

# Jingzhou Zhao

## List of Publications by Year in descending order

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458  
papers

12,708  
citations

30047

54  
h-index

53190

85  
g-index

471  
all docs

471  
docs citations

471  
times ranked

9749  
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for $X(3872)$ in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2022, 128, 032001.	2.9	23
2	Measurement of double-parton scattering in inclusive production of four jets with low transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
3	Study of quark and gluon jet substructure in Z+jet and dijet events from pp collisions. Journal of High Energy Physics, 2022, 2022, 1.	1.6	8
4	Search for $W\tilde{\chi}^0_1$ resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV using hadronic decays of Lorentz-boosted W bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 826, 136888.	1.5	1
5	Search for $W\tilde{\chi}^0_1$ resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV using hadronic decays of Lorentz-boosted W bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 826, 136888.	2.9	9
6	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
7	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
8	Joint Determination of Reactor Antineutrino Spectra from $\bar{\nu}_e$ and $\bar{\nu}_\mu$ in Daya Bay. Physical Review Letters, 2022, 128, 032001.	2.9	12
9	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
10	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	1.4	14
11	Search for long-lived particles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	3
12	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.	1.6	1
13	Operational experience of the Belle II pixel detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, , 166631.	0.7	1
14	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. Physical Review Letters, 2022, 128, 122301.	2.9	11
15	Differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	4
16	A new calibration method for charm jet identification validated with proton-proton collision events at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2022, 17, P03014.	0.5	6
17	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 213.	1.4	3
18	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.	1.4	18

#	ARTICLE	IF	CITATIONS
19	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
20	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	1.6	5
21	Search for a right-handed $W$ boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	12
22	Search for a heavy resonance decaying into a top quark and a $W$ boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
23	Search for heavy resonances decaying to $ZZ$ or $ZW$ and axion-like particles mediating nonresonant $ZZ$ or $ZH$ production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
24	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
25	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
26	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.	1.6	2
27	Precision measurement of the $W$ boson decay branching fractions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	5
28	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	2
29	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	4
30	Search for single production of a vector-like $T$ quark decaying to a top quark and a $Z$ boson in the final state with jets and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	5
31	Search for invisible decays of the Higgs boson produced via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	30
32	Measurement of the inclusive and differential $\overline{t}t$ cross sections in the dilepton channel and effective field theory interpretation in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	2
33	Observation of $B^0 \rightarrow \mu^+ \mu^- (2S) K^0_{\text{short}}$ and $B^0 \rightarrow \mu^+ \mu^- (2S) K^0_{\text{long}}$ decays. European Physical Journal C, 2022, 82.	1.4	1
34	Measurement of the production cross section for $Zb\bar{b}$ jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Inclusive Physics, 2022, .	1.6	2
35	Inclusive probes of new phenomena at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	14
36	First Search for Exclusive Diphoton Production at High Mass with Tagged Protons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .	2.9	7

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37	Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2022, 128, 121801.	2.9	10
38	Identification of hadronic tau lepton decays using a deep neural network. <i>Journal of Instrumentation</i> , 2022, 17, P07023.	0.5	12
39	Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 832, 137263.	1.5	0
40	Search for the lepton flavor violating decay $\tilde{l}_i \rightarrow \tilde{l}_j \gamma$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	3
41	Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 813, 136018.	1.5	20
42	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 13.	1.4	33
43	Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	54
44	Search for top squark pair production using dilepton final states in collision data collected at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 3.	1.4	33
45	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 813, 136036.	1.5	13
46	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	14
47	Measurements of $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 200.	1.4	24
48	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	15
49	Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	26
50	Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV using effective field theory. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	12
51	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	5
52	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	28
53	The potential of $\Lambda$ and $\chi$ studies with PANDA at FAIR. <i>European Physical Journal A</i> , 2021, 57, 1.	1.0	5

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55	Development and validation of HERWIG <sup>7</sup> tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
56	Research and development of the back-end electronics for the two-dimensional improved resistive plate chambers in CMS upgrade. Radiation Detection Technology and Methods, 2021, 5, 181-191.	0.4	1
57	Study of excited $\Xi$ baryons with the ANDA detector. European Physical Journal A, 2021, 57, 1.	1.0	2
58	Angular analysis of the decay $B \rightarrow \pi^+ K^0_{S^*}(892) \rightarrow \pi^+ \pi^+ \pi^- \pi^0$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
59	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 378.	1.4	40
60	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014.	0.5	62
61	Ultrahigh-energy photons up to 1.4 petaelectronvolts from 12 $\hat{\Gamma}^3$ -ray Galactic sources. Nature, 2021, 594, 33-36.	13.7	262
62	Measurement of b jet shapes in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
63	First measurement of large area jet transverse momentum spectra in heavy-ion collisions. Journal of High Energy Physics, 2021, 2021, 1.	1.6	11
64	Study of Drell-Yan dimuon production in proton-lead collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
65	Measurements of the differential cross sections of the production of Z + jets and $\hat{\Gamma}^3$ + jets and of Z boson emission collinear with a jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.5	12
66	Measurements of the differential cross sections of the production of Z + jets and $\hat{\Gamma}^3$ + jets and of Z boson emission collinear with a jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
67	In-medium modification of dijets in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
68	Measurement of the Z boson differential production cross section using its invisible decay mode ( $Z \rightarrow \nu\bar{\nu}$ ) in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
69	PANDA Phase One. European Physical Journal A, 2021, 57, 1.	1.0	38
70	Extended Very-High-Energy Gamma-Ray Emission Surrounding PSR J0622+3749 Observed by LHAASO-KM2A. Physical Review Letters, 2021, 126, 241103.	2.9	73
71	Operational Experience and Performance of the Belle II Pixel Detector. , 2021, , .		0
72	Measurement of the $W^{\pm}$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002.	2.9	13



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91	Search for $W\tilde{C}^{\pm}$ bosons decaying to a top and a bottom quark at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2021, 820, 136535.	1.5	9
92	First measurement of the cross section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2021, 820, 136535.	1.5	5
93	Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state. Physical Review D, 2021, 104, .	1.6	16
94	Measurements of angular distance and momentum ratio distributions in three-jet and $Z$ + two-jet final states in $pp$ collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
95	Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2021, 127, 122001.	2.9	16
96	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 8$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
97	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.6	20
98	Feasibility studies for the measurement of time-like proton electromagnetic form factors from $p \rightarrow \mu^+ \mu^-$ at $\sqrt{s} = 1.06$ GeV at FAIR. European Physical Journal A, 2021, 57, 1.	1.0	7
99	Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb <sup>-1</sup> of proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
100	Measurement of the electroweak production of $Z\tilde{\chi}_1^0$ and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.6	13
101	Measurements of the $pp \rightarrow W\tilde{A}^{\pm}\tilde{\chi}_1^0$ and $pp \rightarrow Z\tilde{\chi}_1^0$ cross sections at $\sqrt{s} = 13$ TeV and limits on anomalous quartic gauge couplings. Journal of High Energy Physics, 2021, 2021, 1.	1.6	7
102	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV Using Leptonic Decays. Physical Review Letters, 2021, 127, 191801.	2.9	6
103	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 970.	1.4	18
104	Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $\tilde{t}, \tilde{t}^*, b\bar{b}$ final state at 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	11
105	Line-of-shower trigger method to lower energy threshold for GRB detection using LHAASO-WCDA. Radiation Detection Technology and Methods, 2021, 5, 531.	0.4	1
106	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	36
107	Measurement of the cross section for top quark pair production with additional charm jets using dileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2021, 820, 136535.	1.6	16
108	Observation of $tW$ production in the single-lepton channel in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2

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109	Measurement of prompt open-charm production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
110	Measurement of the inclusive and differential $t\bar{t}$ cross sections in the single-lepton channel and EFT interpretation at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
111	Measurement of the top quark mass using events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
112	Probing effective field theory operators in the associated production of top quarks with a Z boson in multilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	8
113	Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804.	2.9	17
114	Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
115	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804.	2.9	20
116	Measurements of production cross sections of WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804.	1.5	37
117	The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
118	Investigation into the event-activity dependence of $\tilde{\chi}^0(nS)$ relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
119	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
120	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
121	Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
122	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
123	Measurement of properties of $B_s^0 \rightarrow \mu^+ \mu^-$ decays and search for $B \rightarrow \mu^+ \mu^-$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
124	Search for a light pseudoscalar Higgs boson in the boosted $t\bar{t}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	23
125	Production and the structure of the Yukawa interaction. Journal of High Energy Physics, 2020, 2020, 1.	2.9	38
126	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27

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127	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
128	Measurement of the cross section for $\overline{t}t$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	5
129	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
130	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
131	A DAQ Upgrade Solution for Belle II Experiment. IEEE Transactions on Nuclear Science, 2020, 67, 1904-1911.	1.2	3
132	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
133	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in $pp$ Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	2.9	13
134	Observation of the $B \rightarrow Xs\gamma$ decay with $B$ meson reconstruction in $pp$ collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	2.9	14
135	Study of central exclusive $\pi^0$ production in proton-proton collisions at $\sqrt{s} = 5.02$ TeV and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
136	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752.	1.4	23
137	Measurement of the $B \rightarrow Xs\gamma$ decay with $B$ meson reconstruction in $pp$ collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001.	2.9	9
138	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
139	Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.	0.5	47
140	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
141	Search for decays of the 125 GeV Higgs boson into a Z boson and a $\tilde{\nu}\nu$ meson. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
142	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7
143	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
144	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

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145	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. Journal of Instrumentation, 2020, 15, P06005-P06005.	0.5	56
146	Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
147	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
148	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
149	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.5	40
150	Search for new neutral Higgs bosons through the $H \rightarrow Z\gamma$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
151	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. European Physical Journal C, 2020, 80, 534.	1.4	14
152	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
153	Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive $W\Delta$ and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
154	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
155	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	1
156	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803.	2.9	6
157	Evidence for $W$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
158	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
159	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
160	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
161	Search for polarizations in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 121801.	1.6	15
162	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tau\mu$ and $e\tau$ , in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15

#	ARTICLE	IF	CITATIONS
163	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
164	Search for a Narrow Resonance Lighter than $200\text{ GeV}$ Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13\text{ TeV}$ . Physical Review Letters, 2020, 124, 131802.	2.9	61
165	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
166	A measurement of the Higgs boson mass in the diphoton decay channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135425.	1.5	63
167	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
168	Ultrafast Control of Excitonic Rashba Fine Structure by Phonon Coherence in the Metal Halide Perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ . Physical Review Letters, 2020, 124, 157401.	2.9	32
169	Measurement of the top quark pair production cross section in dilepton final states containing one $\bar{l}$ , lepton in pp collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
170	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	26
171	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
172	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
173	Observation of the $\tau \rightarrow \mu \nu_\tau \nu_\mu$ decay in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135203.	1.5	6
174	Reflectance of Silicon Photomultipliers at Vacuum Ultraviolet Wavelengths. IEEE Transactions on Nuclear Science, 2020, 67, 2501-2510.	1.2	8
175	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8, 13, 14\text{ TeV}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
176	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . European Physical Journal C, 2020, 80, 370.	1.4	22
177	Measurement of normalised multi-differential cross sections in pp collisions at $\sqrt{s} = 13, 14\text{ TeV}$ , and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
178	The Performance of Belle II High Level Trigger in the First Physics Run. EPJ Web of Conferences, 2020, 245, 01040.	0.1	0
179	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two $\bar{l}$ , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13\text{ TeV}$ . Journal of High Energy Physics, 2019, 2019, 1.	1.6	33
180	Search for a $W\text{-like}$ 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

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182	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
183	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
184	Search for excited leptons in $\tilde{\nu}_\tau, \tilde{\nu}_\tau^*$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
185	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
186	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	20
187	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
188	Studying the Mass Composition of Cosmic Rays with Energies of $10^{15}$ – $10^{17}$ eV in the PRISMA Project. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 632-634.	0.1	3
189	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
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191	Response of the PRISMA-YBJ Detectors to Earthquakes. Bulletin of the Russian Academy of Sciences: Physics, 2019, 83, 607-610.	0.1	3
192	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876.	1.5	26
193	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134952.	1.5	17
194	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
195	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
196	Search for a Light Charged Higgs Boson Decaying to a $W$ Boson and a $C$ Boson in Final States with $D$ Mesons in Pb-Pb Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 123, 022001.	2.9	21
197	Search for a Light Charged Higgs Boson Decaying to a $W$ Boson and a $C$ Boson in Final States with $D$ Mesons in Pb-Pb Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 123, 022001.	2.9	17
198	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^- \tilde{\nu}_\tau$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54

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200	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology and $\mu\mu$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	2.9	47
201	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.	1.6	13
202	DEPFET pixel detector in the Belle II experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 657-659.	0.7	0
203	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803.	2.9	12
204	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 021801.	2.9	37
205	Search for a low-mass $\tilde{t}_1, \tilde{t}_2$ 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
206	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 $\tilde{t}_1, \tilde{t}_2$ leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
207	Search for the pair production of light top squarks in the $e^+e^- \rightarrow \tilde{t}_1 \tilde{t}_1^*$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
208	Measurements of the Higgs boson width and anomalous $\kappa_{\tilde{t}_1 \tilde{t}_1^*}$ couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, .	1.6	69
209	Measurements of the pp $\tilde{t}_1 \tilde{t}_1^* WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
210	Measurements of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 96-129.	1.5	44
211	Measurement of the $\sigma(\text{pp} \rightarrow \tilde{t}_1 \tilde{t}_1^* \text{ dilepton})$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 368.	1.4	68
212	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
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214	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.	1.4	29
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218	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.	2.9	24
219	Search for $W$ Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.	2.9	4
220	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
221	Measurements of $\overline{\sigma}(\text{pp} \rightarrow \text{H} + \text{lepton pair})$ 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.	1.6	28
222	Search for $\overline{\sigma}(\text{pp} \rightarrow \text{H} + \text{lepton pair})$ production in the $\text{H} \rightarrow \text{bb}$ decay channel with leptonic $\overline{\sigma}(\text{pp} \rightarrow \text{H} + \text{lepton pair})$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
223	Search for Narrow $\text{H}^{\pm}$ Resonances in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	3
224	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
225	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
226	Search for resonant $\overline{\sigma}(\text{pp} \rightarrow \text{H} + \text{lepton pair})$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
227	Observation of Single Top Quark Production in Association with a $Z$ Boson in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 132003.	2.9	30
228	Precision resonance energy scans with the PANDA experiment at FAIR. European Physical Journal A, 2019, 55, 1.	1.0	27
229	Observation of Two Excited $B_c$ States and Measurement of the $B_c \rightarrow B + c$ Transition. Physical Review Letters, 2019, 122, 132003.	2.9	62
230	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
231	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
232	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.	1.6	40
233	The Performance of Belle II Data Acquisition System in the First Physics Run. , 2019, . .		0
234	Search for resonances decaying to a pair of Higgs bosons in the $b\overline{b}q\overline{q}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10

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236	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
237	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
238	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
239	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.	2.9	1
240	Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .	1.6	14
241	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 231803.	2.9	23
242	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
243	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
244	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
245	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
246	Study of the $\Lambda_b^0$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
247	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. Physical Review Letters, 2018, 120, 071802.	2.9	40
248	Observation of Electroweak Production of Same-Sign $W^+W^-$ Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 092301.	2.9	86
249	Measurement of the Splitting Function in $pp \rightarrow Pb + X$ and Pb-Pb Collisions at $\sqrt{s} = 2.76$ and $5.02$ TeV. Physical Review Letters, 2018, 120, 142302.	2.9	39
250	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.	2.9	70
251	Observation of the Higgs boson decay to a pair of $\tau$ leptons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 283-316.	1.6	8
252	Observation of the Higgs boson decay to a pair of $\tau$ leptons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 283-316.	1.5	125

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254	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\ell\ell$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	36
255	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. <i>European Physical Journal C</i> , 2018, 78, 291.	1.4	27
256	Measurements of the $pp \rightarrow ZZ$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 165.	1.4	52
257	Measurement of the inclusive $t\bar{t}$ cross section in pp collisions at $\sqrt{s} = 5.02$ TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	5
258	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	0
259	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. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	5
260	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	6
261	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	57
262	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	63
263	Measurement of differential cross sections in the kinematic angular variable $\tilde{\tau}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	4
264	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	12
265	Measurement of normalized differential $t\bar{t}$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	18
266	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
267	Search for ZZ resonances in the $2\ell\ell$ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	4
268	Search for $t\bar{t}H$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
269	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. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	9
270	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	12

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271	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
272	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.	1.6	19
273	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
274	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
275	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two $\tilde{l}$ , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
276	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
277	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.	1.6	13
278	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\mathrm{NN}}}=5.44$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
279	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. Journal of Instrumentation, 2018, 13, P10034-P10034.	0.5	11
280	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
281	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
282	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
283	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. IEEE Transactions on Nuclear Science, 2018, 65, 2823-2833.	1.2	29
284	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 241802.	2.9	50
285	Search for top squarks decaying to a top quark and a Higgs boson 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	24
286	Measurement of the Electron Antineutrino Oscillation with 1958 Days of Operation at Daya Bay. Physical Review Letters, 2018, 121, 241805.	2.9	168
287	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
288	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

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289	Search for $Z\hat{1}^3$ 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
290	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
291	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
292	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
293	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2018, 121, 242301.	2.9	32
294	Search for the decay of a Higgs boson in the $\tilde{a}, \tilde{a}, \tilde{t}^3$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
295	Performance of reconstruction and identification of $\tilde{l}, \tilde{l}$ , leptons decaying to hadrons and $\tilde{\nu}_\tau$ in pp collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P10005-P10005.	0.5	69
296	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 221802.	2.9	14
297	Measurement of differential cross sections for $Z$ boson production in association with jets in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 965.	1.4	39
298	Observation of the $Z\hat{1}^3, \tilde{a}, \tilde{a}, \tilde{\nu}$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 1418015	1.6	14
299	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $\tilde{a}, \tilde{a}, \tilde{t}^3$ final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
300	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
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302	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	9
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306	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

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382	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
383	Evolution of the Reactor Antineutrino Flux and Spectrum at Daya Bay. Physical Review Letters, 2017, 118, 251801.	2.9	129
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