

# Davide Pagano

## List of Publications by Year in descending order

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497  
papers

34,695  
citations

4658

85  
h-index

5679

162  
g-index

504  
all docs

504  
docs citations

504  
times ranked

11771  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prompt $D_0$ , $D^+$ , and $D^{*+}$ production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	23
2	Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	7
3	Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	6
4	EmiR: Evolutionary minimization for R. SoftwareX, 2022, 18, 101083.	2.6	0
5	Pulsed production of antihydrogen. Communications Physics, 2021, 4, .	5.3	37
6	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	23
7	High-yield thermalized positronium at room temperature emitted by morphologically tuned nanochanneled silicon targets. Journal of Physics B: Atomic, Molecular and Optical Physics, 2021, 54, 085004.	1.5	11
8	Production of pions, kaons, (anti-)protons and $\phi$ mesons in Xe-Xe collisions at $\sqrt{s_{\mathrm{NN}}} = 5.44$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	12
9	Pseudorapidity distributions of charged particles as a function of mid- and forward rapidity multiplicities in pp collisions at $\sqrt{s} = 5.02, 7$ and $13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	12
10	EcoMug: An Efficient COsmic MUon Generator for cosmic-ray muon applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165732.	1.6	9
11	$K_S^0$ and (anti-) $\Lambda$ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	1
12	Charged-particle multiplicity fluctuations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	2
13	Inclusive $\psi/\psi'$ production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	6
14	$\Upsilon$ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
15	Multiplicity dependence of $\pi$ , K, and p production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	38
16	Azimuthal correlations of prompt D mesons with charged particles in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
17	Measurement of nuclear effects on $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
18	$\Upsilon$ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14

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19	(Anti-)deuteron production in pp collisions at $\sqrt{s}=13 \text{ ext \{TeV\}}$ . European Physical Journal C, 2020, 80, 1.	3.9	24
20	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7 \text{ hbox \{TeV\}}$ and $\text{p}\bar{\text{e}}\text{Pb}$ collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ hbox \{TeV\}}$ . European Physical Journal C, 2020, 80, 1.	3.9	10
21	Rydberg-positronium velocity and self-ionization studies in a 1T magnetic field and cryogenic environment. Physical Review A, 2020, 102, .	2.5	14
22	Coherent photoproduction of $\rho^0$ vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
23	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
24	Gravity and antimatter: the AEGIS experiment at CERN. Journal of Physics: Conference Series, 2020, 1342, 012016.	0.4	4
25	A cryogenic tracking detector for antihydrogen detection in the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e454" altimg="si123.svg"} \rangle \langle \text{mml:mtext} \rangle \text{AEGIS} \langle \text{mml:mtext} \rangle \langle \text{mml:math} \rangle \text{ experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 860, 163637.$	1.6	5
26	Applications of cosmic-ray muons. Progress in Particle and Nuclear Physics, 2020, 112, 103768.	14.4	34
27	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} \hat{=} \hat{=} 13 \text{ TeV}$ . European Physical Journal C, 2020, 80, 1.	3.9	49
28	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ and $5.02 \text{ TeV}$ . Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
29	Hybrid Imaging and Timing Ps Laser Excitation Diagnostics for Pulsed Antihydrogen Production. Acta Physica Polonica A, 2020, 137, 96-100.	0.5	4
30	Calibration and Equalisation of Plastic Scintillator Detectors for Antiproton Annihilation Identification Over Positron/Positronium Background. Acta Physica Polonica B, 2020, 51, 213.	0.8	6
31	Techniques for Production and Detection of $^{23}\text{S}$ Positronium. Acta Physica Polonica A, 2020, 137, 91-95.	0.5	1
32	Protocol for pulsed antihydrogen production in the AEGIS apparatus. Journal of Physics: Conference Series, 2020, 1612, 012025.	0.4	0
33	Production of $\Omega$ mesons in pp collisions at $\mathbf{\sqrt{s}=7,ext \{TeV\}}$ . European Physical Journal C, 2020, 80, 1.	3.9	4
34	Developments for pulsed antihydrogen production towards direct gravitational measurement on antimatter. Physica Scripta, 2020, 95, 114001.	2.5	1
35	A $\sim 100 \hat{=} \hat{=} 4\text{m}$ -resolution position-sensitive detector for slow positronium. Nuclear Instruments & Methods in Physics Research B, 2019, 457, 44-48.	1.4	8
36	Charged-particle pseudorapidity density at mid-rapidity in $\text{p}\bar{\text{e}}\text{Pb}$ collisions at $\sqrt{s_{\text{NN}}} = 8.16 \text{ TeV}$ . European Physical Journal C, 2019, 79, 1.	3.9	12

#	ARTICLE	IF	CITATIONS
37	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and $13.6$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	49
38	Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
39	Measurement of $\{D\}^0$ , $\{D\}^+$ , $\{D\}^{*+}$ and $\{D\}^+_{\{s\}}$ production in pp collisions at $\sqrt{s} = 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	3.9	43
40	Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s} = 7$ TeV pp and $\sqrt{s_{NN}} = 5.02$ TeV pPb collisions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
41	Cosmic ray tracking to monitor the stability of historical buildings: a feasibility study. Measurement Science and Technology, 2019, 30, 045901.	2.6	10
42	Monte-Carlo simulation of positronium laser excitation and anti-hydrogen formation via charge exchange. Hyperfine Interactions, 2019, 240, 1.	0.5	1
43	Velocity-selected production of metastable positronium. Physical Review A, 2019, 00.	2.5	17
44	Imaging a positronium cloud in a 1 Tesla. EPJ Web of Conferences, 2019, 198, 00004.	0.3	4
45	Relative particle yield fluctuations in $\sqrt{s_{NN}} = 2.76$ Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	15
46	Study of $\{v_2\}$ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
47	Positronium Rydberg excitation diagnostic in a 1T cryogenic environment. AIP Conference Proceedings, 2019, , .	0.4	5
48	Production of long-lived positronium states via laser excitation to 33P level. AIP Conference Proceedings, 2019, , .	0.4	0
49	Measurement of prompt D0, D+, D*+, and $\{D\}_S^+$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
50	The AEGIS experiment: towards antimatter gravity measurements. Journal of Physics: Conference Series, 2019, 1390, 012104.	0.4	1
51	Positronium production by stimulated decay from the $\{D\}_S^+$ state. Physical Review A, 2019, 00.	2.5	8
52	AEGIS at ELENA: outlook for physics with a pulsed cold antihydrogen beam. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2018, 376, 20170274.	3.4	8
53	Compression of a mixed antiproton and electron non-neutral plasma to high densities. European Physical Journal D, 2018, 72, 1.	1.3	17
54	Exploring the Capability of Muon Scattering Tomography for Imaging the Components in the Blast Furnace. ISIJ International, 2018, 58, 35-42.	1.4	7

#	ARTICLE	IF	CITATIONS
55	Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
56	Antiproton tagging and vertex fitting in a Timepix3 detector. Journal of Instrumentation, 2018, 13, P06004-P06004.	1.2	0
57	Measurement of $D_0$ , $D^+$ , $D^{*+}$ and $D^+s$ production in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	54
58	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
59	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	4.7	97
60	Dielectron production in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
61	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ and 2.76 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	55
62	Inclusive $J/\psi$ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
63	Neutral pion and $\eta$ meson production in pPb collisions at $\sqrt{s_{\mathrm{NN}}}$ s NN. European Physical Journal C, 2018, 78, 1.	3.9	31
64	Towards the first measurement of matter-antimatter gravitational interaction. EPJ Web of Conferences, 2018, 182, 02040.	0.3	3
65	$\phi$ meson production at forward rapidity in PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ s NN. European Physical Journal C, 2018, 78, 1.	3.9	3
66	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
67	$\Lambda_c$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
68	Measurement of the inclusive $J/\psi$ polarization at forward rapidity in pp collisions at $\sqrt{s}=8$ s. European Physical Journal C, 2018, 78, 1.	3.9	13
69	Prompt and non-prompt $J/\psi$ production and nuclear modification at mid-rapidity in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	16
70	Producing long-lived positronium via $\psi(3770)$ production in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. European Physical Journal C, 2018, 78, 1.	2.5	21
71	$\pi^0$ and $\eta$ meson production in proton-proton collisions at $\sqrt{s}=8$ s = 8 TeV. European Physical Journal C, 2018, 78, 1.	3.9	34
72	Measurement of azimuthal correlations of D mesons with charged particles in pp collisions at $\sqrt{s}=7$ TeV and pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ s NN = 5.02 TeV. European Physical Journal C, 2017, 77, 245.	3.9	23

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73	W and Z boson production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
74	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	4.1	9
75	Measurement of electrons from beauty-hadron decays in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV and Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	9
76	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
77	Characterization of a transmission positron/positronium converter for antihydrogen production. Nuclear Instruments & Methods in Physics Research B, 2017, 407, 55-66.	1.4	7
78	Production of $\pi^0$ and $\eta$ mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339.	3.9	28
79	Energy dependence of forward-rapidity $\psi(2S)$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392.	3.9	50
80	Production of $\Sigma(1385)^{\pm}$ . European Physical Journal C, 2017, 77, 389.	3.9	36
81	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
82	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s}=0.9, 7, \text{ and } 8$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	32
83	Searches for transverse momentum dependent flow vector fluctuations in Pb-Pb and p-Pb collisions at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
84	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	31
85	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	40
86	Measurement of antiproton annihilation on Cu, Ag and Au with emulsion films. Journal of Instrumentation, 2017, 12, P04021-P04021.	1.2	4
87	The AEGIS experiment at CERN: measuring antihydrogen free-fall in earth's gravitational field to test WEP with antimatter. Journal of Physics: Conference Series, 2017, 791, 012014.	0.4	7
88	The DAQ system for the AEGIS experiment. Journal of Physics: Conference Series, 2017, 898, 032014.	0.4	1
89	Advances in Ps Manipulations and Laser Studies in the AEGIS Experiment. Acta Physica Polonica B, 2017, 48, 1583.	0.8	3
90	Positronium for Antihydrogen Production in the AEGIS Experiment. Acta Physica Polonica A, 2017, 132, 1443-1449.	0.5	0

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91	Probing antimatter gravity â€“ The AEGIS experiment at CERN. EPJ Web of Conferences, 2016, 126, 02016.	0.3	2
92	Particle identification in ALICE: a Bayesian approach. European Physical Journal Plus, 2016, 131, 1.	2.6	29
93	Trapping in proton irradiated p+n-n+silicon sensors at fluences anticipated at the HL-LHC outer tracker. Journal of Instrumentation, 2016, 11, P04023-P04023.	1.2	8
94	Precision measurements of linear scattering density using muon tomography. Journal of Instrumentation, 2016, 11, P07010-P07010.	1.2	15
95	Laser excitation of the $\text{mml:math}$ $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}><\text{mml:mrow}><\text{mml:mi}>n</\text{mml:mi}><\text{mml:mo}>=</\text{mml:mo}><\text{mml:mn}>3</\text{mml:mn}></\text{mml:mrow}>$ of positronium for antihydrogen production. Physical Review A, 2016, 94, .	2.5	3
96	Centrality dependence of $\check{r}(2S)$ suppression in p-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
97	Elliptic flow of electrons from heavy-flavour hadron decays at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
98	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	40
99	Centrality dependence of charged jet production in p+Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. European Physical Journal C, 2016, 76, 271.	3.9	31
100	Direct detection of antiprotons with the Timepix3 in a new electrostatic selection beamline. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 831, 12-17.	1.6	6
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109	Testing the Weak Equivalence Principle with an antimatter beam at CERN. Journal of Physics: Conference Series, 2015, 631, 012047.	0.4	7
110	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
111	Positron bunching and electrostatic transport system for the production and emission of dense positronium clouds into vacuum. Nuclear Instruments & Methods in Physics Research B, 2015, 362, 86-92.	1.4	34
112	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	4.1	193
113	Search for heavy Majorana neutrinos in $pp \rightarrow \mu^+ \mu^- + jets$ events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.1	68
114	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	20
115	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	3.9	541
116	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	3.9	68
117	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.	3.9	191
118	Measurements of the $Z Z$ production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
119	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	63
120	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 200-224.	4.1	77
121	Search for new resonances decaying via $WZ$ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	57
122	Measurement of the $Z Z$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	16
123	Search for heavy Majorana neutrinos in $pp \rightarrow \mu^+ \mu^- + jets$ events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.1	67
124	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	4.1	24
125	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	4.1	24



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127	Measurement of the cross section ratio $\frac{\sigma(\text{jet} + \text{jet})}{\sigma(\text{jet})}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.1	15
128	Measurements of jet multiplicity and differential production cross sections of Z bosons in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	46
129	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	90
130	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	70
131	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2015, 114, 101801.	7.8	36
132	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. <i>European Physical Journal C</i> , 2015, 75, 251.	3.9	73
133	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. <i>Physical Review Letters</i> , 2015, 114, 061801.	7.8	44
134	Measurement of $\frac{\sigma(\text{jet} + \text{jet})}{\sigma(\text{jet})}$ and $\frac{\sigma(\text{jet} + \text{jet})}{\sigma(\text{jet})}$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2015, 114, 051801.	7.8	60
135	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. <i>Physical Review Letters</i> , 2015, 114, 051801.	7.8	80
136	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 66.	3.9	31
137	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 151.	3.9	44
138	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	26
139	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow \tau \nu$ and $B \rightarrow \mu \nu$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2015, 114, 051801.	4.7	17
140	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV in the dimuon and dielectron decay channels. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	27
141	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	78
142	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV decaying to a Z and a Higgs boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 748, 255-277.	4.7	17
143	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 235.	3.9	320
144	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2015, 75, 288.	3.9	54

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145	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
146	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	3.9	6
147	Yield Ratios in Pb-Pb and pPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 112301.	7.8	47
148	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $\tilde{\chi}^0_1$ decay using multilepton and diphoton final states in pp collisions at $8 \text{ TeV}$ . Physical Review D, 2014, 90, .	4.7	51
149	Searches for electroweak neutralino and chargino production in channels with Higgs bosons in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	4.7	15
150	Search for heavy neutrinos and $W$ bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	4.7	69
151	Measurement of top quark-antiquark pair production in association with a $W$ or $Z$ boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
152	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
153	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
154	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.	3.9	49
155	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and $W$ , $Z$ , and Higgs bosons in pp collisions at $8 \text{ TeV}$ . European Physical Journal C, 2014, 74, 3036.	3.9	241
156	Measurement of prompt $J/\psi$ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
157	Measurement of the production cross section for a $W$ boson and two b jets in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204-225.	4.1	23
158	Search for pair production of third-generation scalar leptiquarks and top squarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 229-249.	4.1	113
159	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	2.9	133
160		2.9	133
161		2.9	133
162		2.9	133



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181	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
182	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	3
183	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	17
184	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
185	Searches for light- and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	36
186	Determination of the top-quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	20
187	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.	4.7	169
188	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
189	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
190	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.	4.7	48
191	Measurement of the ratio $R_{bb}$ of the production cross sections of the Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	20
192	Measurement of the ratio $R_{bb}$ of the production cross sections of the Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	20

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200	Event activity dependence of $\Upsilon$ ( $nS$ ) production in $\sqrt{s_{NN}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
201	Measurements of the $\overline{\mathcal{P}}_T$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
202	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l}$ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
203	Search for $W\hat{\epsilon}^2 \hat{\tau}^+$ tb decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
204	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	31
205	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.	4.7	100
206	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	70
207	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
208	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
209	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.	4.7	85
210	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.	4.7	69
211	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
212	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.	3.9	85
213	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
214	Inclusive search for a vector-like T quark with charge $\frac{2}{3}$ in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	110
215	Modification of jet shapes in pPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.	4.1	144
216	Search for baryon number violation in top-quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 173-196.	4.1	12

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218	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.1	112
219	Search for microscopic black holes in $pp$ collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	44
220	Measurement of the $\Lambda_{b^0}$ lifetime in $pp$ collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	17
221	Searches for long-lived charged particles in $pp$ collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	118
222	Study of exclusive two-photon production of $W+W^*$ in $pp$ collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	75
223	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.	4.7	320
224	Search for the standard model Higgs boson produced in association with a top-quark pair in $pp$ collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	39
225	Studies of jet mass in dijet and $W/Z$ + jet events. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	58
226	Measurement of the $\overline{t}t$ production cross section in the all-jet final state in $pp$ collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	16
227	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in $pp$ collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	73
228	Study of the underlying event at forward rapidity in $pp$ collisions at $\sqrt{s}=0.9, 2.76, 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	50
229	Search for new physics in events with photons, jets, and missing transverse energy in $pp$ collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	15
230	Search for new physics in events with same-sign dileptons and $b$ jets in $pp$ collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	33
231	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	32
232	Search for exotic resonances decaying into $WZ/ZZ$ in $pp$ collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	20
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236	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	3.9	68
237	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1252-1272.	4.1	20
238	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 42-61.	4.1	22
239	Search for a new bottomonium state decaying to $\gamma\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	4.1	45
240	Measurement of the $\sigma(\text{pp} \rightarrow \text{Z} + \text{jet})$ in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 88, .	4.1	37
241	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	4.1	88
242	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 88, .	4.7	7
243	Measurement of the production cross section for $\text{Z}\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on $\text{ZZ}\gamma$ and $\text{Z}\gamma\gamma$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	24
244	Measurement of the W-boson helicity in top-quark decays from $\text{t} \rightarrow \text{W} + \text{jet}$ production in lepton+jet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
245	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{L}_{\pm}$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	3.9	147
246	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
247	Measurement of masses in the $\text{t}\bar{\text{t}}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55
248	Search for physics beyond the standard model in events with $\tilde{\text{L}}$ , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
249	Measurement of the $\text{t}\bar{\text{t}} + \text{jet}$ production cross section in the $\tilde{\text{L}}$ , +jets channel in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	24
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255	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	3.9	60
256	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\tilde{\Gamma}^3$ and $WWZ$ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
257	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.	4.7	46
258	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma, 2\mu, \mu\mu$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
259	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable $\hat{I}_T$ . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
260	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
261	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 7$ TeV. Physics Letters. Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 730, 1.	4.1	68
262	Measurement of the Z production cross section and search for anomalous couplings in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	41
263	Measurement of the Z production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	47
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266	Measurement of the Z production cross section and search for anomalous couplings in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	81
267	Search for anomalous production of highly boosted Z bosons decaying to $b\bar{b}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	34
268	Search for anomalous production of highly boosted Z bosons decaying to $b\bar{b}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	6
269	Search for anomalous production of highly boosted Z bosons decaying to $b\bar{b}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	6



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272	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	4.1	354
273	Search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 207-232.	4.1	89
274	Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.	4.1	45
275	Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 207-232.		
276	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.		
277	Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.		

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290	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	4.7	58
291	Inclusive Search for Supersymmetry Using Bas of Variables in $\sqrt{s}=8\text{ TeV}$ Collisions at $\sqrt{s}=8\text{ TeV}$ . Physical Review Letters, 2013, 111, 211804.	7.8	44
292	Search for Top Squarks in $\sqrt{s}=8\text{ TeV}$ Collisions at $\sqrt{s}=8\text{ TeV}$ -Parity-Violating Supersymmetry Using Three or More Leptons and $b$ -Tagged Jets. Physical Review Letters, 2013, 111, 221801.	7.8	47
293	Search for $Z$ -resonances decaying to dilepton+jet final states in pp collisions at $\sqrt{s}=7\text{ TeV}$ . Physical Review D, 2013, 87, .	4.7	34
294	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s}=7\text{ TeV}$ using the CMS detector. Physical Review D, 2013, 87, .	4.7	115
295	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .	4.7	11
296	Rapidity distributions in exclusive $Z$ -jet+ $\gamma$ events in $\sqrt{s}=8\text{ TeV}$ collisions at $\sqrt{s}=8\text{ TeV}$ . Physical Review Letters, 2013, 110, 042301.	4.7	12
297	Measurement of the $Z$ -jet+ $\gamma$ events in $\sqrt{s}=8\text{ TeV}$ collisions at $\sqrt{s}=8\text{ TeV}$ . Physical Review Letters, 2013, 110, 042301.	4.7	41
298	Measurement of the elliptic anisotropy of neutral pions in $\sqrt{s}=2.76\text{ TeV}$ collisions at $\sqrt{s}=2.76\text{ TeV}$ . Physical Review Letters, 2013, 110, 042301.	7.8	82
299	Measurement of the elliptic anisotropy of neutral pions in $\sqrt{s}=2.76\text{ TeV}$ collisions at $\sqrt{s}=2.76\text{ TeV}$ . Physical Review Letters, 2013, 110, 042301.	7.8	82
300	Evidence for Associated Production of a Single Top Quark and $W$ Boson in pp Collisions at $\sqrt{s}=7\text{ TeV}$ . Physical Review Letters, 2013, 110, 022003.	7.8	61
301	Search for pair-produced dijet resonances in four-jet final states in $\sqrt{s}=8\text{ TeV}$ collisions at $\sqrt{s}=8\text{ TeV}$ . Physical Review Letters, 2013, 110, 022003.	7.8	43
302	Search for contact interactions using the inclusive jet $p_T$ spectrum in $\sqrt{s}=8\text{ TeV}$ collisions at $\sqrt{s}=8\text{ TeV}$ . Physical Review Letters, 2013, 110, 022003.	4.7	12
303	Search for Top Squarks in $\sqrt{s}=8\text{ TeV}$ Collisions at $\sqrt{s}=8\text{ TeV}$ . Physical Review Letters, 2013, 110, 022003.	7.8	44
304	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .	4.7	13
305	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s}=2.76\text{ TeV}$ . Physical Review C, 2013, 87, .	2.9	185
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308	Measurements of new physics in top quark decay at LHC. Journal of Physics: Conference Series, 2013, 452, 012011.	0.4	1
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310	Search for exotic heavy quark partners. , 2013, , .		0
311	Search for pair production of first- and second-generation scalar leptoquarks in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 152303.	4.7	32
312	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	62
313	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	62
314	Search for a $W$ or Technicolor $W$ boson in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	29
315	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.	7.8	118
316	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
317	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	97
318	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in $pp$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	7.8	65
319	Inclusive search for squarks and gluinos in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 251801.	7.8	95
320	Search for supersymmetry in events with $b$ -quark jets and missing transverse energy in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 86, .	4.7	18
321	Inclusive search for squarks and gluinos in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 251801.	4.7	41
322	Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .	4.7	26
323	Study of the Dijet Mass Spectrum in $pp$ Events at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 251801.	7.8	15
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327	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
328	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
329	Suppression of non-prompt $J/\psi$ , prompt $J/\psi$ , 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
330	Search for heavy bottom-like quarks in $4.9\text{fb}^{-1}$ of pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
331	Measurement of the cross section for production of $b\bar{X}$ decaying to muons in pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
332	Measurement of the $Z\gamma$ b-jet cross section in pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
333	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
334	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
335	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
336	Search for leptonic decays of $W\epsilon^2$ bosons in pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
337	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
338	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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340	Search for anomalous $t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
341	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
342	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	4.7	15

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343	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
344	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
345	Measurement of the $\overline{\mathrm{t}}\mathrm{t}$ 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
346	Search for exclusive or semi-exclusive $\hat{1}\hat{3}\hat{1}$ 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
347	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
348	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
349	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
350	Search for resonant $\overline{\mathrm{t}}\mathrm{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
351	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
352	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
353	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
354	Measurement of the top-quark mass in $\overline{\mathrm{t}}\mathrm{t}$ 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
355	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
356	Measurement of the $\overline{\mathrm{t}}\mathrm{t}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	35
357	Measurement of the rapidity and transverse momentum distributions of $\overline{\mathrm{t}}\mathrm{t}$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	53
358	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	108
359	Measurement of the $\overline{\mathrm{t}}\mathrm{t}$ production cross section and the $\overline{\mathrm{t}}\mathrm{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	120
360	Measurement of the $\overline{\mathrm{t}}\mathrm{t}$ production cross section and the $\overline{\mathrm{t}}\mathrm{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	37

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361	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, 714, 158-179.	4.1	45
362	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	4.1	29
363	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	3.9	33
364	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	154
365	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
366	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	42
367	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	26
368	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.		
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379	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. <i>Physical Review Letters</i> , 2012, 108, 111801.	7.8	63
380	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	11
381	$J/\psi$ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	81
382	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\gamma, 2\ell, 2\ell\ell$ channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	26
383	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \gamma\gamma, \gamma\gamma, \gamma\gamma, \gamma\gamma, \gamma\gamma$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	11
384	Search for $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ and $B \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ decays. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	57
385	Search for a Higgs boson in the decay channel $H \rightarrow ZZ \rightarrow 4\ell$ in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	30
386	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	34
387	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	16
388	Measurement of the mass difference between top and antitop quarks. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	15
389	Study of gas purifiers for the CMS RPC detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 661, S241-S244.	1.6	16
390	A new approach in modeling the behavior of RPC detectors. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2012, 661, S182-S185.	1.6	4
391	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012, 709, 28-49.	4.1	79
392	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012, 710, 256-277.	4.1	107
393	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012, 710, 284-286.	4.1	89
394	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012, 710, 403-425.	4.1	122
395	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012, 710, 256-277.	4.1	107
396	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012, 710, 403-425.	4.1	148

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397	Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 176-197.	4.1	17
398	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
400	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
401	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
402	Exclusive $\pi^+\pi^-\pi^+\pi^-$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	56
403	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
404	Measurement of the production cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84.	4.7	45
405	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84.	4.7	88
406	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84.	4.7	65
407	Measurement of the production cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84.	4.7	35
408	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84.	2.9	155
409	Indications of suppression of excited states in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84.	7.8	153
410	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84.	7.8	54
411	Measurement of W and Z production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	4.1	39
412	Measurement of the ratio of the 3-Jet to 2-Jet cross sections 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	14
413	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
414	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	118



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415	Search for physics beyond the standard model using multilepton signatures in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.1	8
416	Measurement of the $\sigma(\tau^+\tau^-)$ production cross section in $pp$ collisions at $\sqrt{s} = 7$ TeV using the kinematic properties of events with leptons and jets. <i>European Physical Journal C</i> , 2011, 71, 1.	4.1	28
417	Charged particle multiplicities in $pp$ interactions at $\sqrt{s} = 0.9, 2.36,$ and $7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	3.9	135
418	Measurements of inclusive $W$ and $Z$ cross sections in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	3.9	37
419	Search for heavy stable charged particles in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	106
420	Inclusive $b$ -hadron production cross section with muons in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	122
421	Search for physics beyond the standard model in opposite-sign dilepton events in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	38
422	Inclusive $b$ -hadron production cross section with muons in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	23
423	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	32
424	Measurement of the lepton charge asymmetry in inclusive $W$ production in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	59
425	Measurement of Bose-Einstein correlations in $pp$ collisions at $\sqrt{s} = 0.9$ and $7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	30
426	Strange particle production in $pp$ collisions at $\sqrt{s} = 0.9$ and $7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	139
427	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	22
428	Search for resonances in the dilepton mass distribution in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	39
429	Search for physics beyond the standard model in opposite-sign dilepton events in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	26
430	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	46
431	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	10
432	Measurement of the $\sigma(m\tau^+m\tau^-)$ production cross section and the top quark mass in the dilepton channel in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	53

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433	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
434	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
435	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
436	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
437	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
438	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
439	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
440	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
441	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
442	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
443	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
444	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
445	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
446	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.	4.1	90
447	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
448	Search for a heavy gauge boson $Z'$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 196-218.	4.1	26
449	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
450	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.	4.1	10

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451	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
452	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, 107-206.	4.1	27
453	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 107-206.	4.1	30
454	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 107-206.	4.1	30
455	Measurement of the cross section for the production of a pair of second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 1802.	7.8	62
456	Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 1802.	7.8	80
457	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, 1802.	7.8	17
458	Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 211803.	7.8	208
459	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
460	Study of $Z \rightarrow \mu^+ \mu^-$ Boson Production in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
461	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	47
462	Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 211802.	7.8	21
463	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. Physical Review D, 2011, 84, .	4.7	51
464	Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221804.	7.8	53
465	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221804.	7.8	59
466	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221804.	7.8	125
467	Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221804.	7.8	61
468	Search for Three-Jet Resonances in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 101801.	7.8	34

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469	Publisher's Note: Search for Dijet Resonances in 7 TeV pp Collisions at CMS [Phys. Rev. Lett. 105, 211801 (2010)]. Physical Review Letters, 2011, 106, . Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs	7.8	9
470	Collisions at $\sqrt{s} = 7$ TeV	7.8	74
471	Collisions at $\sqrt{s} = 7$ TeV	7.8	60
472	Bosons with Large Transverse Momenta	7.8	46
473	Channel Single Top Quark Production Cross Section in $\sqrt{s} = 7$ TeV Collisions at CMS	7.8	70
474	Collisions at $\sqrt{s} = 7$ TeV	7.8	41
475	Measurement of energy flow at large pseudorapidities in pp collisions at ( $\sqrt{s} = 0.9$ ) and 7 TeV, 2011, 2011, 1.		5
476	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	3.9	50
477	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
478	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
479	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
480	Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 180-182.	1.6	2
481	Operational Experience of the Gas Gain Monitoring system of the CMS RPC muon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 146-147.	1.6	10
482	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
483	THE CMS RPC SYSTEM OVERVIEW. , 2010, , .		1
484	Collisions at $\sqrt{s} = 7$ TeV	7.8	41
485	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s} = 0.9$ TeV and Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in $\sqrt{s} = 7$ TeV Collisions at CMS	7.8	49
486	Collisions at $\sqrt{s} = 7$ TeV	7.8	400

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487	Search for Dijet Resonances in $7\text{ TeV}$ Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	7.8	126
488	The CMS RPC gas gain monitoring system: An overview and preliminary results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 805-808.	1.6	20
489	The compact muon solenoid RPC barrel detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 674-678.	1.6	2
490	Resistive plate chamber commissioning and performance in CMS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 696-699.	1.6	4
491	A configurable tracking algorithm to detect cosmic muon tracks for the CMS-RPC based technical trigger. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 792-795.	1.6	3
492	First measurements of the performance of the Barrel RPC system in CMS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 114-121.	1.6	10
493	Sensitivity and environmental response of the CMS RPC Gas Gain Monitoring system. Journal of Instrumentation, 2009, 4, P08006-P08006.	1.2	10
494	Sensitivity and environmental response of the CMS RPC gas gain monitoring system. , 2008, , .		0
495	RPC: from High Energy Physics to Positron Emission Tomography. Journal of Physics: Conference Series, 2006, 41, 555-560.	0.4	10
496	RPCs in biomedical applications. Nuclear Physics, Section B, Proceedings Supplements, 2006, 158, 166-174.	0.4	2
497	Positron Manipulation and Positronium Laser Excitation in AEGIS. Defect and Diffusion Forum, 0, 373, 11-16.	0.4	0