

Dayong Wang

List of Publications by Year in descending order

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Version: 2024-02-01

901
papers

44,177
citations

4370

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923
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docs citations

923
times ranked

12157
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	Sensitivity of lepton flavor violation process $B \rightarrow K^* \mu^+ \mu^-$ in future experiments. Modern Physics Letters A, 2022, 37.	0.5	0
6	Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of Leptons in pp Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	2.9	9
7	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
8	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
9	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.	1.6	10
10	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.	1.4	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	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. Physical Review Letters, 2022, 128, 122301.	2.9	11
14	Measurement of the differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV and effective field. Physical Review D, 2022, 105, .	1.6	4
15	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
16	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
17	Observation of $B \rightarrow D^* \mu^+ \mu^-$ mesons and measurement of the $B \rightarrow D^* \mu^+ \mu^-$ branching fraction. Physical Review Letters, 2022, 128, 021801.	1.5	9
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

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19	Quality control of mass-produced GEM detectors for the CMS GE1/1 muon upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1034, 166716.	0.7	10
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	Measurement of the inclusive $\overline{\text{t}}\text{t}$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
28	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
29	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
30	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
31	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
32	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
33	Measurement of the inclusive and differential $t\overline{t}$ 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
34	Observation of $B \rightarrow \psi(2S) K^0_{\text{S}}$ and $B \rightarrow \psi(2S) K^0_{\text{L}}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
35	Measurement of the Z boson cross section for $Z \rightarrow b\overline{b}$ jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	2
36	Observation of the B_c meson in Pb-Pb and B_c Meson in Pb-Pb and B_c Meson in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2022, 128, .	2.9	3

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37	Inclusive nonresonant dilepton probes of new phenomena at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	14
38	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
39	Probing Charm Quark Dynamics via Multiparticle Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2022, 129, .	2.9	5
40	Search for Flavor-Changing Neutral Current Interactions of the Top Quark and Higgs Boson in Final States with Two Photons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .	2.9	10
41	Identification of hadronic tau lepton decays using a deep neural network. Journal of Instrumentation, 2022, 17, P07023.	0.5	12
42	Search for heavy resonances decaying to $Z\gamma$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137263.	1.5	0
43	Search for high mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137263.	1.5	0
44	Search for the lepton flavor violating decay $\tilde{\chi}_1^0 \rightarrow \tau^+ \tau^- \gamma$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
45	Measurements of production cross sections of polarized same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136036.	1.5	20
46	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	1.4	33
47	Evidence for Higgs boson decay to a pair of muons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	54
48	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 3.	1.4	33
49	Studies of charm and beauty hadron long-range correlations in pp and pPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 813, 136036.	1.5	13
50	Measurement of differential $t\bar{t}$ production cross sections using top quarks at large transverse momenta in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 103, .	1.6	7
51	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
52	Measurements of $pp \rightarrow ZZ$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	1.4	24
53	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	15
54	Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	26

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55	Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV using effective field theory. Journal of High Energy Physics, 2021, 2021, 1.	1.6	12
56	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
57	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. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
58	Development and validation of HERWIG ⁷ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
59	Angular analysis of the decay $B^+ \rightarrow K^+ \pi^+ \pi^- \pi^0$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
60	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
61	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014.	0.5	62
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	Measurement of the cross section for the production of $Z + \text{jets}$ and $\tilde{t} + \text{jets}$ 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 $\tilde{t} + \text{jets}$ 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 ($Z \rightarrow \nu\bar{\nu}$). Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
69	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
70	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	1.4	35
71	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_c^+ \pi^0 \pi^0$. Physical Review Letters, 2021, 126, 252003.	2.9	22
72	Performance of the CMS muon trigger system in proton-proton collisions at $\sqrt{s} = 13$. Journal of Instrumentation, 2021, 16, P07001.	0.5	6

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73	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
74	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	62
75	Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.6	25
76	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 629.	1.4	18
77	Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136535.	1.5	3
78	Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. Physical Review D, 2021, 104, .	1.6	4
79	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 688.	2.9	5
80	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 688.	1.4	9
81	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 688.	1.5	13
82	Hard color-singlet exchange in dijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.6	3
83	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 723.	1.4	19
84	Search for lepton-flavor violating decays of the Higgs boson in the 4ℓ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136535.	1.6	25
85	Search for $W\ell\ell$ bosons decaying to a top and a bottom quark at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 819, 136446.	1.5	33
86	Search for $W\ell\ell$ bosons decaying to a top and a bottom quark at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 819, 136446.	1.5	9
87	Using dileptonic final states in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136535.	1.5	5
88	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
89	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
90	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

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109	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
110	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
111	Observation of nuclear modifications in W^{\pm} boson production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135048.	1.5	18
112	Search for light pseudoscalar boson pairs produced from decays of the 125 GeV Higgs boson in final states with two muons and two nearby tracks in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042.	1.5	28
113	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042.	1.5	12
114	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 151802.	2.9	20
115	Search for WZ and same-sign WW boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 151802.	1.5	37
116	Strange hadron production in pp collisions at $\sqrt{s} = 13$ TeV and pp collisions at $\sqrt{s} = 13$ TeV. Physical Review C, 2020, 101, .	1.1	10
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	Measurement of CKM matrix elements in single top quark t-channel production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135609.	1.5	8
119	Investigation into the event-activity dependence of \tilde{t} (nS) relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
120	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
121	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
122	Search for $W^{\pm}W^{\pm}$ boson pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	13
123	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
124	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
125	Measurement of properties of $B^0 \rightarrow \tau^+ \tau^-$ decays and search for $B^0 \rightarrow \tau^+ \tau^-$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
126	Search for a light pseudoscalar Higgs boson in the boosted $\tau^+ \tau^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	23

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127	Production and the Λ^+ structure of the Yukawa	2.9	38
128	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
129	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
130	Measurement of the cross section for $t\bar{t}$ 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
131	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
132	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\hat{1}/4+\hat{1}/4$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	1.5	27
133	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
134	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
135	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. Physical Review Letters, 2020, 125, 152001.	1.6	11
136	Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001.	2.9	13
137	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	2.9	14
138	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
140	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
141	Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001.	2.9	9
142	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
143	Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.	0.5	47
144	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

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145	Search for decays of the 125 GeV Higgs boson into a Z boson and a $\bar{\nu}$ -or $\bar{\nu}$ meson. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
146	Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
147	Search for resonant pair production of Higgs bosons in the $b\bar{b}$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
148	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7
149	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
150	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
151	Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	21
152	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. Journal of Instrumentation, 2020, 15, P06005-P06005.	0.5	56
153	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
154	Search for resonant pair production of Higgs bosons in the $b\bar{b}$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
155	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135448.	1.6	20
156	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
157	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135448.	1.5	6
158	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
159	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135448.	1.5	40
160	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
161	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
162	Multiparticle correlation studies in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review C, 2020, 101, .	1.1	9

#	ARTICLE	IF	CITATIONS
163	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV collisions. European Physical Journal C, 2020, 80, 534.	1.4	14
164	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
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171	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
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173	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
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177	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 131802.	2.9	61
178	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
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198	Search for top quark partners with charge $5/3$ in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13

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202	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
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208	Search for pair production of first-generation scalar leptoquarks at $s=13$ TeV. Physical Review D, 2019, 99, .	1.6	31
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214	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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256	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 121803.	2.9	102
257	Search for $pp \rightarrow \text{H} \rightarrow \text{ZZ} \rightarrow 4\ell$ collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 151801.	2.9	24
258	Search for W Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.	2.9	4
259	Search for $pp \rightarrow \text{H} \rightarrow \text{ZZ} \rightarrow 4\ell$ production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 539-551.	1.5	15
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272	Observation of Two Excited B_c States and Measurement of the B_c Stretching. Physical Review D, 2019, 99, .	2.9	62
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274	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
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276	Measurement of nuclear modification factors of $\Upsilon(1S)$, $\Upsilon(2S)$, and $\Upsilon(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 270-293.	1.7	17
277	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
278	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	16
279	Search for pair-produced three-jet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	5
280	Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b}q\bar{q}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
281	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2019, 79, 969.	1.4	6
282	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 100, .	1.6	34
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286	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 100, .	1.6	20
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291	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
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296	Search for Higgs boson pair production in the WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 19-44.	1.5	40
297	Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 19-44.	1.6	10
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300	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
301	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
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305	Search for Harmonics in WW and WZ Production in Lepton + Jet Events in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 092301.	2.9	39
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313	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}A_{\tau\tau}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
314	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 39-63.	1.5	16
315	Search for Higgs boson pair production in the $b\bar{b}A_{\tau\tau}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.5	16
316	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 291.	1.4	27
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318	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
319	Measurement of the inclusive τ cross section in pp collisions at $\sqrt{s}=5.02$ TeV using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
320	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	0
321	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	5
322	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
323	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
324	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

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361	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
362	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
363	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
364	Search for the decay of a Higgs boson in the $h \rightarrow a_1 \gamma$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
365	Performance of reconstruction and identification of \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
366	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
367	Search for third-generation scalar leptoquarks decaying to a top quark and a τ , lepton at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.	1.4	46
368	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
369	Studies of $B_s^0 \rightarrow B^0 \gamma$ and $B_s^0 \rightarrow B^0 \mu^+ \mu^-$ and $B_s^0 \rightarrow B^0 \tau^+ \tau^-$		

#	ARTICLE	IF	CITATIONS
379	Measurement of the $\sigma(\text{Z}/\gamma \rightarrow \text{au au}) / \hat{\sigma}(\text{Z} \rightarrow \text{e}^+ \text{e}^-)$, cross section in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ and validation of σ . European Physical Journal C, 2018, 78, 708.	1.4	10
380	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
381	Search for dark matter produced in association with a Higgs boson decaying to $\hat{\nu}\hat{\nu}$ or $\tilde{\nu}, +\tilde{\nu}, \hat{\nu}$ at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
382	Search for additional neutral MSSM Higgs bosons in the $\tilde{\nu}, \tilde{\nu}$, final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
383	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $s = 13 \text{ TeV}$. Physical Review Letters, 2018, 121, 141802.	2.9	4
384	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
385	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
386	Search for a heavy resonance decaying into a Z boson and a vector boson in the $\text{u} \overline{\text{u}} \text{q} \overline{\text{q}}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
387	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. Journal of Instrumentation, 2018, 13, P05011-P05011.	0.5	241
388	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
389	Search for beyond the standard model Higgs bosons decaying into a $\text{b} \overline{\text{b}}$ pair in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
390	Observation of the $\tilde{\nu}_1(3P)$ and $\tilde{\nu}_2(3P)$ and Measurement of their Masses. Physical Review Letters, 2018, 121, 092002.	2.9	19
391	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in $\text{p} \overline{\text{p}}$ collisions at 8 TeV . European Physical Journal C, 2018, 78, 701.	1.4	58
392	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s} = 5.02 \text{ TeV}$ collisions at $\sqrt{s} = 5.02 \text{ TeV}$. European Physical Journal C, 2018, 78, 509.	1.4	83
393	Search for lepton flavour violating decays of the Higgs boson to $\tau \mu$, and $e \mu$, in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
394	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\tilde{\nu}$, leptons at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
395	Search for decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two $\tilde{\nu}$, leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 462-488.	1.5	13
396	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219

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397	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .	1.6	39
398	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
399	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
400	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
401	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
402	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
403	Search for a singly produced third-generation scalar leptoquark decaying to a \bar{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
404	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
405	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
406	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
407	A novel application of Fiber Bragg Grating (FBG) sensors in MPGD. EPJ Web of Conferences, 2018, 174, 03002.	0.1	2
408	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
409	Search for Narrow Resonances in the b-Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	2.9	36
410	Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	55
411	Search for Higgs boson pair production in events with two bottom quarks and two tau leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	19
412	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2018, 97, 044907.	1.1	64
413	Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	2.9	70
414	Search for pair production of excited top quarks in the lepton + jets final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	8

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415	Search for excited quarks of light and heavy flavor in $\hat{p}\hat{p}$ jet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 390-411.	1.5	7
416	Search for supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV using identified top quarks. Physical Review D, 2018, 97, .	1.6	23
417	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 501-532.	1.5	63
418	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
419	Measurement of angular parameters from the decay $B \rightarrow a_1 \pi^+ \pi^-$ in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	101
420	Nuclear modification factor of D0 mesons in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	101
421	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV using b jets in a final state with a single lepton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	13
422	Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV using b jets in a final state with a single lepton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	47
423	Bose-Einstein correlations in $\pi^+\pi^-$ pairs produced in pp and PbPb collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.1	29
424	Measurement of differential cross sections for the production of top quark pairs and of additional jets in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 97, .	1.6	30
425	Search for pair production of vector-like quarks in the pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.6	78
426	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 356-384.	1.6	13
427	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	10
428	Search for pair production of vector-like quarks in the pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	37
429	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 356-384.	1.5	17
430	Search for new long-lived particles at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	1.5	24
431	Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 384-409.	1.5	4
432	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

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434	Determination of the number of $\Upsilon(3686)$ events at BESIII. Chinese Physics C, 2018, 42, 023001.	1.5	53
435	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	1.4	44
436	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity p - p Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 082301.	2.9	48
437	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	1.4	15
438	Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 14-39.	2.9	10
439	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, 034011.	1.6	36
440	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s} = 2.76$ and 5.02 TeV. Physical Review Letters, 2018, 121, 062002.	2.9	22
441	Observation of Λ_c^+ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 221801.	2.9	209
442	Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 241801.	2.9	19
443	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 221801.	2.9	160
444	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, 034011.	1.6	10
445	Search for a vectorlike T quark decaying to a Z boson and a top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 244-269.	1.5	36
446	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 244-269.	1.5	33
447	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 244-269.	2.9	47
448	Measurements of the p - p $\rightarrow Z$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$, ext {TeV} . , 2018, 78, 1.		3
449	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. , 2018, 78, 1.		1
450	Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 118, 021802.	2.9	24

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451	Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 147-170.	1.5	69
452	Observation of the decay $B \rightarrow \pi^+ \pi^0 (2S) \pi^0 K^+$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 66-86.	1.5	25
453	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2017, 95, .	1.6	8
454	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	1.5	25
455	Search for $\tilde{\chi}^0_1$ production in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2017, 95, .	1.6	12
456	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
457	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	1.6	9
458	Measurement of the $t\bar{t}$ production cross section using events in the e^+e^- final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
459	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
460	Search for electroweak production of charginos in final states with two leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
461	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
462	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
463	Measurement of prompt and nonprompt J/ψ production in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
464	Suppression of $\Upsilon(1S)$, $\Upsilon(2S)$, and $\Upsilon(3S)$ quarkonium states in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 357-379.	1.5	74
465	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.	0.5	216
466	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the α_T variable. European Physical Journal C, 2017, 77, 294.	1.4	29
467	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 80-105.	1.5	14
468	Measurement of the cross section for electroweak production of $Z\tau^+\tau^-$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	1.5	34

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470	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	1.5	35
471	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 8$ TeV using the $\pm T$ variable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-85.	1.5	15
472	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-85.	1.5	90
473	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 137-162.	1.5	17
475	Observation of Charge-Dependent Azimuthal Correlations in Pb-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	2.9	17
476	Evidence for collectivity in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	1.5	243
477	Measurement of the Run-1 B_{eff} in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	2.9	15
478	Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	2.9	62
479	Search for a W boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 96, 012001.	1.6	19
480	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
481	Pseudorapidity dependence of long-range two-particle correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	1.1	6
482	Measurement of inclusive jet cross sections in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, 014001.	1.1	59
483	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
484	Measurement of the jet mass in highly boosted $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	1.4	23
485	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 118, 122301.	1.6	10
486	Measurement of the top quark mass in the dileptonic decay channel using the mass observables M_{bc} and $M_{\text{bc}\ell}$. Physical Review Letters, 2017, 118, 122301.	1.6	12

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488	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 141802.	2.9	54
489	Correlations in Pb-Pb and pp Collisions at $\sqrt{s_{NN}}=2.76$ and $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 119, 111802.	2.9	32
490	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 111802.	2.9	35
491	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 336-358.	1.5	11
492	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
493	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	1.5	9
494	Search for anomalous couplings in boosted W bosons in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 278-301.	1.5	27
495	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 391-412.	1.5	5
496	Search for heavy gauge $W_{\mu\nu}$ bosons in events with an energetic lepton and large missing transverse momentum at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 278-301.	1.5	31
497	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	1.5	20
498	Search for high-mass Z resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using jet substructure techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	1.5	4
499	Search for associated production of a Higgs boson and a W boson in proton-proton collisions at $\sqrt{s}=13$ TeV with the CMS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 499-511.	1.5	7
500	Search for $t\bar{t}\tilde{\Lambda}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
501	Search for vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 499-511.	1.5	14
502	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 752-776.	1.5	3
503	Measurement of differential cross sections for top quark pair production using the $l\bar{l}b\bar{b}$ final state in proton-proton collisions at 13 TeV. Physical Review D, 2017, 95, .	1.6	50
504	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\tau$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14

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505	Observation of Top Quark Production in Proton-Nucleus Collisions. <i>Physical Review Letters</i> , 2017, 119, 242001.	2.9	23
506	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	48
507	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	35
508	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	13
509	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 775, 1-24.	1.5	40
510	Measurement of the semileptonic $t \bar{t} \hat{A}^0$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	11
511	Measurements of the $pp \rightarrow W \hat{A}^0$ and $pp \rightarrow Z \hat{A}^0$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	10
512	Mechanical stability of the CMS strip tracker measured with a laser alignment system. <i>Journal of Instrumentation</i> , 2017, 12, P04023-P04023.	0.5	0
513	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. <i>European Physical Journal C</i> , 2017, 77, 710.	1.4	98
514	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
515	Search for leptophobic $Z\epsilon\epsilon$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 279-307.	1.5	26
516	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 279-307.	1.5	26
517	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 333-358.	1.5	26
518	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
519	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	14
520	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2017, 95, .	1.6	12
521	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
522	Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 435-456.	1.5	24

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524	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
525	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
526	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	2.9	24
527	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
528	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
529	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	1.4	38
530	The Triple GEM Detector Control System for CMS forward muon spectrometer upgrade. Journal of Instrumentation, 2017, 12, P02003-P02003.	0.5	2
531	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 221802.	2.9	40
532	Measurement of electroweak-induced production of $W\ell^3$ with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
533	Searches for $W\ell^2$ 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
534	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
535	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
536	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
537	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27
538	Principal-component analysis of two-particle azimuthal correlations in PbPb and pp collisions at CMS. Physical Review C, 2017, 96, 014907.	1.6	18
539	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 96, 014004.	1.6	48

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541	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.5	45
542	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 775, 315-337.	1.6	31
543	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
544	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
545	Measurement of the $t\bar{t}\gamma$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
546	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	5
547	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 578.	1.4	57
548	Search for top quark partners with charge $5/3$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	3
549	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	29
550	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
551	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	21
552	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	15
553	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	62
554	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	41
555	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	1.4	2
556	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 636.	1.4	38
557	Search for high-mass $Z^{\prime 3}$ resonances in $e^+e^-\gamma^3$ and $\gamma^4 + \gamma^3$ final states in proton-proton collisions at $\sqrt{s} = 8$ TeV and 13 TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	7
558	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \bar{l}_i , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	22

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560	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
561	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
562	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
563	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
564	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	0.5	348
565	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.4	30
566	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s = 8\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
567	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
568	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $s_{NN} = 2.76\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
569	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
570	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
571	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
572	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, .	1.6	73
573	Search for heavy resonances decaying to two Higgs bosons in final states produced in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	1.5	25
574	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
575	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
576	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, .	1.6	47

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578	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV. Physical Review D, 2016, 94, .	1.6	5
579	Measurement of the ZZ production cross section and Z \rightarrow $\gamma\gamma$, γZ , $\gamma\gamma$, γZ branching fraction in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	22
580	Searches for $\tilde{g}\tilde{g}$ production in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
581	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	1.6	24
582	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	1.5	6
583	Angular analysis of the decay $B^0 \rightarrow K^{*0} \mu^+ \mu^-$ from pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	1.5	87
584	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
585	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	27
586	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
587	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau\tau$, leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	1.5	45
588	Measurement of the $Z \rightarrow \mu\mu$ production cross section in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	1.5	6
589	$l(\mu, \tau)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	1.5	6
590	Search for lepton flavour violating decays of the Higgs boson to $e\tau$, and $e\mu$ in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	1.5	44
591	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	1.5	17
592	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	1.5	6
593	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
594	Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 117, 031802.	2.9	74

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596	Search for new physics in same-sign dilepton events in protonâ€“proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
597	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 8$ and 13 TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73
598	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review D, 2016, 94, .	1.6	4
599	Search for vectorlike charge $\frac{2}{3}$ and $\frac{1}{3}$ top quark pair production in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review D, 2016, 94, .		

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613	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s}=8\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and Combined search for anomalous pseudoscalar H ν couplings in	1.5	6
614	Combined search for anomalous pseudoscalar H ν couplings in		

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632	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \text{ext } \{TeV\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 379.	1.4	34
633	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
634	Observation of top quark pairs produced in association with a vector boson in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
635	Search for $W \rightarrow tb$ in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	3
636	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
637	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
638	Search for excited leptons in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
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650	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
651	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
652	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
653	Inclusive and differential measurements of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128.	1.5	30
654	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.	1.5	30
655	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
656	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
657	Search for heavy Majorana neutrinos in e^+e^- jets and e^+e^- jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
658	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 116, 071801.	2.9	114
659	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\bar{l}l$, leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
660	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
661	Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with $h\bar{l}l$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	1.5	53
662	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	1.5	13
663	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
664	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s}=8$ TeV and decaying to l^+l^- . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 154-175.	1.5	57
665	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	1.5	87
666	Performance of the gas gain monitoring system of the CMS RPC muon detector. Journal of Instrumentation, 2015, 10, C01003-C01003.	0.5	0

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668	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. Physical Review D, 2015, 92, .	1.6	43
669	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	1.6	7
670	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 91, .	1.6	73
671	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 91, .	1.6	5
672	Measurement of diffractive dissociation cross sections in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	1.6	46
673	Constraints on the spin-parity and anomalous HVV couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	1.6	185
674	Search for supersymmetry with photons in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	1.6	7
675	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	1.6	55
676	Evidence for Collective Multiparticle Correlations in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2015, 115, 012301.	2.9	177
677	Search for a Z boson and the 125 GeV Higgs boson in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2015, 115, 012301.	1.5	94
678	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
679	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
680	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	1.5	193
681	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	1.5	63
682	Search for heavy Majorana neutrinos in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	1.5	68
683	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
684	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

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686	Search for a charged Higgs boson in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
687	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
688	Search for a light charged Higgs boson decaying to $c \bar{s}$ in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
689	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
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691	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
692	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	1.4	541
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698	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	1.5	63
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702	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 83-104.	1.5	77

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705	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.	1.5	18
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709	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	1.6	46
710	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	1.6	90
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713	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
714	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	2.9	44
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716	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	2.9	80
717	Search for supersymmetry using razor variables in events with b-tagged jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 66.	1.6	167
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719	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	31
720	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

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727	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
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741	Searches for heavy Higgs bosons in two-Higgs-doublet models and for h decay using dilepton and diphoton final states in pp collisions at 8 TeV . Physical Review D, 2014, 90, 075011.	1.6	51
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743	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
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748	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
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761	Measurement of the muon charge asymmetry in inclusive $Z \rightarrow b\bar{b}$ production at the LHC. Physical Review Letters, 2014, 113, 132301.	1.6	64
762	Measurement of the muon charge asymmetry in inclusive $Z \rightarrow b\bar{b}$ production at the LHC. Physical Review Letters, 2014, 113, 132301.	1.6	83
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777	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
778	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	20
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783	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. European Physical Journal C, 2014, 74, 2980.	1.4	171
784	Measurement of jet multiplicity distributions in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	1.4	16
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786	Event activity dependence of Y (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
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788	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l}, \tilde{\nu}$ leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
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790	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
791	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
792	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

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795	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
796	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
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802	Search for super-symmetry in pp collisions at $\sqrt{s} = 7$ TeV. Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 328-353.	1.5	112
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807	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
808	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
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812	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
813	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
814	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
815	Measurement of the $\overline{\text{t}}\text{t}$ 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
816	Measurement of the $X(3872)$ production cross section via decays to $J/\psi\hat{e} + \hat{e}\hat{a}$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
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818	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	33
819	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
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824	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{t} and b-quark multiplicity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
825	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
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827	Search for physics beyond the standard model in events with \hat{t} , 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
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848	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs. Physical Review Letters, 2013, 110, 081803.	2.9	270
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852	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 221801.	1.6	71
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856	Search for Top Squarks in Parity-Violating Supersymmetry Using Three or More Leptons and b-jets. Physical Review Letters, 2013, 111, 221801.	2.9	47
857	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 221801.	1.6	115
858	Rapidity distributions in exclusive Z+jet and γ +jet events in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 221801.	1.6	12
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863	Measurement of the integrated luminosities of the data taken by BESIII at $\sqrt{s} = 3.650$ and 3.773 GeV. Chinese Physics C, 2013, 37, 123001.	1.5	112
864	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2013, 111, 221801.		2

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865	Observation of Sequential $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \hat{\nu} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.}$	2.9	220
866	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
867	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
868	Measurement of the $Z/\gamma^* \rightarrow b$ -jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
869	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
870	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
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878	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 348-368.	1.5	36
879	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
880	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\gamma, 2l, 2l\gamma$ channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
881	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	16
882	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	369

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883	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	181
884	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	135
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890	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	53
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899	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
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901	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497