

# Stefano Colafranceschi

## List of Publications by Year in descending order

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Version: 2024-02-01

704  
papers

47,165  
citations

2675

95  
h-index

3487

182  
g-index

715  
all docs

715  
docs citations

715  
times ranked

12326  
citing authors



#	ARTICLE	IF	CITATIONS
19	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 8$ TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	4.1	25
20	Search for $\tilde{\chi}_1^0 \tilde{\chi}_1^{\pm}$ production in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	4.7	12
21	Measurements of the $\tilde{t} \tilde{t}^*$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
22	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	4.7	9
23	Measurement of the $\tilde{t} \tilde{t}^*$ production cross section using events in the $\mu e \frac{1}{4}$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
24	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.	4.7	54
25	Search for electroweak production of charginos in final states with two $\tilde{l}$ , leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
26	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.	3.9	16
27	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.	3.9	37
28	Measurement of prompt and nonprompt $J/\psi$ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ , 8 TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
29	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	74
30	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\cancel{E}_T$ variable. European Physical Journal C, 2017, 77, 294.	3.9	29
31	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 80-105.	4.1	14
32	Measurement of the cross section for electroweak production of $Z\tilde{l}^3$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	34
33	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	1.2	307
34	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	4.1	35
35	Search for top quark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 13$ TeV using the $\cancel{E}_T$ variable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	15
36	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-80.	4.1	15

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37	Search for dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769.	4.1	90
38	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 137-162.	4.1	17
39	Observation of Charge-Dependent Azimuthal Correlations in Pb-Pb Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	7.8	15
40	Evidence for collectivity in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	4.1	243
41	Measurement of the Run-1 Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	7.8	62
42	Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	7.8	62
43	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	19
44	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
45	Measurement of inclusive jet cross sections in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	2.9	6
46	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s}=8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	2.9	59
47	Measurement of the jet mass in highly boosted $\overline{t}t$ events from pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 467.	3.9	52
48	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 141802.	4.7	10
49	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.	7.8	54
50	Correlations in Pb-Pb and pPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	4.7	10
51	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review Letters, 2017, 119, 111802.	7.8	32
52	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 336-358.	7.8	35
53	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.	4.1	11
54	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.	4.7	103

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55	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=8$ TeV. Search for anomalous couplings in boosted $W$ bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
56	Search for anomalous couplings in boosted $W$ bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	27
57	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 391-412.	4.1	5
58	Measurements of the charm jet cross section and nuclear modification factor in pPb collisions at $\sqrt{s}=5.02$ TeV. Search for high-mass $Z$ resonances in proton-antiproton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	4.1	20
59	Search for high-mass $Z$ resonances in proton-antiproton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 306-329.	4.1	11
60	Coherent $J/\psi$ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV with the CMS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 489-511.	4.1	17
61	Search for $t\bar{t}\tilde{A}$ 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, 2017, 1.	4.7	22
62	Search for single production of vector-like quarks decaying into a $b$ quark and a $W$ boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 634-636.	4.1	14
63	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, 759-776.	4.1	1
64	Measurement of differential cross sections for top quark pair production using the lepton+jets final state in proton-proton collisions at 13 TeV. Physical Review D, 2017, 95, .	4.7	50
65	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tilde{\chi}^0_1\tilde{\chi}^0_1$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
66	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	7.8	23
67	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	48
68	Search for anomalous $Wtb$ couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
69	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.	4.7	13
70	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 1-24.	4.1	40
71	Measurement of the semileptonic $t\bar{t}\tilde{A}$ production cross section in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
72	Mechanical stability of the CMS strip tracker measured with a laser alignment system. Journal of Instrumentation, 2017, 12, P04023-P04023.	1.2	0

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73	Search for new phenomena with the $M_{T2}$ variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	3.9	98
74	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.	4.7	14
75	Search for leptophobic $Z\alpha\alpha'$ 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.	4.1	26
76	Search for black holes and other new phenomena in high-multiplicity 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.	4.1	26
77	Search for proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 533-558.	4.1	26
78	CMS Collaboration. Nuclear Physics A, 2017, 967, 965-982.	1.5	1
79	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.	4.7	23
80	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.	4.7	14
81	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, .	4.7	12
82	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.	4.7	23
83	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	4.1	24
84	Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82
85	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
86	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 354.	3.9	23
87	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	7.8	24
88	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	95
89	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
90	Overview of large area triple-GEM detectors for the CMS forward muon upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 298-303.	1.6	3

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91	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	3.9	38
92	The Triple GEM Detector Control System for CMS forward muon spectrometer upgrade. Journal of Instrumentation, 2017, 12, P02003-P02003.	1.2	2
93	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 221802.	7.8	40
94	Measurement of electroweak-induced production of $W^3$ with two jets in pp collisions at $s = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
95	Searches for $W\epsilon^2$ 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.	4.7	8
96	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
97	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
98	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
99	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
100	Principal-component analysis of two-particle azimuthal correlations in PbPb and pp collisions at CMS. Physical Review C, 2017, 96, 014907.	4.7	18
101	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 221802.	4.1	45
102	Search for a heavy composite Neutrino Elementary Particle and Single Energy Neutrino at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2017, 775, 2315-2327.	4.7	31
103	Search for top squark pair production in pp collisions at $s = 13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
104	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
105	Measurement of the $t\bar{t}\hat{A}^-$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	5
106	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	3.9	57
107	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.		

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109	Search for top quark partners with charge $5/3$ in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	3
110	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
111	Measurements of jet charge with dijet events in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
112	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
113	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
114	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
115	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	41
116	Search for new phenomena with multiple charged leptons in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 1.	3.9	2
117	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $s = 13 \sqrt{s}=13 \text{ TeV}$ . European Physical Journal C, 2017, 77, 636.	3.9	38
118	Search for high-mass $Z\gamma$ resonances in $e^+e^- \rightarrow \gamma \gamma$ and $\gamma \gamma$ final states in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
119	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying $\tau$ , leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
120	Search for CP violation in $t \bar{t} \rightarrow t \bar{t} \gamma$ production and decay in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
121	Measurement of the triple-differential dijet cross section in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
122	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
123	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
124	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
125	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	1.2	348
126	Measurements of the associated production of a Z boson and b jets in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$ . European Physical Journal C, 2017, 77, 751.	3.9	30



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127	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.	4.7	11
128	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.	4.7	23
129	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.	4.7	18
130	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.	3.9	55
131	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.	3.9	74
132	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	3.9	33
133	Reconstruction and identification of $\tilde{l}, \tilde{l}'$ decays to hadrons and $\tilde{l}, \tilde{l}'$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
134	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, .	4.7	73
135	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	4.1	25
136	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.	4.7	17
137	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.	3.9	16
138	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, .	4.7	47
139	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.	4.7	5
140	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at 7 TeV. Physical Review D, 2016, 94, .	4.7	5
141	Measurement of the ZZ production cross section and Z $\rightarrow \tau\tau$ branching fraction in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.1	22
142	Searches for parity-violating supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 94, .	4.7	9
143	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, .	4.7	24
144	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	4.1	6

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145	Fiber Bragg Grating (FBG) sensors as flatness and mechanical stretching sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 493-495.	1.6	2
146	Angular analysis of the decay $B_0 \rightarrow K_S^0 \ell^+ \ell^-$ from pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	4.1	87
147	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.	4.7	31
148	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.	4.7	27
149	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.	4.7	7
150	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau$ , leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	4.1	45
151	Measurement of the $\Lambda$ polarization in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	4.1	6
152	$\Lambda$ (nS) polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	4.1	6
153	Search for lepton flavour violating decays of the Higgs boson to $e\tau$ , and $e\mu$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	4.1	44
154	Measurement of the inelastic cross section in proton-proton lead collisions at $\sqrt{s} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	4.1	17
155	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	4.1	6
156	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.	4.7	13
157	Search for Narrow Resonances in Dijet Final States at $\sqrt{s} = 8$ TeV. The Novel CMS Technique of Data Scouting. Physical Review Letters, 2016, 117, 031802.	7.8	74
158	Radiation tests of real-sized prototype RPCs for the Phase-2 Upgrade of the CMS Muon System. Journal of Instrumentation, 2016, 11, C08008-C08008.	1.2	5
159	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	3.9	25
160	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	3.9	64
161	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 117, 051802.	7.8	73
162	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, .	4.7	4



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182	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16
183	Search for dark matter particles in proton-proton collisions at $\sqrt{s} = 8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4
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186	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 372.	3.9	29
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194	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.	3.9	18
195	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
196	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
197	Measurement of the mass of the top quark in decays with a $J/\psi$ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
198	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	3.9	26

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200	Measurement of the differential cross section and charge asymmetry for inclusive $\text{p} \rightarrow \text{W}^{\pm} + \text{X}$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
201	Observation of top quark pairs produced in association with a vector boson in $\text{pp}$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23
202	Search for $\text{W} \rightarrow \text{t} \text{b}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
203	Correlations between jets and charged particles in PbPb and $\text{pp}$ collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
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219	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
220	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
221	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	4.1	43
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225	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
226	Search for heavy Majorana neutrinos in $e^+e^-$ jets and $e^+e^- \rightarrow \mu^+\mu^-$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
227	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 116, 071801.	7.8	114
228	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $l\bar{l}$ , leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
229	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 13.	3.9	62
230	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 $h \rightarrow \tau^+\tau^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	4.1	53
231	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.	4.1	13
232	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
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236	Performance of the gas gain monitoring system of the CMS RPC muon detector. Journal of Instrumentation, 2015, 10, C01003-C01003.	1.2	0
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238	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$ . Physical Review D, 2015, 92, .	4.7	43
239	Production of leading charged particles and leading charged-particle jets at small transverse momenta in $pp$ collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	4.7	7
240	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 91, .	4.7	73
241	Study of final-state radiation in decays of Z bosons produced in $pp$ collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, .	4.7	5
242	Measurement of diffractive dissociation cross sections in $pp$ collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	4.7	46
243	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, .	4.7	185
244	Search for supersymmetry with photons in $pp$ collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 92, .	4.7	7
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249	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of Instrumentation, 2015, 10, P08010-P08010.	1.2	168
250	Performance of the CMS missing transverse momentum reconstruction in $pp$ data at $\sqrt{s}=8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	1.2	93
251	Charged particle detection performance of Gas Electron Multiplier (GEM) detectors for the upgrade of CMS endcap muon system at the CERN LHC. , 2015, , .		2
252	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in $pp$ collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54

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254	Search for third-generation scalar leptoquarks in the $t\bar{t}$ , channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
255	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	4.1	193
256	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	4.1	63
257	Search for heavy Majorana mediators in $t\bar{t}$ + jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 120-127.	4.1	68
258	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.	4.7	34
259	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.	4.7	37
260	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.	4.7	20
261	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
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267	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, 484-518.		
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270	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.	3.9	541



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272	Measurement of the $Z\tilde{\chi}^0_1$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	11
273	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. <i>European Physical Journal C</i> , 2015, 75, 186.	3.9	68
274	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 542.	3.9	191
275	Measurements of the $Z\tilde{\chi}^0_1$ production cross sections in the $2\mu$ channel in proton-proton collisions at $\sqrt{s} = 7$ and $8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 511.	3.9	32
276	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 749, 187-209.	4.1	63
277	Comparison of the $Z\tilde{\chi}^0_1 + \text{jets}$ to $\tilde{\chi}^0_1 + \text{jets}$ cross sections in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	6
278	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	30
279	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 742, 200-224.	4.1	77
280	Search for new resonances decaying via $WZ$ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 740, 69-104.	4.1	10
281	Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 383-402.	4.1	52
282	Measurement of the production cross section ratio $\Gamma(\tilde{\chi}^0_2(1P))/\Gamma(\tilde{\chi}^0_1(1P))$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 383-402.	4.1	57
283	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 503-525.	4.1	16
284	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.	4.1	18
285	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 744, 184-207.	4.1	67
286	Measurement of the cross section ratio $\sigma(\tilde{\chi}^0_2 \rightarrow \tilde{\chi}^0_1 \gamma)/\sigma(\tilde{\chi}^0_1 \rightarrow \tilde{\chi}^0_1 \gamma)$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 745, 5-28.	4.1	21
287	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 744, 184-207.	4.1	24
288	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 744, 184-207.	4.1	15

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289	Measurements of jet multiplicity and differential production cross sections of $Z \rightarrow \mu\mu + \text{jets}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.7	46
290	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.7	90
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292	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 101801.	7.8	36
293	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
294	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	7.8	44
295	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \tau^+ \tau^-$ in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 051801.	7.8	60
296	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	7.8	80
297	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	4.7	167
298	Search for supersymmetry using razor variables in events with $b$ -tagged jets in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	4.7	46
299	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
300	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	3.9	88
301	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	3.9	44
302	Measurement of the W boson helicity in events with a single reconstructed top quark in $pp$ collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
303	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow K^* \mu^+ \mu^-$ and $B \rightarrow K^* \tau^+ \tau^-$ in $pp$ collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 051801.	4.7	17
304	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
305	Study of Z production in PbPb and $pp$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
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308	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.	4.7	10
309	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 751, 143-163.	4.1	45
310	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 2.76$ TeV decaying to a Z and a Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 748, 255-277.	4.1	45
311	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 235.	3.9	320
312	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. <i>European Physical Journal C</i> , 2015, 75, 288.	3.9	54
313	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2015, 75, 237.	3.9	58
314	Study of W boson production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2015, 75, 237.	3.9	58
315	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 2.76$ TeV decaying to a Z and a Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 748, 255-277.	4.1	34
316	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2015, 75, 302.	3.9	6
317	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 325.	3.9	43
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319	Web-based monitoring tools for Resistive Plate Chambers in the CMS experiment at CERN. <i>Journal of Instrumentation</i> , 2014, 9, C10031-C10031.	1.2	0
320	CMS RPC commissioning of the existing detector during the long shutdown. <i>Journal of Instrumentation</i> , 2014, 9, C10043-C10043.	1.2	0
321	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review D</i> , 2014, 90, .	7.8	47
322	Searches for heavy Higgs bosons in two-Higgs-doublet models and $\tilde{\chi}_1^0 \rightarrow \gamma \tilde{\chi}_1^0$ decay using multilepton and diphoton final states in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2014, 90, .	4.7	51
323	Searches for electroweak neutralino and chargino production in channels with Higgs bosons in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review D</i> , 2014, 90, .	4.7	15
324	Searches for electroweak neutralino and chargino production in channels with Higgs bosons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2014, 90, .	4.7	69

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326	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.	3.9	43
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447	Search for anomalous production of highly boosted Z bosons decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.		

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458	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.	4.1	89

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474	Search for $Z \rightarrow \tau \tau$ resonances decaying to $\tau \tau$ dilepton + jets final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Physical Review D, 2013, 87, .	4.7	34
475	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ with the CMS detector. Physical Review D, 2013, 87, .	4.7	115
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477	Search for fractionally charged particles in $pp$ collisions at $\sqrt{s} = 7 \text{ TeV}$ with the CMS detector. Physical Review D, 2013, 87, .	4.7	12
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480	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ . Physical Review Letters, 2013, 110, 042301.	7.8	118
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521	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
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544	Measurement of the top-quark mass in $\overline{t}t$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
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562

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