

Patrizia Azzi

List of Publications by Year in descending order

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Version: 2024-02-01

1,063
papers

66,386
citations

1172

111
h-index

1900

208
g-index

1084
all docs

1084
docs citations

1084
times ranked

14053
citing authors

#	ARTICLE	IF	CITATIONS
1	Higgs and top physics reconstruction challenges and opportunities at FCC-ee. European Physical Journal Plus, 2022, 137, 1.	2.6	1
2	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
3	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
4	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	3.9	14
5	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
6	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.	3.9	18
7	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
8	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	4.7	5
9	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
10	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
11	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
12	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
13	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
14	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
15	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	2
16	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	4
17	Observation of $B^0 \rightarrow \psi(2S) K^0_{\text{S}} \ell^+ \ell^-$ and $B^0_{\text{S}} \rightarrow \psi(2S) K^0_{\text{S}} \ell^+ \ell^-$ decays. European Physical Journal C, 2022, 82, .	3.9	1
18	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	3.9	33

#	ARTICLE	IF	CITATIONS
19	Search for top squark pair production using dilepton final states in $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$ collisions data collected at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 3.	3.9	33
20	Measurements of $\text{pp} \rightarrow \text{ZZ}$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 200.	3.9	24
21	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	28
22	Development and validation of HERWIG ⁷ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
23	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 378.	3.9	40
24	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 488.	3.9	35
25	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
26	MUSiC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 629.	3.9	18
27	Search for a heavy vector resonance decaying to a $\text{ZZ} \rightarrow \text{ZZ}$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 688.	3.9	9
28	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 723.	3.9	19
29	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{ZZ} + \text{two-jet}$ final states in pp collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
30	Precision luminosity measurement in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
31	Search for chargino-neutralino production in events with Higgs and W bosons using 137 fb ⁻¹ of proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	8
32	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2021, 81, 970.	3.9	18
33	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	36
34	Exploring requirements and detector solutions for FCC-ee. European Physical Journal Plus, 2021, 136, 1.	2.6	1
35	First test-beam results obtained with IDEA, a detector concept designed for future lepton colliders. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162088.	1.6	4
36	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.	4.9	126

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37	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
38	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
39	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	1.2	3
40	Study of central exclusive "Equation missing" <small><!-- No EquationSource Format="TEX", only image --></small> production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	3.9	7
41	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$, {ext {TeV}}. European Physical Journal C, 2020, 80, 752.	3.9	23
42	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
43	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	4.7	21
44	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.	4.7	66
45	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
46	Search for direct pair production of supersymmetric partners to the τ^{\pm} lepton in proton-proton collisions at $\sqrt{s} = 13$, {ext {TeV}}. European Physical Journal C, 2020, 80, 189.	3.9	22
47	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\sqrt{s_{NN}} = 2.76$ and 5.02, {ext {TeV}}. European Physical Journal C, 2020, 80, 534.	3.9	14
48	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$, {ext {TeV}}. European Physical Journal C, 2020, 80, 43.	3.9	11
49	Evidence for W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$, {ext {TeV}}. European Physical Journal C, 2020, 80, 1.	3.9	10
50	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$, {ext {TeV}}. European Physical Journal C, 2020, 80, 75.	3.9	78
51	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$, {ext {TeV}}. European Physical Journal C, 2020, 80, 3.	3.9	70
52	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
53	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
54	A multi-dimensional search for new heavy resonances decaying to boosted W , Z , or WZ boson pairs in the dijet final state at 13 TeV. European Physical Journal C, 2020, 80, 237.	3.9	31

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55	Measurement of single-diffractive dijet production in proton–proton collisions at $\sqrt{s} = 8, \text{ext}\{\text{TeV}\}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	3.9	5
56	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton–proton collisions at $\sqrt{s} = 13 \text{TeV}$. European Physical Journal C, 2020, 80, 370.	3.9	22
57	Measurement of $\text{hbox}\{t\}\{\text{ar}\{\text{hbox}\{t\}\}$ normalised multi-differential cross sections in $\text{ext}\{p\}\{\text{ext}\{p\}$ collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	3.9	33
58	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two \tilde{l} , leptons and two jets in proton-proton collisions at $\sqrt{s} = 13 \text{TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
59	Search for a $W\tilde{e}^2$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
60	Search for top quark partners with charge $5/3$ in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
61	Inclusive search for supersymmetry in pp collisions at $\sqrt{s} = 13 \text{TeV}$ using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
62	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13 \text{TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
63	Search for excited leptons in \tilde{e}, \tilde{e}^3 final states in proton-proton collisions at $\sqrt{s} = 13 \text{TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	3
64	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	4.7	24
65	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ $s = 13 \text{TeV}$. European Physical Journal C, 2019, 79, 1.	3.9	9
66	Measurement of exclusive $\rho_{\text{ext}}^0 \left(\text{left} (770) \right)_{\text{ext}}^0$ photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 702.	3.9	33
67	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 277.	3.9	35
68	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2019, 79, 564.	3.9	50
69	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	2.6	367
70	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	8
71	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	2.6	108
72	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424

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73	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.	3.9	40
74	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\sqrt{s}=13$ TeV collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 773.	3.9	8
75	Search for a Light Charged Higgs Boson Decaying to a W Boson and a C Boson and a P Boson -Odd Higgs Boson in Final States with C Boson. Journal of High Energy Physics, 2019, 2019, 1.	7.8	21
76	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
77	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 305.	3.9	4
78	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
79	Search for a low-mass \tilde{t}, \tilde{t}^* resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
80	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s}=13$ TeV via Higgs boson decays to \tilde{l}, \tilde{l}^* leptons. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
81	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
82	Search for the pair production of light top squarks in the $e^+e^- \rightarrow \tilde{t} \tilde{t}^*$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
83	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355
84	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 444.	3.9	11
85	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
86	Measurement of the $t \bar{t} \rightarrow \tilde{t} \tilde{t}^*$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 368.	3.9	68
87	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
88	Search for nonresonant Higgs boson pair production in the $b \bar{b} b \bar{b}$ final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
89	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 280.	3.9	29
90	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13

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91	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	3.9	48
92	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 121803.	7.8	102
93	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	7.8	24
94	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	7.8	4
95	Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.	3.9	11
96	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94.	3.9	20
97	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
98	Measurements of $\overline{\sigma}$ differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
99	Search for $\overline{\sigma}$ production in the $H \rightarrow b\overline{b}$ decay channel with leptonic $\overline{\sigma}$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
100	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
101	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
102	Search for resonant $\overline{\sigma}$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	23
103	Observation of Two Excited B_c States and Measurement of the $B_c \rightarrow J/\psi \ell \overline{\nu}_\ell$ Decay. Physical Review Letters, 2019, 122, 121801.	7.8	62
104	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
105	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
106	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.	4.7	40
107	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20.	3.9	18
108			

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109	Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b}\gamma\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
110	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8, 13$ TeV. European Physical Journal C, 2019, 79, 969.	3.9	6
111	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
112	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
113	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s} = 13, 13.6$ TeV. European Physical Journal C, 2019, 79, 893.	3.9	12
114	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.	4.7	54
115	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13, 13.6$ TeV. European Physical Journal C, 2019, 79, 886.	3.9	16
116	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
117	Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
118	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
119	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7, 13, 13.6$ TeV. European Physical Journal C, 2018, 78, 242.	3.9	10
120	Measurement of the Splitting Function in $pp \rightarrow p + \gamma + p$ and Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76, 5.02, 8.16$ TeV. Physical Review Letters, 2018, 120, 142302.	7.8	70
121	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}} = 5.02, 8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
122	Suppression of Excited $\Lambda(1520)$ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76, 5.02, 8.16$ TeV. Physical Review Letters, 2018, 120, 142301.	7.8	38
123	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\gamma\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
124	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13, 13.6$ TeV. European Physical Journal C, 2018, 78, 291.	3.9	27
125	Measurements of the $pp \rightarrow Z + \gamma + p$ production cross section and the $pp \rightarrow Z + \gamma + p$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, 13.6$ TeV. European Physical Journal C, 2018, 78, 165.	3.9	52
126	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8, 13, 13.6$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16

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127	Measurement of the inclusive $\sigma(\overline{\text{t}}\text{t})$ cross section in pp collisions at $\sqrt{s}=5.02$ TeV using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
128	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	0
129	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13$ $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
130	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $s = 13$ $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
131	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	57
132	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.	4.7	63
133	Measurement of differential cross sections in the kinematic angular variable $\tilde{\chi}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
134	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
135	Measurement of normalized differential $\sigma(\overline{\text{t}}\text{t})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
136	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $s = 8$ $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
137	Search for ZZ resonances in the $2\ell, 2\ell^{1/2}$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
138	Search for $\sigma(\overline{\text{t}}\text{t})\text{H}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
139	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
140	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
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142	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	19
143	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	4.7	43
144	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12

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146	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	26
147	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
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154	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	23
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156	Search for $Z\tilde{l}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
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183	Search for beyond the standard model Higgs bosons decaying into a $\overline{b}b$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
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187	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying t , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
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202	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
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211	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 221801.	7.8	47
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242	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
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256	Search for top squark pair production in pp collisions at $s = 13 \text{ TeV}$ using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
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273	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \tilde{l} , leptons and two jets in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
274	Search for CP violation in $t\bar{t} \rightarrow t\bar{t} + \gamma$ production and decay in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
275	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
276	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
277	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
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290	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
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309	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.	3.9	18
310	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
311	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
312	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
313	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	3.9	26
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318	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
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320	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
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323	Search for massive WH resonances decaying into the $\ell u \overline{b} \tilde{a}_\pm$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
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387	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	55
388	First look at the physics case of TLEP. Journal of High Energy Physics, 2014, 2014, 1.	4.7	269
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418	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.	4.7	320
419	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.	4.7	39
420	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
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425	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.	4.7	33
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462	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	7.8	49
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466	Search for supersymmetry in events with quark jets and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2012, 86, .	4.7	18
467	Inclusive search for squarks and gluinos in $\sqrt{s}=7$ TeV pp collisions. Journal of Instrumentation, 2013, 8, P09009-P09009.	4.7	41
468	Search for pair production of first- and second-generation scalar leptoquarks in $\sqrt{s}=7$ TeV pp collisions. Journal of Instrumentation, 2013, 8, P11002-P11002.		

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470	Study of the Dijet Mass Spectrum in $pp \rightarrow W + \text{jets}$ Events at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2012, 109, 251801.	4.7	15
471	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	7.8	126
472	Observation of Sequential χ^0 Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220
473	Observation of a New Λ_b^0 Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
474	Performance of ℓ, q -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	1.2	91
475	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
476	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
477	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200
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479	Measurement of the cross section for production of $\bar{b} X$ decaying to muons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
480	Measurement of the $Z \rightarrow \nu \nu + b$ -jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
481	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.	4.7	31
482	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	68
483	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
484	Search for leptonic decays of $W \rightarrow \ell \ell$ bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
485	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
486	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.	4.7	30

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488	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
489	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.	4.7	168
490	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
491	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.	4.7	95
492	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.	4.7	85
493	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
494	Search for exclusive or semi-exclusive $\tilde{t}\tilde{t}^*$ 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.	4.7	51
495	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	7
496	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.	4.7	41
497	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
498	Search for resonant $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
499	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
500	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.	4.7	83
501	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
502	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.	4.7	38
503	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.	4.1	6,177
504	Measurement of the $\sigma(\tilde{t}\tilde{t}^*)$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	35

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506	Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	4.7	108
507	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	12.6	85
508	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.	4.1	120
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510	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, 68-90.	4.1	37
511	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, 68-90.	4.1	37
512	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, 68-90.	4.1	37
513	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, 68-90.	4.1	37
514	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, 68-90.	4.1	37
515	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, 68-90.	4.1	37
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517	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
518	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
519	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	26
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543	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, 284-296.	4.1	148
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545	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.	3.9	369
546	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.	3.9	181
547	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
548	Exclusive $\bar{t}t + \bar{t}t/4 + \bar{t}t/4$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	56
549	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
550	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
551	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	88
552	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84, 1.	4.7	65
553	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84, 1.	4.7	35
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555	Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, 1.	7.8	153
556	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201804.	7.8	54

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560	Measurement of $W\bar{\nu}_\tau$ and $Z\bar{\nu}_\tau$ production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	4.1	39
561	Search for first generation scalar leptoquarks in the $pp \rightarrow \ell \bar{\nu}_\ell + \text{jet} + \text{jet}$ channel in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	14
562	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.	4.1	12
563	A search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	118
564	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.	4.1	8
565	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.	4.1	28
566	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
567	Measurement of the $\text{Br}(\tau \rightarrow \mu \nu_\mu)$ 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.	3.9	37
568	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36$, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
569	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
570	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
571	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
572	Measurement of $\overline{B} \rightarrow B^0$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
573	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
574	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
575	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
576	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22

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579	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.	4.7	46
580	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
581	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.	4.7	53
582	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.	4.7	65
583	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13
584	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
585	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.	4.7	40
586	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	56
587	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
588	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.	4.7	99
589	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.	4.7	49
590	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.	4.7	32
591	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.	4.7	97
592	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36
593	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.	4.7	158
594	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25

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596	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.	4.1	65
597	Search for a heavy gauge boson Z' . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 25-47.	4.1	26
598	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.	4.1	171
599	Measurement of $W+W\gamma$ 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, 25-47.	4.1	24
600	First measurement of hadronic event shapes in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	4.1	38
601	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, 699, 1-17.	4.1	28
602	Search for a heavy gauge boson Z' . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 25-47.	4.1	27
603	Measurement of the isolated prompt photon production cross section in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 1-17.	4.1	30
604	Search for a heavy gauge boson Z' . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 1-17.	7.8	62
605	Measurement of the isolated prompt photon production cross section in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
606	Search for $B_s \rightarrow \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^-$ Decays in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 107, 181802.	7.8	17
607	Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	208
608	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	80
609	Study of $Z\gamma$ Boson Production in PbPb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	47
610	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.	7.8	21
611	Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 212301.	4.7	51
612	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. Physical Review D, 2011, 84, .		

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614	Search for a Vectorlike Quark with Charge $\pm \frac{1}{2}$ in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	59
615	Measurement of the $t\bar{t}$ Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	125
616	Search for Three-jet Resonances in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	61
617	Search for Three-jet Resonances in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	34
618	Publisher's Note: Search for Dijet Resonances in 7 TeV_{pp} Collisions at CMS [Phys. Rev. Lett. 105, 211801 (2010)]. <i>Physical Review Letters</i> , 2011, 106, .	7.8	9
619	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 122003.	7.8	74
620	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 122003.	7.8	60
621	Measurement of the W Bosons with Large Transverse Momenta in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	46
622	Measurement of the $t\bar{t}$ -Channel Single Top Quark Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 101801.	7.8	70
623	Search for Stopped Gluinos in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 011801.	7.8	41
624	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011, 6, P11002-P11002.	1.2	508
625	The Fast Simulation of the CMS Detector at LHC. <i>Journal of Physics: Conference Series</i> , 2011, 331, 032049.	0.4	100
626	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. <i>Physical Review Letters</i> , 2011, 2011, 1.		5
627	Performance and operation of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03010-T03010.	1.2	59
628	Time reconstruction and performance of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03011-T03011.	1.2	34
629	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. <i>Journal of Instrumentation</i> , 2010, 5, T03013-T03013.	1.2	20
630	Performance of the CMS drift tube chambers with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03015-T03015.	1.2	24

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632	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	1.2	25
633	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	1.2	20
634	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03019-T03019.	1.2	19
635	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	1.2	25
636	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. Journal of Instrumentation, 2010, 5, T03002-T03002.	1.2	24
637	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	1.2	19
638	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	1.2	25
639	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	1.2	59
640	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	1.2	37
641	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	1.2	18
642	Commissioning of the CMS High-Level Trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03005-T03005.	1.2	5
643	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	1.2	36
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645	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	1.2	36
646	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	1.2	52
647	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	1.2	19
648	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	1.2	35

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650	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
651	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.	4.7	230
652	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
653	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.	4.1	38
654	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	1.2	57
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656	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.	7.8	49
657	Search for Dijet Resonances in $\sqrt{s} = 0.9$ TeV pp Collisions at CMS. Physical Review Letters, 2010, 105, 032001.	7.8	400
658	Search for Dijet Resonances in $\sqrt{s} = 0.9$ TeV pp Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	7.8	126
659	Stand-alone cosmic muon reconstruction before installation of the CMS silicon strip tracker. Journal of Instrumentation, 2009, 4, P05004-P05004.	1.2	14
660	Search for Maximal Flavor Violating Scalars in Same-Charge Lepton Pairs in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 041801.	7.8	22
661	The CMS Collaboration. Nuclear Physics A, 2009, 830, 946c-956c.	1.5	0
662	Measurement of the ratio of branching fractions $B(B \rightarrow \tau^+ \tau^-) / B(B \rightarrow K^+ \tau^-)$. Physical Review D, 2009, 79, .	4.7	3
663	Search for hadronic decays of W and Z bosons in photon events in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 041801.	4.7	0
664	Publisher's Note: Search for hadronic decays of W and Z bosons in photon events in pp collisions at $\sqrt{s} = 1.96$ TeV [Phys. Rev. D 80, 052011 (2009)]. Physical Review D, 2009, 80, .	4.7	0
665	Performance studies of the CMS Strip Tracker before installation. Journal of Instrumentation, 2009, 4, P06009-P06009.	1.2	5
666	Alignment of the CMS silicon strip tracker during stand-alone commissioning. Journal of Instrumentation, 2009, 4, T07001-T07001.	1.2	7

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686	Measurement of ratios of fragmentation fractions for bottom hadrons in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2008, 77, .	4.7	30
687	First Observation of the Decay $B_s \rightarrow D_s \gamma$ and Measurement of Its Branching Ratio. Physical Review Letters, 2008, 100, 021803.	7.8	16
688	Strong Evidence for ZZ Production in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 100, 201801.	7.8	30
689	Measurement of Lifetime and Decay-Width Difference in $B_s \rightarrow J/\psi$ Decays. Physical Review Letters, 2008, 100, 121803.	7.8	39
690	Search for Resonant Production in $pp\bar{p}$ Collisions Using the CDF II Detector. Physical Review Letters, 2008, 100, 121802.	7.8	41
691	Observation of Orbital Excited Mesons. Physical Review Letters, 2008, 100, 082001.	7.8	80
692	Search for Heavy Toplike Quarks Using Lepton Plus Jets Events in 1.96 TeV $pp\bar{p}$ Collisions. Physical Review Letters, 2008, 100, 161803.	7.8	31
693	Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays Involving \tilde{l}_μ Leptons. Physical Review Letters, 2008, 101, 121801.	7.8	45
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696	First Flavor-Tagged Determination of Bounds on Mixing-Induced $B \rightarrow C^+ e^- \bar{\nu}_e$ Decay. Physical Review Letters, 2008, 100, 062001.	7.8	179
697	Direct Measurement of the $B \rightarrow C^+ e^- \bar{\nu}_e$ Decay. Physical Review Letters, 2008, 100, 062001.	7.8	0
698	Measurement of the W Boson Width in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 100, 062005.	7.8	14
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701	Analysis of the Quantum Numbers J^{PC} of the $X(3872)$ Particle. Physical Review Letters, 2007, 98, 132002.	7.8	193
702	Measurement of the $pp\bar{p} \rightarrow t\bar{t}$ production cross section and the top quark mass at $\sqrt{s}=1.96$ TeV in the all-hadronic decay mode. Physical Review D, 2007, 76, .	4.7	24

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704	Measurement of the b Lifetime in $\bar{t}t$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 122001.	7.8	24
705	Polarizations of $\bar{t}t$ in $\bar{t}t$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 122001.	7.8	192
706	Measurement of the Ratios of Branching Fractions $B(B_s \rightarrow D_s^* \ell^+ \ell^-) / B(B \rightarrow D^* \ell^+ \ell^-)$ and $B(B_s \rightarrow D_s^* \ell^+ \ell^-) / B(B \rightarrow D^* \ell^+ \ell^-)$. Physical Review Letters, 2007, 98, 061802.	7.8	50
707	Measurement of the inclusive jet cross section using the k_T algorithm in $\bar{t}t$ collisions at $\sqrt{s}=1.96$ TeV with the CDF II detector. Physical Review D, 2007, 75, .	4.7	114
708	Measurement of $f_1(\rho \rightarrow \pi^0 \gamma)$ in $\bar{t}t$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 75, .	4.7	24
709	Search for Chargino-Neutralino Production in $\bar{t}t$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 191806.	7.8	11
710	Search for $V+A$ Current in Top-Quark Decays in $\bar{t}t$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 072001.	7.8	22
711	Inclusive Search for New Physics with Like-Sign Dilepton Events in $\bar{t}t$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	7.8	41
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713	Measurement of $f_1(\rho \rightarrow \pi^0 \gamma)$ in $\bar{t}t$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 122002.	7.8	23
714	Search for Anomalous Production of Multilepton Events in $\bar{t}t$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 131804.	7.8	15
715	Search for New Physics in High-Mass Electron-Positron Collisions. Physical Review Letters, 2007, 99, 171802.	4.7	30
716	Measurement of the Top-Quark Mass in All-Hadronic Decays in $\bar{t}t$ Collisions at CDF II. Physical Review Letters, 2007, 99, 171802.	7.8	69
717	Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 98, 112001.	7.8	79
718	First Measurement of the W -Boson Mass in Run II of the Tevatron. Physical Review Letters, 2007, 99, 151801.	7.8	46
719	Measurement of the Top-Quark Mass in All-Hadronic Decays in $\bar{t}t$ Collisions at CDF II. Physical Review Letters, 2007, 98, 142001.	7.8	29
720	Observation and Mass Measurement of the Baryon Λ_b^0 . Physical Review Letters, 2007, 99, 052002.	7.8	86

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723	Observation of WZ Production. Physical Review Letters, 2007, 98, 161801.	7.8	36
724	Search for High-Mass Diphoton States and Limits on Randall-Sundrum Gravitons at CDF. Physical Review Letters, 2007, 99, 171801.	7.8	19
725	First Measurement of the Ratio of Central-Electron to Forward-Electron W Partial Cross Sections in $p\bar{p} \rightarrow e^+e^-$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 251801.	7.8	2
726	Measurement of $\sigma(\bar{p}p \rightarrow t\bar{t} + b\bar{b})/\sigma(\bar{p}p \rightarrow t\bar{t})$ in $p\bar{p} \rightarrow e^+e^-$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 232002.	7.8	10
727	Publisher's Note: Measurement of the inclusive jet cross section using the k_T algorithm in $p\bar{p} \rightarrow e^+e^-$ collisions at $\sqrt{s}=1.96$ TeV with the CDF II detector [Phys. Rev. D 75, 092006 (2007)]. Physical Review D, 2007, 75, .	4.7	23
728	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	3.6	683
729	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.	3.6	136
730	Measurement of the B^0 production cross section in $p\bar{p} \rightarrow e^+e^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 75, .	4.7	45
731	Precision measurement of the top-quark mass from dilepton events at CDF II. Physical Review D, 2007, 75, .	4.7	29
732	Search for $W \rightarrow e\bar{\nu}_e$ boson decaying to electron-neutrino pairs in $p\bar{p} \rightarrow e^+e^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 75, .	4.7	20
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734	Search for exotic $S=2$ baryons in $p\bar{p} \rightarrow e^+e^-$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2007, 75, .	4.7	7
735	Measurement of the top quark mass in $p\bar{p} \rightarrow e^+e^-$ collisions at $\sqrt{s}=1.96$ TeV using the decay length technique. Physical Review D, 2007, 75, .	4.7	13
736	Measurement of the helicity fractions of W bosons from top quark decays using fully reconstructed $t\bar{t}$ events with CDF II. Physical Review D, 2007, 75, .	4.7	25
737	Measurements of inclusive $\langle \sigma \rangle_W$ and $\langle \sigma \rangle_Z$ cross sections in $\sqrt{s}=1.96$ TeV collisions at $\sqrt{s}=1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	3.6	188
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741	Observation of $B_s \rightarrow B^0$ oscillations. Physical Review Letters, 2006, 97, 242003.	7.8	311
742	Measurement of the azimuthal angle distribution of leptons from W boson decays as a function of the W transverse momentum in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2006, 73, .	4.7	11
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744	Measurement of the helicity of W bosons in top-quark decays. Physical Review D, 2006, 73, .	4.7	21
745	Measurement of the ratio of branching fractions $B(D \rightarrow K^* \ell^+ \nu)/B(D \rightarrow K^* \ell^+ \nu)$ using the CDF II detector. Physical Review D, 2006, 74, .	4.7	13
746	Search for W and Z bosons in the reaction $p\bar{p} \rightarrow t\bar{t} + \text{two jets} + \nu\bar{\nu}$ at $\sqrt{s}=1.8$ TeV. Physical Review D, 2006, 73, .	4.7	1
747	Search for second-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 73, .	4.7	21
748	Measurement of the top quark mass with the dynamical likelihood method using lepton plus jets events with b-tags in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 73, .	4.7	22
749	Measurement of the inclusive jet cross section in $p\bar{p}$ interactions at $\sqrt{s}=1.96$ TeV using a cone-based jet algorithm. Physical Review D, 2006, 74, .	4.7	44
750	Search for New Physics in Lepton + Photon + X Events with 305 fb $^{-1}$ of $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 031801.	7.8	7
751	Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV using lepton + jet events with jet probability b-tagging. Physical Review D, 2006, 74, .	4.7	72
752	Measurement of the b jet cross section in events with a Z boson in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 74, .	4.7	20
753	Measurement of the $t\bar{t}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV in the all hadronic decay mode. Physical Review D, 2006, 74, .	4.7	14
754	Search for anomalous semileptonic decay of heavy flavor hadrons produced in association with a W boson at CDF II. Physical Review D, 2006, 73, .	4.7	3
755	Measurement of mass and width of the excited charmed meson states D_{10} and D_{2^*0} at CDF. Physical Review D, 2006, 73, .	4.7	17
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759	Search for High-Mass Resonances Decaying to e^+e^- in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 211802.	7.8	31
760	Evidence for the Exclusive Decay $B_c \rightarrow \pi^0 \ell^+ \ell^-$ and Measurement of the Mass of the B_c Meson. Physical Review Letters, 2006, 96, 082002.	7.8	76
761	Precision Top-Quark Mass Measurement in the Lepton+Jets Topology in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 022004.	7.8	31
762	Measurement of the Ratios of Branching Fractions $B(B \rightarrow \pi^0 \ell^+ \ell^-)/B(B \rightarrow \pi^0 \mu^+ \mu^-)$ and $B(B \rightarrow \pi^0 \tau^+ \tau^-)/B(B \rightarrow \pi^0 \mu^+ \mu^-)$. Physical Review Letters, 2006, 96, 191801.	7.8	15
763	Measurement of the Inclusive Jet Cross Section Using the k_T Algorithm in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 122001.	7.8	49
764	Search for Neutral Higgs Bosons of the Minimal Supersymmetric Standard Model Decaying to $\tau^+ \tau^-$ Pairs in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 011802.	7.8	63
765	Top-Quark Mass Measurement from Dilepton Events at CDF II. Physical Review Letters, 2006, 96, 152002.	7.8	25
766	Measurement of the $t\bar{t}$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 082004.	7.8	72
767	Search for Large Extra Dimensions in the Production of Jets and Missing Transverse Energy in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 171802.	7.8	43
768	Top quark mass measurement from dilepton events at CDF II with the matrix-element method. Physical Review D, 2006, 74, .	4.7	24
769	Measurement of the top quark mass using template methods on dilepton events in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 73, .	4.7	41
770	Search for a Neutral Higgs Boson Decaying to a W Boson Pair in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 081802.	7.8	19
771	Measurement of the B_c Meson Lifetime Using the Decay Mode $B_c \rightarrow \pi^0 \ell^+ \ell^-$. Physical Review Letters, 2006, 97, 012002.	7.8	73
772	Observation of $B_s \rightarrow \pi^0 \ell^+ \ell^-$ and Measurement of the Ratio of Branching Fractions $B(B_s \rightarrow \pi^0 \ell^+ \ell^-)/B(B_s \rightarrow \pi^0 \mu^+ \mu^-)$. Physical Review Letters, 2006, 96, 231801.	7.8	12
773	Measurement of the Dipion Mass Spectrum in $X(3872) \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ Decays. Physical Review Letters, 2006, 96, 102002.	7.8	121
774	Search for Higgs Bosons Decaying to $b\bar{b}$ and Produced in Association with W Bosons in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 081803.	7.8	9

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776	Search for Charged Higgs Bosons from Top Quark Decays in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 042003.	7.8	103
777	Direct Search for Dirac Magnetic Monopoles in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 201801.	7.8	39
778	Search for Scalar Bottom Quarks from Gluino Decays in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 171802.	7.8	11
779	Observation of $B_s \rightarrow K^+ K^-$ and Measurements of Branching Fractions of Charmless Two-Body Decays of B^0 and B_s^0 Mesons in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 211802.	7.8	56
780	Measurement of the $B_s \rightarrow B^0$ Oscillation Frequency. Physical Review Letters, 2006, 97, 062003.	7.8	141
781	Measurement of Bottom-Quark Hadron Masses in Exclusive J/ψ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	7.8	82
782	Top Quark Measurements at Tevatron Run II. AIP Conference Proceedings, 2005, , .	0.4	1
783	Search for Excited and Exotic Electrons in the e^+e^- Decay Channel in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 101802.	7.8	30
784	Measurement of the $t\bar{t}$ production cross section in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV using lepton+jets events with secondary vertex b-tagging. Physical Review D, 2005, 71, .	4.7	231
785	Publisher's Note: Measurement of the W boson polarization in top decay at CDF at $\sqrt{s}=1.8$ TeV [Phys. Rev. D 71, 031101 (2005)]. Physical Review D, 2005, 71, .	4.7	3
786	Measurement of the cross section for $t\bar{t}$ production in $pp\bar{p}$ collisions using the kinematics of lepton+jets events. Physical Review D, 2005, 72, .	4.7	39
787	Search for Higgs Bosons Decaying into $b\bar{b}$ and Produced in Association with a Vector Boson in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2005, 95, 051801.	7.8	13
788	Measurement of the $W+W\bar{W}$ Production Cross Section in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV using Dilepton Events. Physical Review Letters, 2005, 94, 211801.	7.8	25
789	Measurement of $B(t\bar{t} \rightarrow Wb)/B(t\bar{t} \rightarrow Wq)$ at the Collider Detector at Fermilab. Physical Review Letters, 2005, 95, 102002.	7.8	42
790	Search for New Physics Using High-Mass Tau Pairs from 1.96 TeV $pp\bar{p}$ Collisions. Physical Review Letters, 2005, 95, 131801.	7.8	40
791	Search for Anomalous Kinematics in $t\bar{t}$ Dilepton Events at CDF II. Physical Review Letters, 2005, 95, 022001.	7.8	10
792	Measurement of the Lifetime Difference between B_s Mass Eigenstates. Physical Review Letters, 2005, 94, 101803.	7.8	53

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794	Search for supersymmetric Higgs bosons in the di-tau decay mode in $pp\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2005, 72, .	4.7	8
795	Evidence for $B_s \rightarrow \tau^+ \tau^-$ Decay and Measurements of Branching Ratio and ACP for $B \rightarrow \tau^+ \tau^- K$. Physical Review Letters, 2005, 95, 031801.	7.8	33
796	Search for $B_s \rightarrow \tau^+ \tau^-$ and $B_d \rightarrow \tau^+ \tau^-$ Decays in $pp\bar{p}$ Collisions with CDF II. Physical Review Letters, 2005, 95, 0221803.	7.8	36
797	Measurement of Charged-Particle Multiplicities in Gluon and Quark Jets in $pp\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2005, 94, 171802.	7.8	14
798	Search for Long-Lived Doubly Charged Higgs Bosons in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 071801.	7.8	28
799	First Measurements of Inclusive W and Z Cross Sections from Run II of the Fermilab Tevatron Collider. Physical Review Letters, 2005, 94, 091803.	7.8	111
800	Measurement of the Cross Section for Prompt Diphoton Production in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 022003.	7.8	34
801	Measurement of Partial Widths and Search for Direct CP Violation in D^0 Meson Decays to $K^+ K^-$ and $\bar{K}^0 \pi^0$. Physical Review Letters, 2005, 94, 122001.	7.8	38
802	Measurement of $W^+ Z$ and $Z \bar{Z}$ Production in $pp\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 041803.	7.8	32
803	K_S^0 and Λ^0 production studies in $pp\bar{p}$ collisions at $\sqrt{s}=1800$ and 630 GeV. Physical Review D, 2005, 72, .	4.7	23
804	Comparison of three-jet events in $pp\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV to predictions from a next-to-leading order QCD calculation. Physical Review D, 2005, 71, .	4.7	4
805	Study of jet shapes in inclusive jet production in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	7.8	76
806	Measurements of bottom-antibottom azimuthal production correlations in proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2005, 71, .	4.7	27
807	Measurement of the $t\bar{t}$ production cross section in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV using lepton plus jets events with semileptonic B decays to muons. Physical Review D, 2005, 72, .	4.7	34
808	Measurement of the forward-backward charge asymmetry of electron-positron pairs in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	4.7	46
809	Search for scalar leptoquark pairs decaying to $l^+ l^- q \bar{q}$ in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	4.7	7
810	Search for $b \rightarrow \tau^+ \tau^-$ and $b \rightarrow \tau^+ \tau^- K$ decays in $pp\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 72, .	4.7	3

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812	Search for first-generation scalar leptoquarks in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 72, .	4.7	24
813	Measurement of the moments of the hadronic invariant mass distribution in semileptonic B decays. Physical Review D, 2005, 71, .	4.7	31
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815	Search for ZZ and ZW production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2005, 71, .	4.7	8
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