

Christophe Delaere

List of Publications by Year in descending order

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Version: 2024-02-01

766
papers

44,508
citations

3515

90
h-index

4101

175
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768
all docs

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docs citations

768
times ranked

12270
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	Search for $W\tilde{l}^3$ 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
3	Search for heavy resonances decaying to $W\tilde{l}$ or $Z\tilde{l}$ Leptons in $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	2.9	9
4	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
5	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
6	Search for heavy resonances decaying to WZ or $W\tilde{l}$ or $Z\tilde{l}$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
7	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	1.4	14
8	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
9	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. Physical Review Letters, 2022, 128, 122301.	2.9	11
10	Measurement of $W\tilde{l}^3$ differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	4
11	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
12	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
13	Observation of $B \rightarrow W\tilde{l}$ mesons and measurement of the $B \rightarrow W\tilde{l}$ branching ratio. Physical Review D, 2022, 105, .	1.5	5
14	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
15	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
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
23	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
24	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
25	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
26	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
27	Observation of $B^0 \rightarrow \psi(2S) K^0_{\text{short}}$ and $B^0_{\text{short}} \rightarrow \psi(2S) K^0_{\text{short}}$ decays. European Physical Journal C, 2022, 82.	1.4	1
28	Measurement of the production cross section for $Zb\bar{b}$ jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	2
29	Meson in Pb-Pb and p collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Physical Review D, 2022, 105, .	2.9	3
30	Inclusive nonresonant multilepton probes of new phenomena at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	14
31	The altitude of the depths: use of inland water archaeology for the reconstruction of inundated cultural landscapes in Lake Titicaca. World Archaeology, 2022, 54, 67-83.	0.5	3
32	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
33	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
34	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
35	Identification of hadronic tau lepton decays using a deep neural network. Journal of Instrumentation, 2022, 17, P07023.	0.5	12
36	Search for heavy resonances decaying to $Z\gamma$ at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1

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37	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
38	Toward Machine Learning Optimization of Experimental Design. Nuclear Physics News, 2021, 31, 25-28.	0.1	8
39	Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 81, 16018.	1.5	20
40	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
41	Search for top squark pair production using dilepton final states in collision data collected at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.4	33
42	The CMS Phase-1 pixel detector upgrade. Journal of Instrumentation, 2021, 16, P02027-P02027.	0.5	25
43	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
44	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, 054011.	1.6	7
45	Measurements of $pp \rightarrow \tau\tau$ 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
46	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
47	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
48	Matrix element regression with deep neural networks – Breaking the CPU barrier. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
49	Development and validation of HERWIG7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
50	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
51	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014.	0.5	62
52	Measurement of the CP-violating phase β_s in the $B_s \rightarrow D_s \tau \nu$ decay. Physical Review Letters, 2021, 126, 252002.	1.5	12
53	Reconstructing two millennia of copper and silver metallurgy in the Lake Titicaca region (Bolivia/Peru) using trace metals and lead isotopic composition. Anthropocene, 2021, 34, 100288.	1.6	11
54	Measurement of the $W^{\pm}Z$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=13$ TeV and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002.	2.9	13

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73	Measurements of angular distance and momentum ratio distributions in three-jet and $\{Z\}$ + two-jet final states in $\{p\}\{p\}$ collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
74	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
75	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135992.	1.6	20
76	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, .	1.5	18
77	Measurement of the electroweak production of $Z\{l\}l$ and two jets in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s} = 13, \text{TeV}$ Using Leptonic Decays. Physical Review Letters, 2021, 127, 191801.	1.1	1
78	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2021, 81, 970.	1.6	13
79	Advances in Multi-Variate Analysis Methods for New Physics Searches at the Large Hadron Collider. Reviews in Physics, 2021, 7, 100063.	2.9	6
80	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	1.4	18
81	Search for long-lived particles decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 13, \text{TeV}$. Physical Review Letters, 2021, 127, 261804.	1.6	16
82	Observation of nuclear modifications in W^{\pm} boson production in pPb collisions at $\sqrt{s_{NN}} = 8.16 \text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135048.	1.5	18
83	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 $\sqrt{s} = 13, \text{TeV}$. Physical Review Letters, 2020, 125, 151802.	1.5	28
84	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s} = 13 \text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135042.	1.5	12
85	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13, \text{TeV}$. Physical Review Letters, 2020, 125, 151802.	2.9	20
86	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Strange hadron production in $\{p\}\{p\}$ collisions at $\sqrt{s} = 13, \text{TeV}$. Physical Review C, 2020, 101, .	1.5	37
87	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Strange hadron production in $\{p\}\{p\}$ collisions at $\sqrt{s} = 13, \text{TeV}$. Physical Review C, 2020, 101, .	1.1	10
88	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Strange hadron production in $\{p\}\{p\}$ collisions at $\sqrt{s} = 13, \text{TeV}$. Physical Review C, 2020, 101, .		
89	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Strange hadron production in $\{p\}\{p\}$ collisions at $\sqrt{s} = 13, \text{TeV}$. Physical Review C, 2020, 101, .		
90	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. Strange hadron production in $\{p\}\{p\}$ collisions at $\sqrt{s} = 13, \text{TeV}$. Physical Review C, 2020, 101, .		

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91	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
92	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
93	Measurements of W boson pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	1.6	13
94	Production and the structure of the Yukawa interaction. Journal of Instrumentation, 2020, 15, P02027-P02027.	2.9	38
95	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
96	Measurement of the $Y(1S)$ pair production cross section and search for resonances decaying to $Y(1S)\gamma$ 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
97	The context and meaning of an intact Inca underwater offering from Lake Titicaca. Antiquity, 2020, 94, 1030-1041.	0.5	5
98	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
99	Measurement of the jet mass distribution and top quark mass in hadronic decays of boosted top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	1.6	11
100	Collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	2.9	13
101	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
102	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
104	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
105	Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 102001.	2.9	9
106	Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.	0.5	47
107	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
108	Measurements of the W boson rapidity, helicity, double-differential cross sections, and charge asymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135578.	1.6	13

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109	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. <i>Physical Review Letters</i> , 2020, 125, 222001.	2.9	7
110	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	21
111	Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 102, .	1.6	21
112	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. <i>Journal of Instrumentation</i> , 2020, 15, P06005-P06005.	0.5	56
113	Search for resonant pair production of Higgs bosons in the $b\bar{b}$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 041803.	1.6	10
114	Search for a light charged Higgs boson in the $H\bar{A}\pm$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 041803.	1.6	20
115	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	20
116	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 041803.	1.5	6
117	Search for dijet resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 041803.	1.5	40
118	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 189.	1.4	22
119	Multiparticle correlation studies in $p\text{-Pb}$ collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. <i>Physical Review C</i> , 2020, 101, .	1.1	9
120	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. <i>European Physical Journal C</i> , 2020, 80, 534.	1.4	14
121	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 43.	1.4	11
122	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 041803.	2.9	6
123	Evidence for W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	10
124	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. <i>European Physical Journal C</i> , 2020, 80, 75.	1.4	78
125	Searches for physics beyond the standard model with the T_2 variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 3.	1.4	70
126	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020, 80, 4.	1.4	198

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127	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 131802.	2.9	61
128	A measurement of the Higgs boson mass in the diphoton decay channel. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 805, 135425.	1.5	63
129	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	14
130	A multi-dimensional search for new heavy resonances decaying to boosted W or Z boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 237.	1.4	31
131	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 801, 135183.	1.5	28
132	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 100, .	1.5	0
133	Observation of the $t \rightarrow b \tau \nu$ decay in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135203.	1.5	16
134	Observation of electroweak production of W^{\pm} with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 811, 135988.	1.5	21
135	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. <i>Journal of Instrumentation</i> , 2020, 15, P10002-P10002.	0.5	9
137	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8, 13$ TeV with the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2020, 80, 1164.	1.4	5
138	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 370.	1.4	22
139	Measurement of normalised multi-differential cross sections in pp collisions at $\sqrt{s} = 13, 8$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020, 80, 1.	1.4	33
140	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. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	17
141	Centrality and pseudorapidity dependence of the transverse energy density in pPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2019, 123, 152301.	1.1	6
142	Search for the production of W events at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 100, .	1.6	10
143	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 99, .	1.6	20
144	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	9

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145	Search for pair production of second-generation leptoquarks at $s=13\text{ TeV}$. Physical Review D, 2019, 99, .	1.6	32
146	Search for pair production of first-generation scalar leptoquarks at $s=13\text{ TeV}$. Physical Review D, 2019, 99, .	1.6	31
147	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$. European Physical Journal C, 2019, 79, 702.	1.4	33
148	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99.	1.5	6
149	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2019, 79, 564.	1.4	50
150	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 398-423.	1.5	41
151	Measurement of the top quark mass in the all-jets final state at $\sqrt{s}=13\text{ TeV}$ and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40
152	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876.	1.5	26
153	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
154	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
155	Search for anomalous production of vector boson pairs in association with two jets in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134992.	1.5	19
156	An embedding technique to determine \tilde{t}, \tilde{t}^* backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.	0.5	12
157	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$ using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
158	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $s=13\text{ TeV}$. Physical Review D, 2019, 100, .	1.6	6
159	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s}=13\text{ TeV}$ collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2019, 79, 134985.	1.4	8
160	Search for a Light Charged Higgs Boson Decaying to a W Boson and a C Boson in Final States with D Mesons in Pb-Pb Collisions at $\sqrt{s}=13\text{ TeV}$. Physical Review Letters, 2019, 123, 022001.	2.9	21
161	Search for a Light Charged Higgs Boson Decaying to a W Boson and a C Boson in Final States with D Mesons in Pb-Pb Collisions at $\sqrt{s}=13\text{ TeV}$. Physical Review Letters, 2019, 123, 022001.	2.9	17
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164	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, 795, 281-307.	1.5	36
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167	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
168	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 021801.	2.9	37
169	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.5	47
170	Measurement and interpretation of differential cross sections for Higgs boson production at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 369-396.	1.5	28
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172	Search for the pair production of light top squarks in the $e^+e^- \rightarrow t\bar{t}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
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176	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 444.	1.4	11
177	Measurements of the Higgs boson width and anomalous $H \rightarrow VV$ couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, 013001.	1.4	69
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179	Measurement of properties of the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 96-129.	1.5	44
180	Measurement of the $t\bar{t} \rightarrow t\bar{t} \gamma$ 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

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185	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, 793, 500-511.	1.4	11
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203	Search for pair-produced three-jet resonances in proton-proton collisions at $s = 13$ TeV. Physical Review D, 2019, 99, .	1.6	5
204	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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208	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
209	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.	1.1	8
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213	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.	1.4	16
214	Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, .	1.6	14
215	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 123, 241801.	2.9	23
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226	Measurement of quarkonium production cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 251-272.	1.6	31
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230	Search for Higgsino pair production in $\text{W}^+ \text{W}^-$ collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 092301.	1.6	10
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233	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.	1.5	16
234	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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237	Measurement of the inclusive $\sigma(\text{pp} \rightarrow \text{Z} \text{le} \nu)$ 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
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239	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
240	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
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247	Search for ZZ resonances in the $2\ell, 2\ell\gamma$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
248	Search for massive resonances decaying into WZ or $W\ell\nu$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	27
249	Measurement of the polarization and angular parameters in $\text{pp} \rightarrow \text{Z} \text{le} \nu$ production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
250	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.5	11
251	Measurement of the azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Nuclear Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 1-14.	1.4	14
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254	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
255	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
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257	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
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263	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .	1.6	17
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266	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
267	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 242301.	2.9	32
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272 Studies of $B^*_{(s)}$ and $B^0_{(s)}$ and $B^0_{(s)}$

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293	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
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297	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
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303	Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	2.9	70
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308	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
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310	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
311	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	13
312	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. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.5	17
313	Bose-Einstein correlations in $\pi^+ \pi^-$ and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 440-467.	1.1	29
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317	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
318	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
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323	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
324	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 082301.	2.9	48

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326	Search for top squarks and dark matter particles in opposite-charge dilepton final states at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 97, .	1.6	36
327	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 062002.	2.9	22
328	Observation of Λ_c^+ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 231801.	2.9	209
329	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
330	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 97, .	1.6	10
331	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	36
332	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
333	Measurements of the $\sigma(\text{pp} \rightarrow \text{Z} \rightarrow \text{e}^+ \text{e}^-) \times \text{BR}(\text{Z} \rightarrow \text{e}^+ \text{e}^-)$ production cross section and the $\text{BR}(\text{Z} \rightarrow \text{e}^+ \text{e}^-)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 111801.	2.9	24
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336	Search for high-mass diphoton resonances in proton-proton collisions at $\sqrt{s}=13$ 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
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344	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
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346	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
347	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
348	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{NN}}=5.02$, ext	1.4	53
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353	Measurement of the cross section for electroweak production of Z^0 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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370	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.	1.4	23
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373	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	61
374	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
375	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	32
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378	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

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382	Search for heavy gauge $W\tilde{A}\epsilon^2$ 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
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385	Search for $t\bar{t}\tilde{A}\tilde{A}$ 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, 1.	1.6	22
387	Search for $t\bar{t}\tilde{A}\tilde{A}$ 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, 1.	1.6	14
388	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.	1.6	13
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393	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
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395	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. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
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398	Measurements of the $pp \rightarrow \tau^+ W \tau^+ \tau^-$ and $pp \rightarrow Z \tau^+ \tau^-$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
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401	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
402	Search for leptophobic $Z\tau^2$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 533-558.	1.5	26
403	Search for leptophobic $Z\tau^2$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 533-558.	1.5	26
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405	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
406	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
407	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2017, 95, .	1.6	12
408	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
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410	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
411	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
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413	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
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416	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 845.	1.4	38
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418	Measurement of electroweak-induced production of $W\tilde{t}^3$ with two jets in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
419	Searches for $W\tilde{e}^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV . Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
420	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
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422	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
423	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27
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425	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	18
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427	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2017, 119, 221802.	1.5	45
428	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 315-337.	1.6	15
429	Search for top squark pair production in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
430	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
431	Measurement of the $t\bar{t}\tilde{A}^0$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
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436	Measurements of jet charge with dijet events in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
437	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
438	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
439	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
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441	Characterisation of irradiated thin silicon sensors for the CMS phase II pixel upgrade. European Physical Journal C, 2017, 77, 1.	1.4	4
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444	Search for high-mass Z^{\prime} resonances in $e^{+}e^{-}$ and $\tau^{+}\tau^{-}$ final states in proton-proton collisions at $s = 8$ TeV and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
445	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \bar{l} , leptons and two jets in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
446	Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
447	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
448	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
449	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
450	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101

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452	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
453	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
454	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
455	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
456	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
457	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
458	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
459	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 317.	1.6	73
460	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets 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
461	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
462	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
463	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, .	1.6	47
464	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
465	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
466	Measurement of the ZZ production cross section and Z $\rightarrow a_1 a_1$ branching fraction in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 280-303.	1.5	22
467	Search for parity-violating supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	9
468	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

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470	Angular analysis of the decay $B_0 \rightarrow \pi^+ \pi^- \mu^+ \mu^-$ 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
471	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
472	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
473	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
474	Search for neutral resonances decaying into a Z boson and a pair of b jets or τ leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	1.5	45
475	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	1.5	44
476	$\tilde{\rho}(nS)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	1.5	6
477	Search for lepton flavour violating decays of the Higgs boson to $e\tau$, and $e\tau$ in proton-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	1.5	44
478	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	1.5	17
479	Search for R-parity violating decays of a top squark in proton-lead collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	1.5	6
480	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
481	Search for Narrow Resonances in Dijet Final States at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 117, 031802.	2.9	74
482	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	1.4	25
483	Search for new physics in same-sign dilepton events in proton-lead collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
484	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73
485	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, 014011.	1.6	4
486	Search for vectorlike charge-conjugate top quarks 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

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488	Measurements of Λ spin correlations and top quark polarization using dilepton final states in $\sqrt{s} = 8$ TeV proton-proton collisions at the LHC. <i>Physical Review D</i> , 2016, 93, 072002. https://www.w3.org/1998/Math/MathML	1.6	30
489	Search for pair production of vectorlike quarks in $\sqrt{s} = 8$ TeV proton-proton collisions at the LHC. <i>Physical Review D</i> , 2016, 93, 074012. https://www.w3.org/1998/Math/MathML	1.6	13
490	Search for supersymmetry in $\sqrt{s} = 8$ TeV proton-proton collisions at the LHC. <i>Physical Review D</i> , 2016, 93, 072003. https://www.w3.org/1998/Math/MathML	1.6	11
491	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2016, 93, 074013. https://www.w3.org/1998/Math/MathML	1.6	41
492	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in $\sqrt{s} = 8$ TeV Proton-Proton Collisions at the LHC. <i>Physical Review D</i> , 2016, 93, 072004. https://www.w3.org/1998/Math/MathML	2.9	139
493	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2016, 93, 074014. https://www.w3.org/1998/Math/MathML	1.6	61
494	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2016, 93, 074015. https://www.w3.org/1998/Math/MathML	1.6	43
495	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2016, 93, 074016. https://www.w3.org/1998/Math/MathML	1.6	24
496	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2016, 93, 074017. https://www.w3.org/1998/Math/MathML	1.6	24
497	Measurement of the Top Quark mass using proton-proton data at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2016, 93, 072005. https://www.w3.org/1998/Math/MathML	1.6	37
498	Study of B Meson Production in $\sqrt{s} = 8$ TeV Proton-Proton Collisions at the LHC. <i>Physical Review D</i> , 2016, 93, 072006. https://www.w3.org/1998/Math/MathML	2.9	20
499	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2016, 116, 052002. https://www.w3.org/1998/Math/MathML	2.9	34
500	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 479-500. https://www.w3.org/1998/Math/MathML	1.5	6
501	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2016, 116, 052002. https://www.w3.org/1998/Math/MathML	2.9	34

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506	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02, \mathrm{TeV}$ \sqrt{s} NN. European Physical Journal C, 2016, 76, 372.	1.4	29
507	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
508	Measurement of the $t\bar{t}$ production cross section in the $e\bar{\nu}_e$ channel in proton-proton collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
509	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
510	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
511	Evidence for exclusive $\hat{t}\bar{t}W+W\hat{t}$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	42
512	Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
513	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s}=8, \mathrm{TeV}$ $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 460.	1.4	18
514	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
515	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	12
516	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	6
517	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s}=2.76, \mathrm{TeV}$ $\sqrt{s}=2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26
518	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s}=8, \mathrm{TeV}$ $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 379.	1.4	34
519	Measurement of the differential cross section and charge asymmetry for inclusive $p\bar{p} \rightarrow W^{\pm} + X$ production at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
520	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
521	Search for $W\bar{t}b$ in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	3
522	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29

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523	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
524	Search for excited leptons in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
525	Search for neutral MSSM Higgs bosons decaying to $\hat{1}/4 + \hat{1}/4$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 221-246.	1.5	12
526	Search for a low-mass pseudoscalar Higgs boson produced in association with a Z boson decaying into $\tau^+\tau^-$ with low dilepton mass in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	1.5	15
527	Search for $W\tilde{e}^2$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	18
528	Search for a low-mass pseudoscalar Higgs boson produced in association with a Z boson decaying into $\tau^+\tau^-$ with low dilepton mass in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	25
529	Search for $W\tilde{e}^2$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	14
530	Study of Z boson production in pPb collisions at $\sqrt{s} = 8.76 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 36-57.	1.5	4
531	A search for pair production of new light bosons decaying into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	1.5	59
532	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s} = 8.76 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 59-80.	1.5	27
533	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 152-180.	1.5	33
534	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 9-35.	1.5	14
535	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 128.	1.4	41
536	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
537	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 237.	1.4	30
538	Measurement of the CP-violating weak phase Γ_s and the decay width difference $\Delta\Gamma_s$ using the $B_s^0 \rightarrow B_s^{\pm} \tau^{\mp} \nu_{\tau}$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 1-10.	1.5	30
539	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 $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.5	30
540	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 $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16

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541	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
542	Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm}$ jets and $e^{\pm}\frac{1}{4}\hat{A}^{\pm}$ jets events in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
543	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2016, 116, 071801.	2.9	114
544	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{\nu}$, leptons in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
545	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 13.	1.4	62
546	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 $\hat{A}^{\pm}, \tilde{l}, \tilde{\nu}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	1.5	53
547	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
548	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
549	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
550	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and Pb collisions. Physical Review C, 2015, 92, .	1.1	140
551	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
552	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2015, 92, .	1.6	7
553	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2015, 115, 012301.	1.6	73
554	Measurement of diffractive dissociation cross sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2015, 115, 012301.	1.6	46
555	Constraints on the spin-parity and anomalous Higgs boson couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	1.6	185
556	Search for supersymmetry with photons in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2015, 92, .	1.6	7
557	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	1.6	55
558	Evidence for Collective Multiparticle Correlations in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2015, 115, 012301.	2.9	177

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559	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.5	54
560	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
561	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
562	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
563	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
564	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
565	Search for a light charged Higgs boson decaying to $c\bar{s}$ in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
566	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
567	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	1
568	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
569	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	1.6	1
570	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
571	Measurement of the $Z\tilde{\chi}^0_3$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
572	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.4	68
573	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	1.4	191
574	Measurements of the $Z\gamma Z$ production cross sections in the $2\ell 2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	1.4	32
575	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
576	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 200-224.	1.5	77

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577	Search for new resonances decaying via WZ to leptons in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. Measurement of the cross section ratio $\sigma(\text{lepton pair})/\sigma(\text{hadron pair})$ in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	1.5	52
578	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 745, 5-28.	1.5	21
579	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	1.5	57
580	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 745, 5-28.	1.5	21
581	Measurement of the cross section ratio $\sigma(\text{lepton pair})/\sigma(\text{hadron pair})$ in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	1.5	24
582	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. <i>Physical Review D</i> , 2015, 91, 054004.	1.5	15
583	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. <i>Physical Review D</i> , 2015, 91, 054004.	1.6	46
584	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. <i>European Physical Journal C</i> , 2015, 75, 251.	1.6	70
585	Search for displaced supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. <i>Physical Review Letters</i> , 2015, 114, 061801.	1.4	73
586	Search for displaced supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. <i>Physical Review Letters</i> , 2015, 114, 061801.	2.9	44
587	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. <i>Physical Review Letters</i> , 2015, 114, 051801.	2.9	60
588	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	2.9	80
589	Search for narrow high-mass resonances in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	1.6	167
590	Search for narrow high-mass resonances in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	1.6	46
591	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	78
592	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	10
593	Pseudorapidity distribution of charged hadrons in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	1.5	45
594	Search for narrow high-mass resonances in proton- \bar{p} collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, 054004.	1.5	45

#	ARTICLE	IF	CITATIONS
595	Search for dark matter, extra dimensions, and unparticles in monojet events in proton–proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
596	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	1.4	54
597	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	1.4	58
598	Study of W boson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	1.4	42
599	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $\tilde{\chi}^0$ decay using dilepton and diphoton final states in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 90, .	2.9	47
600	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 90, .	1.6	51
601	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $\tilde{\chi}^0$ decay using dilepton and diphoton final states in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 90, .	1.6	69
602	Measurement of top quark–antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	1.4	43
603	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
604	Measurement of pseudorapidity distributions of charged particles in proton–proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
605	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3036.	1.4	241
606	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204–225.	1.4	5
607	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204–225.	1.4	113
608	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	1.4	133
609	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	2.9	45
610	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 90, .	1.6	70
611	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204–225.	2.9	63
612	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204–225.	1.6	37

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613	Search for the standard model Higgs boson produced in association with a W or a Z boson and decaying to bottom quarks. Physical Review Letters, 2014, 113, 132301.	1.6	161
614	Measurement of the muon charge asymmetry in inclusive W production to bottom quarks. Physical Review Letters, 2014, 113, 132301.	1.6	83
615	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
616	Evidence of b -jet Quenching in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	2.9	85
617	Measurement of the W boson production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2014, 113, 132301.	1.6	56
618	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 89, .	1.6	40
619	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	1.6	299
620	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
621	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
622	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
623	Determination of the top quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2014, 113, 132301.	1.6	134
624	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.	1.6	169
625	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
626	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
627	DELPHES 3: a modular framework for fast simulation of a generic collider experiment. Journal of High Energy Physics, 2014, 2014, 1.	1.6	1,620
628	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	55
629	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
630	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2014, 113, 132301.	1.5	20

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632	Search for top-squark pairs decaying into Higgs or Z bosons in pp collisions at $\sqrt{s}=8\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 371-397.	1.5	57
633	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02\text{ TeV}$. European Physical Journal C, 2014, 74, 1.	1.4	75
634	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
635	Measurement of jet multiplicity distributions in $\overline{t}t$ production in pp collisions at $\sqrt{s} = 7\text{ TeV}$. European Physical Journal C, 2014, 74, 3014.	1.4	16
636	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
637	Event activity dependence of Υ (nS) production in $\sqrt{s_{NN}} = 5.02\text{ TeV}$ pPb and $\sqrt{s} = 2.76\text{ TeV}$ pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
638	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100
639	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	70
640	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
641	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
642	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
643	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2014, 74, 2758.	1.4	35
644	Probing color coherence effects in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2014, 74, 2901.	1.4	17
645	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76\text{ TeV}$. European Physical Journal C, 2014, 74, 2901.	1.4	144
646	Observation of the Associated Production of a Single Top Quark and a Higgs Boson in pp Collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2014, 74, 2901.	2.9	108
647	Measurement of the top-quark mass spectrum from $t\bar{t}$ events in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2014, 74, 2901.	1.5	112
648	Search for "supersymmetry" in pp collisions at $\sqrt{s}=8\text{ TeV}$ in events with a single lepton, large jet multiplicity, and multiple b jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 328-353.	1.5	112

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649	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. , 2014, 2014, 1.		3
650	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
651	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
652	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
653	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
654	Measurement of the $\overline{t}t$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
655	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76, \text{and } 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
656	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
657	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
658	Measurement of the W production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	88
659	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, .	1.6	24
660	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \cancel{E}_T and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
661	Measurement of the $\overline{t}t$ production cross section in the $\overline{t}t$, +jets channel in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	24
662			

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667	Measurement of the ZZ production cross section and search for anomalous couplings in $2\hat{a}, "2\hat{a}, "â€²$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
668	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or $\hat{a}\%¥3$ b-quark jets in 7 TeV pp collisions using the variable $\hat{I}\pm$ T. Journal of High Energy Physics, 2013, 2013, 1.	1.6	34
669	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 2013, 1.	1.5	41
670	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 2013, 1.	1.5	41
671	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 2013, 1.	1.5	47
672	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $2\hat{a}, "2\hat{a}, "â€²$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 718, 1208-1228.	1.5	9
673	Measurement of the prompt $2\hat{a}, "2\hat{a}, "â€²$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.5	81
674	Measurement of the prompt $2\hat{a}, "2\hat{a}, "â€²$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.		

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685	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2013, 111, 211804.	1.6	71
686	Searches for new physics using the $t\bar{t}$ -invariant mass distribution in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2013, 111, 211804.	2.9	90
687	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	1.6	58
688	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the CMS detector. Physical Review D, 2013, 87, .	1.6	115
689	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	2.9	61
690	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	1.1	185
691	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. , 2013, 2013, 1.		2
692	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 022301.	2.9	101
693	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	2.9	118
694	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	2.9	49
695	Observation of Sequential W Production in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 222301.	2.9	95
696	Observation of Sequential W Production in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 222301.	2.9	220
697	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
698	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
699	Measurement of the $Z \rightarrow b\bar{b}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
700	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
701	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
702	Search for leptonic decays of W bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	49

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703	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
704	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
705	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	69
706	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
707	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
708	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	38
709	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	1.5	6,177
710	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	35
711	Measurement of the $Z\gamma$ bosons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	108
712	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	1.6	35
713	Measurement of the underlying event in the Drellâ€“Yan process in protonâ€“proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	33
714	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in protonâ€“proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26
715	Search for heavy lepton partners of neutrinos in protonâ€“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
716	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. Physical Review Letters, 2012, 108, 111801.	2.9	63
717	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
718	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
719	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-16.	1.6	17
720	Search for the standard model Higgs boson decaying to ZZ in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 1-16.	1.6	17

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721	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 176-197.	1.5	122
722	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 176-197.	1.5	62
723	Centrality dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 176-197.	1.5	101
724	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
725	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
726	Measurement of the production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201804.	1.6	45
727	Cross Section with $\frac{d\sigma}{d\Omega} \propto B^2$ in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201804.	1.6	35
728	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, 054001.	1.1	455
729	Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 201804.	2.9	153
730	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201804.	2.9	54
731	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	1.5	118
732	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
733	Measurement of the τ production cross section in pp collisions at $\sqrt{s} = 7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	1.4	37
734	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	122
735	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
736	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	59
737	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
738	Measurement of the $m_{\tau\tau}$ 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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740	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
741	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
742	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	97
743	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	1.6	158
744	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ TeV and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	25
745	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	1.5	90
746	Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 196-218.	1.5	171
747	Measurement of $W+W^*$ production and search for the Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	1.5	108
748	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	1.5	108
749	Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 211802.	2.9	80
750	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	2.9	208
751	Search for Supersymmetry in pp Collisions at $\sqrt{s} = 7$ TeV in Events with Two Photons and Missing Transverse Energy. Physical Review Letters, 2011, 106, 211802.	2.9	47
752	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. Physical Review D, 2011, 84, .	1.6	51
753	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 211802.	2.9	125
754	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 211802.	2.9	61
755	Search for Dijet Resonances in $7\text{ TeV } pp$ Collisions at CMS [Phys. Rev. Lett. 105, 211801 (2010)]. Physical Review Letters, 2011, 106, .	2.9	9
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