

Patrizia Azzi

List of Publications by Year in descending order

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Version: 2024-02-01

1,063
papers

66,386
citations

1163

111
h-index

1895

208
g-index

1084
all docs

1084
docs citations

1084
times ranked

14053
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 Top Quark Production in $p\bar{p}$ Collisions with the Collider Detector at Fermilab. Physical Review Letters, 1995, 74, 2626-2631.	2.9	1,240
4	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7, 8$ TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	2.9	1,062
5	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	1.4	683
6	Measurement of the J/ψ meson and b -hadron production cross sections in pp collisions at $\sqrt{s} = 1960$ GeV. Physical Review D, 2005, 71, .	1.6	624
7	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
8	Observation of the Narrow State $X(3872)$ in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 072001.	2.9	531
9	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	0.5	508
10	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
11	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
12	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	2.9	457
13	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	0.5	467
14	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, .	1.1	455
15	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
16	Identification of b -quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	0.5	418
17	Evidence for top quark production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1994, 50, 2966-3026.	1.6	400
18	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at $\sqrt{s} = 7, 8$ TeV. Physical Review Letters, 2010, 105, 022002.	2.9	400

#	ARTICLE	IF	CITATIONS
19	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015, 522, 68-72.	13.7	390
20	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014, 9, P10009-P10009.	0.5	380
21	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	369
22	FCC-hh: The Hadron Collider. <i>European Physical Journal: Special Topics</i> , 2019, 228, 755-1107.	1.2	367
23	Evidence for top quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1994, 73, 225-231.	2.9	363
24	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 421.	1.4	355
25	FCC Physics Opportunities. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	346
26	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014, 74, 3076.	1.4	342
27	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	320
28	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.	1.4	320
29	Observation of $B_s^0 \rightarrow B^0$ oscillations. <i>Physical Review Letters</i> , 2006, 97, 242003.	2.9	311
30	J/ψ and $\psi(2S)$ Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1997, 79, 572-577.	2.9	305
31	Observation of the Bc Meson in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1998, 81, 2432-2437.	2.9	285
32	Measurement of the $B \rightarrow s \mu^+ \mu^-$ branching fraction and search for $B \rightarrow s \mu^+ \mu^-$ oscillations. <i>Physical Review Letters</i> , 2006, 97, 242003.	2.9	282
33	First look at the physics case of TLEP. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	269
34	Double parton scattering in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1997, 56, 3811-3832.	1.6	246
35	Inclusive J/ψ , $\psi(2S)$, and b-quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1992, 69, 3704-3708.	2.9	243
36	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014, 74, 3036.	1.4	241

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37	Measurement of $\theta_{\text{eff}}^{\text{W}} \rightarrow \text{e}^+ \text{e}^- \text{W}^+ \text{W}^-$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using lepton+jets events with secondary vertex-tagging. Physical Review D, 2005, 71, .	1.6	231
38	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
39	Observation of Sequential $\text{W}^+ \text{W}^- \rightarrow \text{e}^+ \text{e}^- \text{W}^+ \text{W}^-$ Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	2.9	220
40	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219
41	Observation of $\text{W}^+ \text{W}^- \rightarrow \text{e}^+ \text{e}^- \text{W}^+ \text{W}^-$ Production. Physical Review Letters, 2018, 120, 231801.	2.9	209
42	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	2.9	208
43	Inclusive Jet Cross Section in $\text{p} \bar{\text{p}}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1996, 77, 438-443.	2.9	201
44	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
45	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
46	Measurement of J/ψ and $\Upsilon(2S)$ Polarization in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 85, 2886-2891.	2.9	196
47	Analysis of the Quantum Numbers J^{PC} of the $X(3872)$ Particle. Physical Review Letters, 2007, 98, 132002.	2.9	193
48	Polarizations of J/ψ and $\Upsilon(2S)$ in $\text{p} \bar{\text{p}}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 85, 2886-2891.	2.9	192
49	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	1.4	191
50	Observation of Bc mesons in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1998, 58, .	1.6	189
51	Measurements of inclusive W and Z cross sections in $\sqrt{s} = 1.96$ TeV collisions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	1.4	188
52	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	181
53	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2018, 13, P06015-P06015.	0.5	180
54	First Flavor-Tagged Determination of Bounds on Mixing-Induced CP Violation in $B \rightarrow \text{W}^+ \text{W}^- \text{e}^+ \text{e}^-$. Physical Review Letters, 2008, 100, 161802.	2.9	179

#	ARTICLE	IF	CITATIONS
55	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8, \sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	1.4	179
56	Measurement of the antiproton-proton total cross section at $\sqrt{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5550-5561.	1.6	178
57	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B \rightarrow \tau^+ \tau^-$ Decays with 2×10^6 fb $^{-1}$ of pp Collisions. Physical Review Letters, 2008, 100, 101802		

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73	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	1.5	148
74	Search for New Gauge Bosons Decaying into Dileptons in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 2192-2197.	2.9	147
75	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
76	Charged jet evolution and the underlying event in proton-antiproton collisions at 1.8 TeV. Physical Review D, 2002, 65, .	1.6	142
77	Measurement of the $B_s \rightarrow B_s^0$ Oscillation Frequency. Physical Review Letters, 2006, 97, 062003.	2.9	141
78	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	0.5	140
79	Measurement of small angle antiproton-proton elastic scattering at $\sqrt{s} = 546$ and 1800 GeV. Physical Review D, 1994, 50, 5518-5534.	1.6	139
80	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
81	Measurement of Long Range Near Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2016, 116, 172302.	2.9	139
82	An advanced field prediction model including diffuse scattering. IEEE Transactions on Antennas and Propagation, 2004, 52, 1717-1728.	3.1	138
83	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2307-2455.	1.4	136
84	τ Production and Polarization in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2002, 88, 161802.	2.9	135
85	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
86	Transverse Momentum and Total Cross Section of e^+e^- Pairs in the Z-Boson Region from pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 845-850.	2.9	131
87	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
88	Search for Flavor-Changing Neutral Current Decays of the Top Quark in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 80, 2525-2530.	2.9	127
89	Search for Dijet Resonances in 7 TeV pp Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126
90	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

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91	Dark Matter benchmark models for early LHC Run-2 Searches: Report of the ATLAS/CMS Dark Matter Forum. Physics of the Dark Universe, 2020, 27, 100371.	1.8	126
92	Intermediate silicon layers detector for the CDF experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 453, 84-88.	0.7	125
93	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	2.9	125
94	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
95	Top quark mass measurement using the template method in the lepton+jets channel at CDF II. Physical Review D, 2006, 73, .	1.6	124
96	Measurement of the B Meson Differential Cross Section in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 75, 1451-1455.	2.9	123
97	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
98	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 8$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
99	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
100	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, 710, 256-277.	1.5	122
101	Measurement of the Dipion Mass Spectrum in $X(3872) \rightarrow \pi^+ \pi^-$ Decays. Physical Review Letters, 2006, 96, 102002.	2.9	121
102	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
103	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
104	Diffraction Dijets with a Leading Antiproton in pp Collisions at $\sqrt{s} = 1800$ GeV. Physical Review Letters, 2000, 84, 5043-5048.	2.9	119
105	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC. Journal of Instrumentation, 2013, 8, P11002-P11002.	0.5	119
106	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
107	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
108	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

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109	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
110	Measurement of Double Parton Scattering in $p\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1997, 79, 584-589.	2.9	114
111	Measurement of the inclusive jet cross section using the k _T algorithm in $pp\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV with the CDF II detector. Physical Review D, 2007, 75, .	1.6	114
112	Evidence for the direct decay of the 125 GeV Higgs boson to fermions. Nature Physics, 2014, 10, 557-560. Observation of a peaking structure in the	6.5	114
113	mass spectrum from	1.5	112
114	Production of $\Upsilon(1S)$ Mesons from $b\bar{b}$ Decays in $pp\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 2094-2099.	2.9	111
115	First Measurements of Inclusive W and Z Cross Sections from Run II of the Fermilab Tevatron Collider. Physical Review Letters, 2005, 94, 091803.	2.9	111
116	Search for new particles decaying to dijets at CDF. Physical Review D, 1997, 55, R5263-R5268. Measurement of the rapidity and transverse momentum distributions of	1.6	108
117	bosons in	1.6	108
118	Observation of the Associated Production of a Single Top Quark and a W Boson in $pp\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2000, 84, 2094-2099.	2.9	108
119	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
120	Precision Measurement of the Prompt Photon Cross Section in $pp\bar{p}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1994, 73, 2662-2666.	2.9	107
121	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions	2.9	106
122	Observation of Charge-Dependent Azimuthal Correlations in $pp\bar{p}$ Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 102301.	2.9	106
123	Measurement of the	2.9	106
124	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
125	Measurement of $p\bar{p}$ single diffraction dissociation at $\sqrt{s} = 546$ and 1800 GeV. Physical Review D, 1994, 50, 5535-5549.	1.6	105
126	Measurement of $\sin^2 2\beta$ from $B \rightarrow J/\psi K_S^0$ with the CDF detector. Physical Review D, 2000, 61, .	1.6	105

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127	Observation of the Heavy Baryons Λ_b^0 and Λ_b^- . Physical Review Letters, 2007, 99, 202001.	2.9	105
128	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	103
129	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
130	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	0.5	102
131	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2019, 122, 121803.	2.9	102
132	Measurement of the bottom quark production cross section using semileptonic decay electrons in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1993, 71, 500-504.	2.9	101
133	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
134	Evidence for D^0 Mixing Using the CDF II Detector. Physical Review Letters, 2008, 100, 121802.	1.9	100
135	The Fast Simulation of the CMS Detector at LHC. Journal of Physics: Conference Series, 2011, 331, 032049.	0.3	100
136	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
137	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
138	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.	1.4	98
139	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
140	Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow Z\gamma$. Physical Review Letters, 2011, 106, 011801.	2.9	97
141	Measurement of the W boson production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 011801.	2.9	95
142	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
143	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
144	Measurement of $W+W^*$ production and search for the Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 25-47.	1.5	95

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145	Measurement of the W boson production cross sections in pp collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	2.9	94
146	Measurement of the W boson mass. Physical Review D, 1995, 52, 4784-4827.	1.6	93
147	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	0.5	93
148	Inclusive charm and b-quark production in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1993, 71, 2537-2541.	2.9	92
149	Search for Charged Higgs Boson Decays of the Top Quark using Hadronic Decays of the Tau Lepton. Physical Review Letters, 1997, 79, 357-362.	2.9	92
150	Search for Doubly Charged Higgs Bosons Decaying to Dileptons in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 221802.	2.9	92
151	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
152	Performance of τ , q-lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	0.5	91
153	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	1.5	90
154	Searches for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2013, 111, 211804.	2.9	90
155	Measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	1.6	88
156	Search for the standard model Higgs boson decaying to WZ in the fully leptonic final state in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 111802.	1.5	88
157	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	1.4	88
158	Observation and Mass Measurement of the Baryon Λ_b^0 . Physical Review Letters, 2007, 99, 052002.	2.9	86
159	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
160	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
161	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
162	Evidence of b -jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	2.9	85

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163	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
164	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
165	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
166	Reconstruction and identification of τ , lepton decays to hadrons and $\tau/2$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	0.5	85
167	Observation of Diffractive W -Boson Production at the Fermilab Tevatron. Physical Review Letters, 1997, 78, 2698-2703.	2.9	84
168	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
169	Measurement of inclusive jet cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
170	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
171	Measurement of the differential cross section and charge asymmetry for inclusive W production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
172	Measurement of prompt and nonprompt charmonium suppression in $PbPb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
173	τ Production in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 75, 4358-4363.	2.9	82
174	Underlying event in hard interactions at the Fermilab Tevatron $p\bar{p}$ collider. Physical Review D, 2004, 70, .	1.6	82
175	Measurement of Bottom-Quark Hadron Masses in Exclusive J/ψ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	2.9	82
176	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
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179	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81

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182	Search for a charged Higgs boson in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
183	Observation of Orbitally Excited B_s Mesons. Physical Review Letters, 2008, 100, 082001.	2.9	80
184	Measurement of the Production Cross Section in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2011, 106, 212301.	2.9	80
185	Measurement of the W Boson Production in $PbPb$ Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review Letters, 2011, 106, 212301.	2.9	80
186	Measurement of the W Boson Mass. Physical Review Letters, 1995, 75, 11-16.	2.9	79
187	Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 98, 112001.	2.9	79
188	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	1.5	79
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192	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 75.	1.4	78
193	Search for Gluinos and Scalar Quarks in pp Collisions at $\sqrt{s} = 1.8 \text{ TeV}$ Using the Missing Energy plus Multijets Signature. Physical Review Letters, 2002, 88, 041801.	2.9	77
194	Studies of azimuthal dihadron correlations in ultra-central $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
195	Measurement of Dijet Angular Distributions by the Collider Detector at Fermilab. Physical Review Letters, 1996, 77, 5336-5341.	2.9	76
196	Study of jet shapes in inclusive jet production in pp collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2005, 71, 114005.	1.6	76
197	Evidence for the Exclusive Decay $B_c \rightarrow \tau \nu$ and Measurement of the Mass of the B_c Meson. Physical Review Letters, 2006, 96, 082002.	2.9	76
198	Measurement of the cross section for W -boson production in association with jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2011, 106, 212301.	1.6	76

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201	Measurement of Diffractive Dijet Production at the Fermilab Tevatron. Physical Review Letters, 1997, 79, 2636-2641.	2.9	75
202	Measurement of the Top Quark Mass with the Collider Detector at Fermilab. Physical Review Letters, 1999, 82, 271-276.	2.9	75
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204	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
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209	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	1.4	73
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214	Observation of exclusive dijet production at the Fermilab Tevatron collider. Physical Review D, 2008, 77, .	1.6	70
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223	Search for New Physics in High-Mass Electron-Positron Events in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2007, 99, 171802.	2.9	69
224	Measurement of the $\sigma(\text{pp} \rightarrow \gamma\gamma)$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	69
225	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
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227	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
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233	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	66
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246	Search for Neutral Higgs Bosons of the Minimal Supersymmetric Standard Model Decaying to $\tau\tau$ Pairs in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 011802.	2.9	63
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248	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
249	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
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254	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 710, 284-306.	2.9	62
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259	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	62
260	Observation of Two Excited States and Measurement of the B_c Production Cross Section in pp Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2018, 120, 032001.	2.9	62
261	Charge Asymmetry in W-Boson Decays Produced in pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1995, 74, 850-854.	2.9	61
262	Measurement of the B_c Production Cross Section in pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2018, 120, 032001.	2.9	61
263	Search for $B_s \rightarrow \tau \nu$ and $B_d \rightarrow \tau \nu$ Decays in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2004, 93, 032001.	2.9	60
264	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 122003.	2.9	60
265	Measurement of the ratio of the inclusive 2-jet cross section to the inclusive 3-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	60
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273	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
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275	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
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291	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
292	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
293	Dijet Production by Double Pomeron Exchange at the Fermilab Tevatron. Physical Review Letters, 2000, 85, 4215-4220.	2.9	54
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296	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
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298	Search for charged Higgs bosons in the $H_{\pm} \rightarrow \tau^{\pm} \nu_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
299	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
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302	Measurement of the Lifetime Difference between B_s Mass Eigenstates. Physical Review Letters, 2005, 94, 101803.	2.9	53
303	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	53
304	Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 201804.	2.9	53
305	Search for Right-Handed Couplings in a Left-Right Symmetric Model in $p\bar{p} \rightarrow \gamma^* \rightarrow e^+e^-$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2011, 107, 201804.	2.9	53
306	Measurement of prompt and nonprompt J/ψ production in $p\bar{p}$ and $p\bar{p} \rightarrow Pb$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53

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308	Search for Scalar Top and Scalar Bottom Quarks in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 2000, 84, 5704-5709.	2.9	52
309	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	0.5	52
310	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8\text{TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
311	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8\text{TeV}$ and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
312	Measurements of the $pp \rightarrow ZZ$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 8\text{TeV}$. European Physical Journal C, 2018, 78, 165.	1.4	52
313	Search for gluinos and squarks at the Fermilab Tevatron collider. Physical Review D, 1997, 56, R1357-R1362.	1.6	51
314	Search for Neutral Supersymmetric Higgs Bosons in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 2001, 86, 4472-4478.	2.9	51
315	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
316	Search for exclusive or semi-exclusive $\tilde{\chi}_1^0\tilde{\chi}_1^0$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	51
317	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
318	Measurement of the Helicity of W Bosons in Top Quark Decays. Physical Review Letters, 2000, 84, 216-221.	2.9	50
319	Combination of CDF and D0 results on the W boson mass and width. Physical Review D, 2004, 70, .	1.6	50
320	Measurement of $\sigma(\tilde{t}\tilde{t}^*)/\sigma(\tilde{b}\tilde{b}^*)$ in pp Collisions at $\sqrt{s}=1.96\text{TeV}$. Physical Review Letters, 2007, 98, 231802.	2.9	50
321	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9\text{TeV}$. European Physical Journal C, 2010, 70, 555-572.	1.4	50
322	Search for $B_s \rightarrow \tau^+\tau^-$ and $B^0 \rightarrow \tau^+\tau^-$ Decays in pp Collisions at $\sqrt{s}=7\text{TeV}$. Physical Review Letters, 2014, 107, 151802.	2.9	50
323	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s}=0.9, 2.76, 7\text{TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
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326	Search for Long-Lived Charged Massive Particles in pp Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2003, 90, 131801.	2.9	49
327	Measurement of the Inclusive Jet Cross Section Using the kT Algorithm in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 122001.	2.9	49
328	First run II measurement of the W boson mass at the Fermilab Tevatron. Physical Review D, 2008, 77, .	1.6	49
329	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s}=2.36$ TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	2.9	49
330	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
331	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
332	Search for leptonic decays of $W^{\pm 2}$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	49
333	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
334	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	1.6	48
335	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
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341	Measurement of B hadron lifetimes using J/ψ final states at CDF. Physical Review D, 1998, 57, 5382-5401.	1.6	47
342	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

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344	Search for Top Squarks in Parity-Violating Supersymmetry Using Three or More Leptons and Tagged Jets. Physical Review Letters, 2013, 111, 221801.	2.9	47
345	Measurement of the ratio $\sigma(\text{pp} \rightarrow \text{W}^+ \text{e}^+ \nu_e) / \sigma(\text{pp} \rightarrow \text{Z} \text{e}^+ \text{e}^-)$ in pp collisions at $\sqrt{s} = 1800$ GeV. Physical Review D, 1995, 52, 2624-2655.	1.6	46
346	Measurement of the forward-backward charge asymmetry of electron-positron pairs in $\text{e}^+ \text{e}^-$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2005, 71, .	1.6	46
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348	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
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350	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
351	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	46
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354	Measurement of the B^+ production cross section in $\text{pp} \rightarrow \text{B}^+ + \text{jets}$ collisions at $\sqrt{s} = 1960$ GeV. Physical Review D, 2007, 75, .	1.6	45
355	Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays Involving τ , Leptons. Physical Review Letters, 2008, 101, 121801.	2.9	45
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360	and $\text{pp} \rightarrow \text{Z} \text{e}^+ \text{e}^-$ Collisions at $\sqrt{s} = 1800$ GeV. Physical Review D, 1995, 52, 2624-2655.	1.5	45

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364	Measurement of the inclusive jet cross section in pp interactions at $\sqrt{s} = 1.96$ TeV using a cone-based jet algorithm. Physical Review D, 2006, 74, .	1.6	44
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371	Search for Large Extra Dimensions in the Production of Jets and Missing Transverse Energy in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 171802.	2.9	43
372	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 171802.	2.9	43
373	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	1.4	43
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383	Measurement of the top-quark mass in \overline{t} events with dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	42
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391	Search for Resonant $t\bar{t}$ Production in $pp\hat{A}^-$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	41
392	Search for Quark Compositeness with the Dijet Centrality Ratio in $pp\hat{A}^-$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 262001.	2.9	41
393	Inclusive search for squarks and gluinos in $pp\hat{A}^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 262001.	2.9	41
394	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
395	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
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401	Model-independent and quasi-model-independent search for new physics at CDF. Physical Review D, 2008, 78, .	1.6	40
402	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
403	Measurement of the $\sigma(\overline{t}t)$ production cross section using events in the $e\mu e\bar{\nu}_e$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
404	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	1.4	40
405	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40
406	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	40
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409	Double Diffraction Dissociation at the Fermilab Tevatron Collider. Physical Review Letters, 2001, 87, 141802.	2.9	39
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413	Measurement of W^+Z and Z^0Z production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics. 2011, 701, 535-555.	1.5	39
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417	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
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419	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
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423	Search for Quark-Lepton Compositeness and a Heavy $W\hat{\nu}\bar{\nu}$ Boson Using the $\ell\bar{\nu}$ Channel in $\text{inpp}\hat{\nu}\bar{\nu}$ Collisions at $\sqrt{s} = 1.8\text{TeV}$. Physical Review Letters, 2001, 87, 231803.	2.9	38
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428	First measurement of hadronic event shapes in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	1.5	38
429	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	38
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435	Measurement of the CP-Violation Parameters in $B_d^0 \rightarrow \bar{B}_d^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 1998, 81, 5513-5518.	2.9	37
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437	Search for electroweak single-top-quark production in pp collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	1.6	37
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441	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
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457	Measurement of the cross section with $B \rightarrow \mu^+\mu^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 2758.	1.6	35
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459	Measurement of the top-quark mass in all-jets events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 2758.	1.4	35
460	Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm}$ jets and $e^{\pm}\hat{A}^{\pm}$ jets events in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
461	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2017, 119, 111802.	2.9	35
462	Search for anomalous Wtb couplings and flavour-changing neutral currents in t -channel single top quark production in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ and 8 TeV . Journal of High Energy Physics, 2017, 2017, 1.	1.6	35
463	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
464	Measurement of exclusive Υ photoproduction from protons in $p\bar{p}$ collisions at $\sqrt{s} = 5.02 \text{ TeV}$. European Physical Journal C, 2019, 79, 277.	1.4	35
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471	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	0.5	34
472	Search for Three-Jet Resonances in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 107, 101801.	2.9	34
473	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
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895	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	10
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898	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
899	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
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910	First measurement of the fraction of top-quark pair production through gluon-gluon fusion. Physical Review D, 2008, 78, .	1.6	9
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