

Ignazio Lazzizzera

List of Publications by Year in descending order

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541
papers

40,656
citations

2963

93
h-index

3903

177
g-index

548
all docs

548
docs citations

548
times ranked

12611
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192
3	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	1.5	520
4	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	0.5	508
5	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
6	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, 710, 26-48.	1.5	470
7	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	0.5	467
8	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, .	1.1	455
9	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	0.5	418
10	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2010, 105, 022002.	2.9	400
11	Electron and Positron Fluxes in Primary Cosmic Rays Measured with the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 121102.	2.9	397
12	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	0.5	380
13	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
14	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	1.5	354
15	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
16	Observation of $B_s^0 \rightarrow B^0$ oscillations. Physical Review Letters, 2006, 97, 242003.	2.9	311
17	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ branching fraction and search for a narrow near-threshold structure in the $B \rightarrow D^* \ell \bar{\nu}_\ell$ decay. Physical Review Letters, 2009, 102, 242002.	2.9	282
18	Mass spectrum in $B \rightarrow D^* \ell \bar{\nu}_\ell$ decays. Physical Review Letters, 2009, 102, 242002.	2.9	275

#	ARTICLE	IF	CITATIONS
19	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $Z\gamma$ Boson Pairs. Physical Review Letters, 2013, 110, 081803.	2.9	270
20	Evidence for a mass dependent forward-backward asymmetry in top quark pair production. Physical Review D, 2011, 83, .	1.6	238
21	Precision Measurement of the α_s using $e^+e^- \rightarrow Z\gamma^* \rightarrow \mu^+\mu^-$ at the Alpha Magnetic Spectrometer on the International Space Station. Physical Review Letters, 2014, 113, 221102.	2.9	238
22	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using lepton+jets events with secondary vertex b-tagging. Physical Review D, 2005, 71, .	1.6	231
23	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
24	Observation of Sequential γ Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	2.9	220
25	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	2.9	208
26	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
27	Observation of Electroweak Single Top-Quark Production. Physical Review Letters, 2009, 103, 092002.	2.9	199
28	Analysis of the Quantum Numbers of the $X(3872)$ Particle. Physical Review Letters, 2007, 98, 132002.	2.9	193
29	Polarizations of J/ψ and Υ and χ_{c0} and χ_{c1} in pp collisions at $\sqrt{s} = 0.74$ TeV. Physical Review Letters, 2007, 98, 132002.	2.9	192
30	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	1.4	188
31	Forward-Backward Asymmetry in Top-Quark Production in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 100, 161802.	2.9	187
32	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
33	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
34	First Flavor-Tagged Determination of Bounds on Mixing-Induced CP Violation in $B \rightarrow D^* \mu^+ \mu^-$ Decays. Physical Review Letters, 2008, 100, 161802.	2.9	179
35	Search for $B_s \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$ Decays with 2fb^{-1} of pp Collisions. Physical Review Letters, 2008, 100, 101802.	2.9	171
36	Search for new particles decaying into dijets in proton-antiproton collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2009, 79, .	1.6	171

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37	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
38	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
39	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
40	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	168
41	Jet momentum 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	161
42	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
43	Observation of Exclusive Charmonium Production and Collisions at $\sqrt{s} = 2.9$ TeV. Physical Review Letters, 2011, 107, 052302.	2.9	153
44	Indications of Suppression of Excited Charmonium States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.	2.9	153
45	Measurement of the inclusive jet cross section at the Fermilab Tevatron collider using a cone-based jet algorithm. Physical Review D, 2008, 78, .	1.6	149
46	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	1.5	148
47	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{T} and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
48	Measurement of the $B_s^0 \rightarrow B_s^- \mu^+ \mu^-$ Oscillation Frequency. Physical Review Letters, 2006, 97, 062003.	2.9	141
49	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
50	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
51	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	1.3	133
52	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	1.5	130
53	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	129
54	Search for Dijet Resonances in $\sqrt{s} = 7$ TeV Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126

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55	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	2.9	126
56	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	2.9	125
57	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	125
58	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. Physical Review D, 2006, 73, .	1.6	124
59	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
60	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
61	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, 713, 68-90.	1.5	122
62	Observation of the Baryonic Flavor-Changing Neutral Current Decay $\Lambda_b^0 \rightarrow \Lambda^0 \tau^+ \tau^-$. Physical Review Letters, 2011, 107, 201802.	2.9	121
63	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
64	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	1.5	120
65	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
66	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
67	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
68	First Measurement of the Differential Cross Section $d\sigma/dM_{t\bar{t}}$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 222003.	2.9	115
69	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
70	Measurement of the inclusive jet cross section using the k _T algorithm in pp collisions at $\sqrt{s} = 1.96$ TeV with the CDF II detector. Physical Review D, 2007, 75, .	1.6	114
71	Combination of Tevatron Searches for the Standard Model Higgs Boson in the $W\gamma$ and WZ Channels. Physical Review Letters, 2012, 109, 261802.	2.9	114
72	Measurement of jet fragmentation in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 90, .	1.1	113

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73	Observation of the Associated Production of a Single Top Quark and a Charged Higgs Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2008, 100, 182002.	1.5	112
74	Observation of the Decay $\chi_{c1} \rightarrow \gamma \chi_{c0}$. Physical Review Letters, 2008, 100, 182002.	1.5	110
75	Observation of the Associated Production of a Single Top Quark and a Charged Higgs Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2008, 100, 182002.	2.9	108
76	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36,$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	2.9	108
77	Search for Charged Higgs Bosons from Top Quark Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 042003.	2.9	105
78	Measurement of the $B_c \rightarrow \gamma \chi_{c1}$ Decay. Physical Review Letters, 2008, 100, 121802.	2.9	106
79	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36,$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	106
80	Observation of the Heavy Baryons Λ_c^+ and Σ_c^+ . Physical Review Letters, 2007, 99, 202001.	2.9	105
81	Search for Charged Higgs Bosons in Decays of Top Quarks in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 042003.	2.9	103
82	Search for Charged Higgs Bosons from Top Quark Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 103, 101803.	2.9	102
83	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	0.5	102
84	Evidence for $\chi_{c1} \rightarrow \gamma \chi_{c0}$. Physical Review Letters, 2008, 100, 121802.	2.9	100
85	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100
86	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
87	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
88	Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ$. Physical Review Letters, 2008, 100, 121802.	2.9	97
89	Production in $W \rightarrow \mu \nu$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2008, 100, 121802.	2.9	95
90	Search for supersymmetry in hadronic final states using M T2 in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	95

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91	Measurement of the $W+W\gamma$ 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, 699, 424-443.	2.9	94
92	Direct measurement of the W production cross sections in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 424-443.	2.9	91
93	Search for the standard model Higgs boson decaying to WW in the fully leptonic final state in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 424-443.	1.6	88
94	Search for High-Mass Resonances Decaying to Dimuons at CDF. Physical Review Letters, 2009, 102, 091805.	2.9	87
95	Observation and Mass Measurement of the Baryon Λ_b^0 . Physical Review Letters, 2007, 99, 052002.	2.9	86
96	Yang-Mills theories in the light-cone gauge. Physical Review D, 1985, 31, 2012-2019.	1.6	85
97	Measurement of jet fragmentation into charged particles in pp and $PbPb$ collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
98	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	6.0	85
99	Evidence of b -jet Quenching in $PbPb$ Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85
100	Study of double parton scattering using $W+2$ -jet events in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
101	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s}=5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
102	Measurement of Inclusive Jet Cross Sections in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85
103	Production of Z bosons and W bosons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85
104	Production of Z bosons and W bosons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85
105	Production of Z bosons and W bosons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85
106	Production of Z bosons and W bosons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85
107	Production of Z bosons and W bosons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85
108	Production of Z bosons and W bosons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 113, 102301.	2.9	85

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109	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
110	Study of W boson production in PbPb and pp collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	1.5	83
111	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	1.6	83
112	Measurement of Bottom-Quark Hadron Masses in Exclusive J/ψ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 082002.	2.9	82
113	Transverse Energy Produced in Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 100, 082001.	2.9	81
114	J/ψ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
115	Observation of Orbitally Excited B_c Mesons. Physical Review Letters, 2008, 100, 082001.	1.5	81
116	Observation of Orbitally Excited B_c Mesons. Physical Review Letters, 2008, 100, 082001.	2.9	80
117	Study of Z Boson Production in PbPb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	2.9	80
118	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	1.5	79
119	Observation of single top quark production and measurement of $ V_{tb} $ with CDF. Physical Review D, 2010, 82, .	1.6	77
120	Determination of the top-quark pole mass and strong coupling constant from the top-quark production cross section in pp collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
121	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	1.6	76
122	Evidence for the Exclusive Decay $B_c \rightarrow J/\psi \Lambda$ and Measurement of the Mass of the B_c Meson. Physical Review Letters, 2006, 96, 082002.	2.9	76
123	Inclusive and differential measurements of the W-boson production in association with jets in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 100, 082001.	1.6	76
124	Inclusive and differential measurements of the W-boson production in association with jets in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 100, 082001.	1.6	76
125	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	1.5	76
126	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	1.5	76

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127	Search for Top-Quark Partners with Charge $5/3$ in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	2.9	76
128	Study of exclusive two-photon production of $W+W\hat{A}$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
129	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75
130	Search for New Bottomlike Quark Pair Decays $Q\bar{Q}$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.		

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145	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
146	Search for microscopic black hole signatures at the Large Hadron Collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 434-453.	1.5	65
147	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	2.9	65
148	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
149	Measurement of the $W+W\tilde{a}$ Production Cross Section and Search for Anomalous $WW\tilde{a}$ and WWZ Couplings in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 29201801.	1.6	64
150	Measurement of the $W+W\tilde{a}$ Production Cross Section and Search for Anomalous $WW\tilde{a}$ and WWZ Couplings in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 29201801.	2.9	64
151	Measurement of the sum of WW and WZ production with W +dijet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2283.	1.4	64
152	Search for Neutral Higgs Bosons of the Minimal Supersymmetric Standard Model Decaying to $\tau\tau$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 96, 011802.	2.9	63
153	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, 156-179.	2.9	63
154	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
155	Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	2.9	63
156	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, 710, 284-296.	2.9	62
157	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, 710, 284-296.	1.4	62
158	Measurement of the $W+W\tilde{a}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\tilde{a}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	2.9	61
159	Measurement of the $W+W\tilde{a}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\tilde{a}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	2.9	61
160	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B_d \rightarrow \tau^+ \tau^-$ Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 032003.	2.9	60
161	Search for the Flavor-Changing Neutral-Current Decay $B_s \rightarrow \tau^+ \tau^-$ and $B_d \rightarrow \tau^+ \tau^-$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 032003.	2.9	60
162	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 122003.	2.9	60

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163	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	1.4	60
164	Search for Exclusive $\hat{t}\hat{t}^3$ Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 99, 242002.	2.9	59
165	Search for High-Mass e^+e^- Production in Hadron-Hadron Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2009, 102, 151801.	2.9	59
166	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	0.5	59
167	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	0.5	59
168	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	59
169	Search for a Techni-like Quark with Charge Minimization. Physical Review Letters, 2009, 102, 151802.	2.9	59
170	Search for Long-Lived Massive Charged Particles in $1.96 \text{ TeV } pp^{\text{coll}}$ Collisions. Physical Review Letters, 2009, 103, 021802.	2.9	58
171	Search for anomalous $\overline{t}t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
172	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
173	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
174	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	1.6	58
175	Search for Top-Quark Production via Flavor-Changing Neutral Currents in W Jet Events at CDF. Physical Review Letters, 2009, 102, 151801.	2.9	57
176	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	0.5	57
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182	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	56
183	Exclusive $\text{t}\bar{\text{t}} + \text{t}\bar{\text{t}} + \text{t}\bar{\text{t}} + \text{t}\bar{\text{t}}$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	56
184	Measurement of the ratio of inclusive jet cross sections using the anti- k_T algorithm with radius parameters R and R_{eff} . Journal of High Energy Physics, 2012, 2012, 1.	1.6	56
185	Event activity dependence of $\text{t}\bar{\text{t}}$ production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
186	Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 408-433.	1.5	56
187	Measurement of masses in the $\text{t}\bar{\text{t}}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
188	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
189	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 141803.	2.9	54
190	Search for Heavy Bottom-like Quarks Decaying to an Electron or Muon and Jets in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 141803.	2.9	54
191	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 261-266.	1.5	54
192	Measurement of the $\text{t}\bar{\text{t}}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2010, 2010, 1.	1.6	54

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200	Measurement of the $\overline{t}t$ 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
201	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
202	Search for exclusive or semi-exclusive $\hat{\gamma}\hat{\gamma}$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	51
203	Measurements of total absolute cross sections for 0.2-100 eV electrons on H ₂ . Journal of Physics B: Atomic and Molecular Physics, 1980, 13, 2839-2848.	1.6	50
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205	Studying the underlying event in Drell-Yan and high transverse momentum jet production at the Tevatron. Physical Review D, 2010, 82, .	1.6	50
206	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B \rightarrow \tau^+ \tau^-$ Decays in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 1501802.	2.9	50
207	Measurements of Direct CP and P Violating Asymmetries in Charmless Decays of Strange Bottom Mesons and Bottom Baryons. Physical Review Letters, 2011, 106, 181802.	2.9	50
208	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
209	Measurement of the Inclusive Jet Cross Section Using the k _T Algorithm in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 122001.	2.9	49
210	First run II measurement of the W boson mass at the Fermilab Tevatron. Physical Review D, 2008, 77, .	1.6	49
211	Measurement of the properties of the W boson and measurement of the properties of the W boson and measurement of the properties of the W boson. Physical Review Letters, 2011, 106, 181802.	1.6	49
212	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s}=0.9$ and 2.36 TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	2.9	49
213	Measurement of the W boson in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 181802.	2.9	49
214	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	49
215	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
216	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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217	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
218	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.	2.9	48
219	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
220	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
221	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
222	Search for Top Squarks in Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets. Physical Review Letters, 2013, 111, 221801.	2.9	47
223	First Measurement of the W-Boson Mass in Run II of the Tevatron. Physical Review Letters, 2007, 99, 151801.	2.9	46
224	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
225	Measurement of the Polarization of the W Bosons with Large Transverse Momenta in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 021802.	2.9	46
226	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	46
227	Measurement of the B^+ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1960$ GeV. Physical Review D, 2007, 75, .	1.6	45
228	Measurement of the Single-Top-Quark Production Cross Section at CDF. Physical Review Letters, 2008, 101, 252001.	2.9	45
229	Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays Involving τ , Leptons. Physical Review Letters, 2008, 101, 121801.	2.9	45
230	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 021802.	1.6	45
231	Measurement of the $t\bar{t}$ spin correlation in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 021802.	1.6	45
232	Measurement of the Forward-Backward Asymmetry in the $B^0 \rightarrow K^* \ell^+ \ell^-$ Decay and First Observation of the $B_s^0 \rightarrow \tau^+ \tau^-$ Decay. Physical Review Letters, 2011, 106, 161801.	2.9	45
233	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	1.5	45
234	Angular analysis and branching fraction measurement of the decay $B^0 \rightarrow K^* \tau^+ \tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	1.5	45

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236	Measurement of the inclusive jet cross section in $pp\bar{\Lambda}^{-}$ interactions at $\sqrt{s}=1.96\text{ TeV}$ using a cone-based jet algorithm. Physical Review D, 2006, 74, .	1.6	44
237	Observation of New Charmless Decays of Bottom Hadrons. Physical Review Letters, 2009, 103, 031801.	2.9	44
238	Measurement of the inclusive isolated prompt photon cross section in $pp\bar{\Lambda}^{-}$ collisions at the CDF detector. Physical Review D, 2009, 80, .	1.6	44
239	Search for microscopic black holes in pp collisions at $\sqrt{s}=8\text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
240	Inclusive Search for Supersymmetry Using Razor Variables in $pp\bar{\Lambda}^{-}$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review Letters, 2006, 97, 171802.	2.9	44
241	Search for Large Extra Dimensions in the Production of Jets and Missing Transverse Energy in $pp\bar{\Lambda}^{-}$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review Letters, 2006, 97, 171802.	2.9	43
242	Search for Higgs Bosons Predicted in Two-Higgs-Doublet Models via Decays to Tau Lepton Pairs in $pp\bar{\Lambda}^{-}$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review Letters, 2009, 103, 201801.	2.9	43
243	Measurement of $B(\tau^{+}\bar{W}b)/B(\tau^{+}\bar{W}q)$ at the Collider Detector at Fermilab. Physical Review Letters, 2005, 95, 102002.	2.9	42
244	Production of $\bar{\Lambda}^{-}$ mesons in $pp\bar{\Lambda}^{-}$ collisions at 1.96 TeV . Physical Review D, 2009, 80, .	1.6	42
245	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	42
246	Measurement of the top quark mass using template methods on dilepton events in $pp\bar{\Lambda}^{-}$ collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review D, 2006, 73, .	1.6	41
247	Inclusive Search for New Physics with Like-Sign Dilepton Events in $pp\bar{\Lambda}^{-}$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review Letters, 2007, 98, 221803.	2.9	41
248	Search for Resonant $t\bar{t}$ Production in $pp\bar{\Lambda}^{-}$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review Letters, 2007, 98, 221803.	2.9	41
249	Search for Stopped Gluinos in $pp\bar{\Lambda}^{-}$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review Letters, 2011, 106, 011801.	2.9	41
250	Search for Stopped Gluinos in $pp\bar{\Lambda}^{-}$ Collisions at $\sqrt{s}=1.96\text{ TeV}$. Physical Review Letters, 2011, 106, 011801.	2.9	41
251	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
252	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41

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254	Search for fractionally charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	41
255	Search for the Decays $B(s) \rightarrow e^+ \mu^- \nu_e$ and $B(s) \rightarrow e^+ e^- \nu_e$ in CDF Run II. Physical Review Letters, 2009, 102, 201801.2.9	2.9	40
256	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
257	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2014, 89, .	1.6	40
258	Measurement of Lifetime and Decay-Width Difference in $B_s \rightarrow J/\psi \mu^+ \mu^-$ Decays. Physical Review Letters, 2008, 100, 121803.	2.9	39
259	Measurement of $W\bar{Z}$ and $Z\bar{Z}$ production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	1.5	39
260	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	39
261	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
262	Measurement of the $Z\bar{Z}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
263	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
264	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma, 2\gamma, \gamma\gamma$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
265	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
266	Measurement of Partial Widths and Search for Direct CP Violation in D^0 Meson Decays to $K^+ K^-$ and $\pi^+ \pi^-$. Physical Review Letters, 2005, 94, 122001.	2.9	38
267	Measurement of the charge ratio of atmospheric muons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 83-104.	1.5	38
268	Inclusive Search for Standard Model Higgs Boson Production in the WW Decay Channel Using the CDF II Detector. Physical Review Letters, 2010, 104, 061803.	2.9	38
269	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
270	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

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272	Search for electroweak single-top-quark production in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	37
273	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	0.5	37
274	Top Quark Mass Measurement in the $pp \rightarrow t\bar{t} + \text{lepton} + \text{jets}$ Channel Using a Matrix Element Method and In Situ Jet Energy Calibration. Physical Review Letters, 2010, 105, 252001.	2.9	37
275	Measurement of the $\sigma(\text{pp} \rightarrow \tau^+\tau^-)$ 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
276	First Search for Multijet Resonances in $pp \rightarrow \text{multijet} + \text{lepton} + \text{jet}$ Collisions. Measurement of the $\sigma(\text{pp} \rightarrow W + \text{jet})$ cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 041801.	2.9	37
277	Measurement of the $\sigma(\text{pp} \rightarrow W + \text{jet})$ cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 041801.	1.6	37
278	Measurement of the $\sigma(\text{pp} \rightarrow Z + \text{jet})$ cross section for a Z boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 041801.	1.6	37
279	The HEPD particle detector of the CSES satellite mission for investigating seismo-associated perturbations of the Van Allen belts. Science China Technological Sciences, 2018, 61, 643-652.	2.0	37
280	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	0.5	36
281	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	36
282	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 348-368.	1.5	36
283	Search for heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.5	36
284	Limits on the production of narrow W resonances in $pp \rightarrow W + \text{jet}$ collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84, .	1.6	35
285	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	0.5	35
286	Measurement of the $\sigma(\text{pp} \rightarrow B_s^0 + \text{jet})$ cross section with $B_s^0 \rightarrow \mu^+\mu^-$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84, .	1.6	35
287	Measurement of the $\sigma(\text{pp} \rightarrow Z + \text{jet})$ cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84, .	1.6	35
288	Measurement of the top-quark mass in all-jets $\text{pp} \rightarrow t\bar{t} + \text{jets}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35

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290	Measurement of the τ -production cross section in $\sqrt{s}=1.96$ TeV using lepton plus jets events with semileptonic decays to muons. Physical Review D, 2005, 72, .	1.6	34
291	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	0.5	34
292	Search for Three-Jet Resonances in $\sqrt{s}=1.96$ TeV Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 101803.	2.9	34
293	Search for Z decays to four leptons with the CMS detector at the LHC. Physical Review Letters, 2011, 106, 121801.	2.9	34
294	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
295	Search for microscopic black holes in pp collisions at $\sqrt{s} = \sqrt{7}$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
296	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b -quark jets in 7 TeV pp collisions using the variable \hat{t} . Journal of High Energy Physics, 2013, 2013, 1.	1.6	34
297	Search for Z resonances decaying to dilepton+jet final states in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87.	1.6	34
298	Search for Z resonances decaying to dilepton+jet final states in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87.	1.6	34
299	Search for Z resonances decaying to dilepton+jet final states in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87.	2.9	33
300	Combined Tevatron upper limit on \hat{t}^*W+W^* and constraints on the Higgs boson mass in fourth-generation fermion models. Physical Review D, 2010, 82, .	1.6	33
301	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	33
302	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
303	Measurement of W^3 and Z^3 Production in $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 041803.	2.9	32
304	Search for Supersymmetry with Gauge-Mediated Breaking in Diphoton Events with Missing Transverse Energy at CDF II. Physical Review Letters, 2010, 104, 011801.	2.9	32
305	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
306	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

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307	Search for a Heavy Toplike Quark in $pp \rightarrow p + \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2011, 107, 261801.	2.9	32
308	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
309	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2674.	1.4	32
310	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	0.5	32
311	Precision Top-Quark Mass Measurement in the Lepton+Jets Topology in $pp \rightarrow \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2006, 96, 022004.	2.9	31
312	Measurement of the Hadron Lifetimes in Exclusive Decays Containing J/ψ in $pp \rightarrow \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2011, 84, 012004.	2.9	31
313	Search for new particles leading to $Z + \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2011, 84, 012004.	1.6	31
314	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
315	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
316	Search for new particles leading to $Z + \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2011, 84, 012004.	1.6	30
317	Search for Pair Production of Supersymmetric Topi Quarks in Dilepton Events from $pp \rightarrow \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2010, 104, 251801.	1.6	30
318	Search for a Heavy Bottomlike Quark in $pp \rightarrow \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2010, 104, 251801.	2.9	30
319	Measurement of W-Boson Polarization in Top-Quark Decay in $pp \rightarrow \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2010, 105, 042002.	2.9	30
320	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9 \text{ TeV}$ and 7 TeV . Journal of High Energy Physics, 2011, 2011, 1.	1.6	30
321	Search for a Heavy Bottomlike Quark in $pp \rightarrow \text{Collisions at } \sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2010, 104, 251801.	1.5	30
322	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
323	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
324	Measurement of the W-boson helicity in top-quark decays from W -boson production in lepton+jets events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30

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325	Measurement of the top pair production cross section in the dilepton decay channel in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	1.6	29
326	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	29
327	Search for physics beyond the standard model using multilepton signatures in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 061803.	1.5	29
328	Search for a Fermiophobic Higgs Boson Decaying into Diphotons in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 061803.	2.9	28
329	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, 722, 273-294.	1.5	28
330	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2005, 71, .	1.6	27
331	Searches for direct pair production of supersymmetric top and supersymmetric bottom quarks in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 76, .	1.6	27
333	Search for WW and WZ Resonances Decaying to Electron, Missing ET, and Two Jets in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 104, 241801.	2.9	27
334	Search for a heavy gauge boson in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.5	27
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341	Search for three-jet resonances in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.	1.5	26
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358	Evidence for $t\hat{t}$ production and measurement of $\sigma(t\hat{t})/\sigma(t\bar{t})$. Physical Review D, 2011, 84, .	1.6	24
359	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
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364	Search for the Production of Scalar Bottom Quarks in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 081802.	2.9	23
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446	Measurement of the fraction of $t\bar{t}$ production via gluon-gluon fusion in $pp \rightarrow t\bar{t} \chi_{1,2}^0 \chi_{1,2}^\pm$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2009, 79, .	1.6	12
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449	Measurement of the $t\bar{t}$ cross section in $pp \rightarrow t\bar{t} \chi_{1,2}^0 \chi_{1,2}^\pm$ collisions at $\sqrt{s} = 1.96$ TeV using dilepton events with a lepton plus track selection. Physical Review D, 2009, 79, .	1.6	12
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484	Measurement of Z^0 production in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2010, 82, .	1.6	8
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491	Search for exotic $S=2$ baryons in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 75, .	1.6	7
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