

# Georgios Ch Daskalakis

## List of Publications by Year in descending order

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Version: 2024-02-01

250  
papers

8,795  
citations

38660

50  
h-index

66788

78  
g-index

254  
all docs

254  
docs citations

254  
times ranked

8156  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV} ext {V}. European Physical Journal C, 2022, 82, 153.	1.4	14
4	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
5	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV}. European Physical Journal C, 2022, 82, 290.	1.4	18
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	Observation of $B^0 \rightarrow \text{supersymmetry}(2S)K^0_{\text{lepton}} \text{uppi}^+ \text{uppi}^-$ and $B^0_{\text{lepton}} \rightarrow \text{supersymmetry}(2S)K^0_{\text{lepton}}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
17	Search for dark matter produced in association with a leptonically decaying $Z$ boson in proton-proton collisions at $\sqrt{s} = 13$ , ext {TeV} ext {V}. European Physical Journal C, 2021, 81, 13.	1.4	33
18	Search for top squark pair production using dilepton final states in $\text{pp} \rightarrow \text{pp}$ collision data collected at $\sqrt{s} = 13$ , ext {TeV}. European Physical Journal C, 2021, 81, 3.	1.4	33

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19	Measurements of $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 200.	1.4	24
20	Development and validation of HERWIG tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
21	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 378.	1.4	40
22	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 488.	1.4	35
23	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
24	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 629.	1.4	18
25	Search for a heavy vector resonance decaying to a $\text{ZZ}$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 688.	1.4	9
26	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 723.	1.4	19
27	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{ZZ} + \text{two-jet}$ final states in $\text{pp}$ collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
28	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
29	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}} = 8.16 \text{ TeV}$ . Physical Review C, 2021, 103, .	1.1	1
30	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2021, 81, 970.	1.4	18
31	Beam test performance of prototype silicon detectors for the Outer Tracker for the Phase-2 Upgrade of CMS. Journal of Instrumentation, 2020, 15, P03014-P03014.	0.5	6
32	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
33	Experimental study of different silicon sensor options for the upgrade of the CMS Outer Tracker. Journal of Instrumentation, 2020, 15, P04017-P04017.	0.5	5
34	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
35	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 $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ . European Physical Journal C, 2020, 80, 752.	1.4	23
36	Studies of Charm Quark Diffusion inside Jets Using Pb-Pb and $\text{pp}$ collisions at $\sqrt{s} = 2.76, \text{ext}\{\text{TeV}\}$ . Physical Review Letters, 2020, 125, 102001.	2.9	9

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37	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
38	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
39	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
40	Search for direct pair production of supersymmetric partners to the $\tau$ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
41	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. European Physical Journal C, 2020, 80, 534.	1.4	14
42	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
43	Searches for physics beyond the standard model with the $M_{T2}$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 3.	1.4	70
44	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
45	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
46	A multi-dimensional search for new heavy resonances decaying to boosted $W$ boson pairs in the dijet final state at 13 TeV. European Physical Journal C, 2020, 80, 237.	1.4	31
47	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
48	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
49	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, .	1.6	20
50	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134952.	1.5	17
51	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
52	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
53	Studies of Beauty Suppression via Nonprompt Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2019, 123, 022001.	2.9	17
54	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 305.	1.4	4

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55	Measurement of electroweak WZ boson production and search for new physics in WZ + two jets events in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.5	36
56	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803.	2.9	12
57	Search for an $L\bar{L}$ gauge boson using $Z\bar{t}t$ events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.5	49
58	Search for the pair production of light top squarks in the $e^+e^-$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
59	Measurements of the Higgs boson width and anomalous couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, 115011.	1.6	69
60	Measurements of the pp $\bar{t}t$ WZ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
61	Measurement of properties of the Higgs boson decaying to a WZ boson pair in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.5	44
62	Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 368.	1.4	68
63	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.	1.4	29
64	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	1.4	48
65	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 345-368.	1.6	46
66	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s} = 2.76$ and $13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	24
67	Observation of Two Excited $B_c$ States and Measurement of the $B_c$ Decay Constant. Physical Review Letters, 2019, 122, 081804.	2.9	62
68	Search for $t\bar{t}H$ production in the $H \rightarrow b\bar{b}$ decay channel with leptonic $t\bar{t}$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
69	Search for Narrow $H^{\pm}$ Resonances in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	3
70	Observation of Two Excited $B_c$ States and Measurement of the $B_c$ Decay Constant. Physical Review Letters, 2019, 122, 081804.	2.9	62
71	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
72	Measurement of nuclear modification factors of $\bar{D}(1S)$ , $\bar{D}(2S)$ , and $\bar{D}(3S)$ mesons in PbPb collisions at $\sqrt{s} = 2.76$ and $13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 270-293.	1.6	17

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73	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 99.	1.6	16
74	Constraints on anomalous $H \rightarrow VV$ couplings from the production of Higgs bosons decaying to lepton pairs. <i>Physical Review D</i> , 2019, 100.	1.6	21
75	and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV using charge-dependent azimuthal anisotropies. <i>Physical Review C</i> , 2019, 100.	1.1	8
76	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	18
77	Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 789, 19-44.	1.6	10
78	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	28
79	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. <i>Physical Review Letters</i> , 2018, 120, 071802.	2.9	40
80	Observation of Electroweak Production of Same-Sign $W^{\pm}W^{\pm}$ Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2018, 120, 092301.	2.9	86
81	Search for Higgs boson pair production in $pp$ collisions at $\sqrt{s} = 13$ TeV and $pp$ collisions at the LHC. <i>Physical Review Letters</i> , 2018, 120, 092301.	2.9	39
82	Study of dijet events with a large rapidity gap between the two leading jets in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2018, 78, 242.	1.4	10
83	Measurement of the Spinning Function in $pp$ Collisions at $\sqrt{s} = 13$ TeV and Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. <i>Physical Review Letters</i> , 2018, 120, 092301.	2.9	70
84	Measurement of quarkonium production cross sections in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 780, 251-272.	1.6	8
85	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $s_{NN} = 5.02$ and $8.16$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	8
86	Observation of the Higgs boson decay to a pair of $\tau$ leptons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 283-316.	1.5	125
87	Suppression of Excited $\tau$ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02$ TeV. <i>Physical Review Letters</i> , 2018, 120, 092301.	2.9	38
88	Search for Higgs boson pair production in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2018, 120, 092301.	1.6	10
89	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}A_{\mu\nu}^{(1/2)}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	36
90	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. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 777, 39-63.	1.5	16

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91	Measurements of the $\sigma(\text{pp} \rightarrow Z + \text{charm})$ cross sections in association with leptons and charm quarks in final states using dilepton final states in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.	1.5	16
92	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
93	Measurements of the $\sigma(\text{pp} \rightarrow Z + \text{charm})$ production cross section and the $\text{BR}(Z \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 165.	1.4	52
94	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
95	Measurement of the inclusive $\sigma(\text{pp} \rightarrow Z + \text{charm})$ 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
96	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
97	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
98	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
99	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
100	Measurement of differential cross sections in the kinematic angular variable $\cos^2\theta^*$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
101	Measurement of normalized differential $\sigma(\text{pp} \rightarrow Z + \text{charm})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
102	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
103	Search for ZZ resonances in the $2\ell + 2\ell'$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
104	Search for massive resonances decaying into $WZ$ or $WZ$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	27
105	Measurement of the polarization and angular parameters in $\text{pp} \rightarrow Z + \text{charm}$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
106	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 195-216.	1.5	11
107	Measurement of the azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 195-216.	1.4	14
108	Search for $\sigma(\text{pp} \rightarrow Z + \text{charm})$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20

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109	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
110	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43
111	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
112	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. Journal of Instrumentation, 2018, 13, P10034-P10034.	0.5	11
113	Measurement of the top quark mass with lepton+jets final states using $\mathcal{P}^{\text{obs}}$ collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 891.	1.4	34
114	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
115	Measurement of jet substructure observables in $t\bar{t}$ events from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	24
116	Search for $Z\tilde{\chi}^0$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
117	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
118	Performance of reconstruction and identification of $\tilde{\chi}^0$ , leptons decaying to hadrons and $\tilde{\chi}^{\pm}$ in pp collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P10005-P10005.	0.5	69
119	Search for third-generation scalar leptoquarks decaying to a top quark and a $\tau$ lepton at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.	1.4	46
120	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
121	Studies of $B_s \rightarrow B_s^0 \gamma$ and $B_s \rightarrow B_s^0 \mu^+ \mu^-$ and $B_s \rightarrow B_s^0 \tau^+ \tau^-$		



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127	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
128	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_1^0$ or $\tilde{\chi}_1^\pm, \tilde{\chi}_2^0$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
129	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
130	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
131	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}q\bar{q}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
132	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
133	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s}=13$ TeV PbPb collisions at 5.02 TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
134	Search for lepton flavour violating decays of the Higgs boson to $\tilde{\chi}_1^0 \tau^+ \tau^-$ and $e^+ e^-$ , in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
135	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\tilde{t}$ , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
136	Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector. Journal of Instrumentation, 2018, 13, P03003-P03003.	0.5	4
137	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two $\tilde{\chi}_1^0$ , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 462-488.	1.5	43
138	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219
139	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
140	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
141	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
142	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
143	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
144	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

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145	Search for narrow resonances in the $b\bar{b}$ -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
146	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
147	Charm quark and neutralino production 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
148	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
149	Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	2.9	70
150	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
151	Search for excited quarks of light and heavy flavor in $b\bar{b}$ -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
152	Search for supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV using identified top quarks. Physical Review D, 2018, 97, .	1.6	23
153	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
154	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
155	Measurement of angular parameters from the decay $B_{(s)} \rightarrow a_1 \ell^+ \ell^-$ in proton-proton collisions at $\sqrt{s}=13$ TeV. 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, 778, 349-370.	1.5	11
156	Measurement of differential cross sections for the production of top quark pairs and of additional jets 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	101
157	Momentum imbalance at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	47
158	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.	1.6	30
159	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.	1.6	78
160	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
161	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
162	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

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163	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2018, 13, P06015-P06015.	0.5	180
164	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	1.4	44
165	Search for strange hadrons in high-multiplicity proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 082301.	2.9	48
166	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	1.4	15
167	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, 074011.	1.6	36
168	Observation of $t\bar{t}H$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 231801.	2.9	209
169	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
170	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, 074012.	1.6	10
171	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, 801, 534-500.	1.5	36
172	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
173	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
174	Measurements of the $(p\bar{p}) \rightarrow Z\gamma$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.		3
175	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
176	Measurement of prompt and nonprompt $\psi(2S)$ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
177	Search for prompt and nonprompt $\psi(2S)$ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.5	74
178	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 $\alpha_T$ variable. European Physical Journal C, 2017, 77, 294.	1.4	29
179	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
180	Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	1.5	90

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181	Observation of Charge-Dependent Azimuthal Correlations in $pp$ Collisions and Its Implication for the Search for the Chiral Magnetic Effect, <i>Physical Review Letters</i> , 2017, 119, 141802.	2.9	15
182	Search for Supersymmetry in $pp$ Collisions at $\sqrt{s} = 13$ TeV in the Single Lepton Final State Using the Sum of Masses of Large-Radii Jets, <i>Physical Review Letters</i> , 2017, 119, 11802.	2.9	15
183	Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV, <i>Physical Review D</i> , 2017, 96, .	2.9	62
184	Measurement of the differential cross sections for the associated production of a $W$ boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV, <i>Physical Review D</i> , 2017, 96, .	1.6	19
185	P-Type Silicon Strip Sensors for the new CMS Tracker at HL-LHC. <i>Journal of Instrumentation</i> , 2017, 12, P06018-P06018.	0.5	24
186	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	17
187	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. <i>European Physical Journal C</i> , 2017, 77, 459.	1.4	52
188	Measurement of the jet mass in highly boosted $t\bar{t}$ events from $pp$ collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 467.	1.4	23
189	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2017, 96, .	1.6	10
190	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2017, 96, .	1.6	61
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192	Study of Jet Quenching with $Z$ Correlations in Pb-Pb and $pp$ Collisions at $\sqrt{s_{NN}} = 2.76$ TeV, <i>Physical Review Letters</i> , 2017, 119, 111802.	2.9	32
193	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2017, 119, 111802.	2.9	35
194	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 336-358.	1.5	11
195	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	103
196	Search for anomalous couplings in boosted $W$ boson production in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2017, 96, .	1.5	27
197	Measurement of the charm jet cross section and nuclear modification factor in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2017, 119, 111802.	2.9	20
198	Search for high-mass $Z$ resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and 13 TeV using jet substructure techniques. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 363-387.	1.5	4

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199	Search for $t\bar{t} \hat{A} \text{ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at } s = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
200	Search for single production of vector-like quarks decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 634-636.	1.5	14
201	Cross section measurement of t-channel single top quark production in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 752-776.	1.5	13
202	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\tau$ at $s = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
203	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	2.9	23
204	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $s = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
205	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 1-24.	1.5	40
206	Measurement of the semileptonic $t\bar{t} \hat{A} \tau^+\tau^-$ production cross section in pp collisions at $s = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
207	Measurements of the $pp \hat{A} \tau^+\tau^- W^{\pm 3}$ and $pp \hat{A} \tau^+\tau^- Z^{\pm 3}$ cross sections and limits on anomalous quartic gauge couplings at $s = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
208	Mechanical stability of the CMS strip tracker measured with a laser alignment system. Journal of Instrumentation, 2017, 12, P04023-P04023.	0.5	0
209	Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 710.	1.4	98
210	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 279-307.	1.5	14
211	Search for pair production of vector-like quarks in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ and $13 \text{ TeV}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 533-558.	1.5	26
212	CMS Collaboration. Nuclear Physics A, 2017, 967, 965-982.	0.6	1
213	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
214	Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ . European Physical Journal C, 2017, 77, 252.	1.4	82
215	Searches for pair production of third-generation squarks in $\sqrt{s} = 13 \text{ TeV}$ pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
216	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ . European Physical Journal C, 2017, 77, 354.	1.4	23

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217	Modification of Prompt $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false" \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle T_j \text{ ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74}$	2.9	24
218	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
219	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
220	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
221	Searches for $W\tilde{e}^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
222	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
223	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
224	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
225	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
226	Principal-component analysis of two-particle azimuthal correlations in PbPb and $\sqrt{s} = 13$ TeV collisions at CMS. Physical Review C, 2017, 96, 034907.	1.6	18
227	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. Journal of High Energy Physics, 2017, 2017, 1.	1.5	45
228	Search for a heavy composite Neutrino Elementary Particle and High Energy Neutrino at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2017, 775, 2315-2327.	1.6	31
229	Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
230	Measurement of the $t\bar{t}\tilde{A}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	5
231	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.4	57
232	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. European Physical Journal C, 2017, 77, 578.	1.6	3
233	Search for top quark partners with charge 5/3 in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.		

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236	Measurements of jet charge with dijet events in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
237	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
238	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
239	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
240	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
241	Characterisation of irradiated thin silicon sensors for the CMS phase II pixel upgrade. European Physical Journal C, 2017, 77, 1.	1.4	4
242	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 636.	1.4	38
243	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 $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
244	Search for CP violation in $t \bar{t} \hat{A}^0$ production and decay in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
245	Measurement of the triple-differential dijet cross section in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
246	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
247	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
248	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
249	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	0.5	348
250	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	23