{s}$ , ext {TeV} TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
113	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 $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
114	Measurement of properties of $\text{B}_{\text{s}}^0 \rightarrow \text{B}_{\text{s}}^0 \gamma \gamma$ decays and search for $\text{B}_{\text{s}}^0 \rightarrow \text{B}_{\text{s}}^0 \gamma \gamma$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.8	41
115	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
116	Measurement of the $\overline{\text{mathrm{t}}}\text{t} \hat{A}^0$ production cross section using events in the $e \bar{e} \gamma$ final state in pp collisions at $\sqrt{s} = 13 \sqrt{s}$ , ext {TeV} TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
117	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13 \sqrt{s}$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	1.4	40
118	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13 \sqrt{s}$ , ext {TeV} TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40
119	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	40
120	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.	1.6	39
121	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma, 2\gamma, \gamma\gamma$ final states in pp collisions at $\sqrt{s} = 7 \sqrt{s}$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
122	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $s = 7 \sqrt{s} = 7 \sqrt{s}$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
123	Measurement of differential cross sections for $\text{Z} + \text{Z}$ boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13 \sqrt{s}$ , ext {TeV} TeV. European Physical Journal C, 2018, 78, 965.	1.4	39
124	Measurement of the top-quark mass in $\overline{\text{mathrm{t}}}\text{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s} = 7 \sqrt{s}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	38
125	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13 \sqrt{s}$ , ext {TeV} TeV. European Physical Journal C, 2017, 77, 845.	1.4	38
126	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13 \sqrt{s} = 13 \sqrt{s}$ , ext {TeV} TeV. European Physical Journal C, 2017, 77, 636.	1.4	38



#	ARTICLE	IF	CITATIONS
127	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\bar{l}, l$ , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
128	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.	1.6	37
129	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.	1.4	37
130	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.	1.6	37
131	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	37
132	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\gamma\gamma$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
133	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35
134	Search for heavy Majorana neutrinos in $e^{\pm}\mu^{\pm}$ jets and $e^{\pm}\mu^{\pm}$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
135	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.	1.6	35
136	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.	1.6	35
137	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.	1.4	35
138	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
139	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or $\geq 3$ b-quark jets in 7 TeV pp collisions using the variable $\hat{E}_T$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	34
140	Searches for supersymmetry using the M T2 variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	34
141	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 379.	1.4	34
142	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.	1.4	34
143	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two $\bar{l}, l$ , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
144	Measurement of the top quark mass with lepton+jets final states using $p\bar{p}$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 891.	1.4	34

#	ARTICLE	IF	CITATIONS
145	Search for a heavy right-handed $W$ boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	34
146	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. <i>European Physical Journal C</i> , 2019, 79, 90.	1.4	34
147	Search for new physics in events with same-sign dileptons and $b$ jets in $pp$ collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	33
148	Search for heavy resonances decaying to two Higgs bosons in final states containing four $b$ quarks. <i>European Physical Journal C</i> , 2016, 76, 371.	1.4	33
149	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two $\tilde{l}$ , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	33
150	Measurement of exclusive $\rho^0$ photoproduction in ultraperipheral $pPb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2019, 79, 702.	1.4	33
151	Measurement of $t$ -channel 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. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	33
152	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	32
153	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2674.	1.4	32
154	Measurements of the $Z$ production cross sections in the $2u$ channel in proton-proton collisions at $\sqrt{s} = 7$ and $8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 511.	1.4	32
155	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV $pp$ collisions. <i>European Physical Journal C</i> , 2017, 77, 327.	1.4	32
156	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	31
157	Measurement of electroweak production of two jets in association with a $Z$ boson in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 66.	1.4	31
158	Measurement of transverse momentum relative to dijet systems in $PbPb$ and $pp$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	31
159	Search for top squark pair production in $pp$ collisions at $\sqrt{s} = 13$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
160	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	31
161	A multi-dimensional search for new heavy resonances decaying to boosted $W$ , $Z$ , or $Z$ boson pairs in the dijet final state at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 237.	1.4	31
162	Measurement of the $W$ -boson helicity in top-quark decays from $t$ production in lepton+jets events in $pp$ collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	30

#	ARTICLE	IF	CITATIONS
163	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
164	Search for massive WH resonances decaying into the $u \overline{b}$ and $b \overline{u}$ final state at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2016, 76, 237.	1.4	30
165	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2017, 77, 751.	1.4	30
166	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$ . European Physical Journal C, 2016, 76, 372.	1.4	29
167	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
168	A search for new phenomena in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ in final states with missing transverse momentum and at least one jet using the $\alpha_T$ variable. European Physical Journal C, 2017, 77, 294.	1.4	29
169	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
170	Search for lepton flavour violating decays of the Higgs boson to $\tau \mu$ , and $e \tau$ , in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
171	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.	1.6	29
172	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2019, 79, 280.	1.4	29
173	Measurements of $\overline{t}t$ differential cross sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
174	Search for $\overline{t}tH$ production in the $H \rightarrow b \overline{b}$ decay channel with leptonic $\overline{t}t$ decays in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
175	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
176	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
177	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	27
178	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 $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	27
179	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2018, 78, 291.	1.4	27
180	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27

#	ARTICLE	IF	CITATIONS
181	Search for new neutral Higgs bosons through the $\mathcal{H} \rightarrow \mathcal{Z} \mathcal{A} \rightarrow \ell \ell \gamma \gamma \mathcal{B}$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
182	Search for resonant $\mathcal{T} \rightarrow \mathcal{B} \mathcal{B}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
183	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.	1.6	26
184	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.	1.6	26
185	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \text{ext } \{ \text{TeV} \}$ $s = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26
186	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.	1.6	26
187	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	26
188	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8, \text{ext } s = 8 \sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	1.4	25
189	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
190	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
191	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
192	Measurement of the $\mathcal{T} \rightarrow \mathcal{B} \mathcal{B}$ production cross section in the $\ell, + \text{jets}$ channel in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	24
193	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.	1.6	24
194	Search for third-generation scalar leptoquarks in the $\ell \bar{\nu}_\ell$ channel in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
195	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
196	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
197	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ $s = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23
198	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.	1.6	23

#	ARTICLE	IF	CITATIONS
199	Measurement of the jet mass in highly boosted $\overline{\text{t}}$ events from pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 467.	1.4	23
200	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
201	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
202	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 354.	1.4	23
203	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.	1.4	23
204	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
205	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
206	Search for resonant $\overline{\text{t}}$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
207	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.	1.6	23
208	Search for physics beyond the standard model in events with $\tilde{l}$ , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2493.	1.4	22
209	Search for $t \overline{t} \tilde{A}^-$ 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.	1.6	22
210	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.	1.6	22
211	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.	1.6	22
212	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tilde{l}$ , leptons and two jets in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
213	Search for direct pair production of supersymmetric partners to the $\tau_1^{\pm}$ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
214	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.	1.4	22
215	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.	1.6	21
216	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.	1.6	21

#	ARTICLE	IF	CITATIONS
217	Search for beyond the standard model Higgs bosons decaying into a $\overline{b}b$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
218	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	1.3	21
219	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.	1.6	21
220	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
221	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.	1.4	20
222	Measurements of the $\overline{t}t$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
223	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.	1.6	20
224	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
225	Search for $\overline{t}t\mathrm{H}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
226	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.	1.6	20
227	Search for rare decays of $Z$ and Higgs bosons to $J/\psi$ and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 94.	1.4	20
228	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
229	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
230	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
231	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.	1.6	19
232	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{l}^*$ , leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
233	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
234	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.	1.4	18

#	ARTICLE	IF	CITATIONS
235	Measurement of normalized differential $\overline{\sigma}(\mathbf{t})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
236	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
237	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.	1.6	18
238	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 20.	1.4	18
239	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
240	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
241	Measurement of the $\Lambda_b^0$ lifetime in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
242	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
243	Probing color coherence effects in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2901.	1.4	17
244	Measurement of the ratio of the production cross sections times branching fractions of $B_c^{\pm}$ and $B_{\tau}^{\pm}$ and $B_{\tau}^{\pm}$ and $B_c^{\pm}$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2015, 1.	1.6	17
245	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
246	Search for new physics with the $M_{T2}$ variable in all-jets final states produced in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
247	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
248	Measurement of electroweak-induced production of $W^{\pm 3}$ with two jets in pp collisions at $\sqrt{s}=8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
249	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
250	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
251	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{NN}}=5.44$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
252	Search for $Z^{\pm 3}$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17

#	ARTICLE	IF	CITATIONS
253	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.	1.6	17
254	Search for the decay of a Higgs boson in the $\gamma\gamma$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
255	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.	1.4	17
256	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.	1.4	17
257	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.	1.6	17
258	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.	1.6	16
259	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.	1.6	16
260	Measurement of jet multiplicity distributions in $\overline{t}t$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 3014.	1.4	16
261	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.	1.4	16
262	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	1.4	16
263	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
264	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.	1.6	16
265	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.	1.4	16
266	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 287.	1.4	16
267	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.	1.6	16
268	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
269	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.	1.6	15
270	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15



#	ARTICLE	IF	CITATIONS
271	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
272	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
273	Measurement of the $t \bar{t} \hat{A}$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
274	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
275	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.	1.6	15
276	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	1.4	15
277	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.	1.6	15
278	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tilde{l}^{\pm} \tilde{l}^{\mp}$ , and $e \tilde{l}$ , in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
279	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
280	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.	1.6	14
281	Measurement of the production cross section for $Z \gamma \rightarrow u \bar{u} \gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on $ZZ\gamma^3$ and $Z\gamma^3$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
282	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.	1.6	14
283	Search for supersymmetry in pp collisions at $s = 13 \sqrt{s}=13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
284	Search for associated production of dark matter with a Higgs boson decaying to $b \bar{b} \hat{A}$ or $\tilde{l}^{\pm} \tilde{l}^{\mp}$ at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
285	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
286	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
287	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
288	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------

289	Studies of $\{\mathrm{B}\}^{\ast}_{\{\mathrm{s}\}2}(5840)^0 \mathrm{B} s 2 \hat{a} - (5840) 0$ and $\{\mathrm{B}\}$		
-----	---	--	--

#	ARTICLE	IF	CITATIONS
307	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.	1.6	13
308	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
309	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.	1.6	12
310	Phenomenological MSSM interpretation of CMS searches in pp collisions at $s = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	12
311	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
312	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
313	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
314	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.	1.6	12
315	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	12
316	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
317	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 893.	1.4	12
318	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.	1.6	11
319	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.	1.6	11
320	Search for electroweak production of charginos in final states with two $\tilde{\chi}_1^\pm$ , leptons in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
321	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.	1.6	11
322	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s = 8$ TeV using $H\rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
323	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
324	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11

#	ARTICLE	IF	CITATIONS
325	Search for supersymmetry in events with a photon, jets, $\mathbf{b}$ -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 444.	1.4	11
326	Search for nonresonant Higgs boson pair production in the $\mathbf{b}\overline{\mathbf{b}}\mathbf{b}\overline{\mathbf{b}}$ final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
327	Study of the underlying event in top quark pair production in $\mathbf{p}\mathbf{p}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.	1.4	11
328	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
329	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
330	Measurement of electroweak production of a $\mathbf{W}$ boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 43.	1.4	11
331	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.	1.6	10
332	Measurements of the $\mathbf{pp} \rightarrow \mathbf{W}^{\pm} \mathbf{Z}^{\pm} \mathbf{Z}^{\pm}$ and $\mathbf{pp} \rightarrow \mathbf{Z}^{\pm} \mathbf{Z}^{\pm} \mathbf{Z}^{\pm}$ cross sections and limits on anomalous quartic gauge couplings at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
333	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.	1.6	10
334	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
335	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.	1.4	10
336	Measurement of the $\mathbf{Z}/\gamma^* \rightarrow \mathbf{u}\mathbf{u}$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $\mathbf{Z} \rightarrow \mathbf{b}\overline{\mathbf{b}}$ cross section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 708.	1.4	10
337	Search for a heavy resonance decaying into a Z boson and a vector boson in the $\mathbf{u}\overline{\mathbf{u}}\mathbf{q}\overline{\mathbf{q}}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
338	Search for resonances decaying to a pair of Higgs bosons in the $\mathbf{b}\overline{\mathbf{b}}\mathbf{q}\overline{\mathbf{q}}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
339	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
340	Evidence for $\mathbf{W}^{\pm}\mathbf{W}^{\pm}$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
341	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.	1.6	9
342	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $\mathbf{e}\overline{\mathbf{e}}\mathbf{q}\overline{\mathbf{q}}$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9

#	ARTICLE	IF	CITATIONS
343	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
344	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.	1.6	9
345	Searches for $W\tilde{e}^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
346	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
347	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2\gamma, 2q$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
348	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.	1.6	8
349	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $pp$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 773.	1.4	8
350	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
351	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
352	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.	1.6	7
353	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	7
354	Search for high-mass $Z\tilde{t}^3$ resonances in $e^+e^-\tilde{t}^3$ and $\tilde{t}^3 + \tilde{t}^3$ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
355	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 $\tilde{l},$ leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
356	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
357	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
358	Comparison of the $Z\tilde{t}^3 +$ jets to $\tilde{t}^3 +$ jets cross sections in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
359	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.	1.4	6
360	Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	6

#	ARTICLE	IF	CITATIONS
361	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.	1.6	6
362	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.	1.6	6
363	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in $pp$ collisions at $\sqrt{s} = 8, \text{ext \{TeV\}}$ . European Physical Journal C, 2019, 79, 969.	1.4	6
364	Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive $W\hat{\Delta}^\pm$ and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and $8 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
365	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
366	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.	1.6	5
367	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.	1.6	5
368	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.	1.6	5
369	Measurement of the inclusive $\overline{\text{t}} \text{t}$ cross section in $pp$ collisions at $\sqrt{s} = 5.02 \text{ TeV}$ using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
370	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.	1.6	5
371	Search for a $W\hat{\Delta}^2$ 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.	1.6	5
372	Search for the pair production of light top squarks in the $e\hat{\Delta}^\pm \gamma \hat{\Delta}^\pm$ final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
373	Measurement of the cross section for $\overline{\text{t}} \text{t}$ production with additional jets and b jets in $pp$ collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	5
374	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8, \text{ext \{TeV\}}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
375	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	1.6	4
376	Search for dark matter particles in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
377	Search for CP violation in $t \overline{\text{t}} \hat{\Delta}^\pm$ production and decay in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
378	Measurement of differential cross sections in the kinematic angular variable $\hat{\Delta}^*$ for inclusive Z boson production in $pp$ collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	4

#	ARTICLE	IF	CITATIONS
379	Search for ZZ resonances in the $2\hat{a}, 2\hat{1}/2$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
380	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.	1.6	4
381	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 305.	1.4	4
382	The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
383	Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
384	Study of hadronic event-shape variables in multijet final states in pp collisions at $s = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	3
385	Search for $W\hat{a}^2 \hat{a}^{\dagger} t b$ in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	3
386	Search for top quark partners with charge $5/3$ in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
387	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.	1.6	3
388	Search for excited leptons in $\hat{a}, \hat{a}, \hat{1}^3$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
389	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3
390	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
391	Study of the $\mathcal{B}(\overline{B}^0 \rightarrow \overline{\Lambda}^0 p)$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
392	Measurements of the $(pp \rightarrow ZZ)$ production cross section and the $(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{ext } \{TeV\})$ . , 2018, 78, 1.		3
393	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	2
394	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
395	Measurement of the top quark pair production cross section in dilepton final states containing one $\hat{1}$ , lepton in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
396	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

#	ARTICLE	IF	CITATIONS
397	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	1
398	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	1
399	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2018, 2018, 1.	1.6	0