

Pietro Govoni

List of Publications by Year in descending order

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Version: 2024-02-01

743
papers

50,880
citations

2427
97
h-index

2895
190
g-index

760
all docs

760
docs citations

760
times ranked

12784
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	4.1	6,177
2	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	1.2	2,192
3	Combined Measurement of the Higgs Boson Mass in CMS . Collisions at 7 TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803. $\text{Collisions at } 7 \text{ TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.}$	7.8	1,062
4	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	3.6	683
5	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
6	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	4.1	520
7	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	1.2	508
8	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
9	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
10	Combined results of searches for the standard model Higgs boson in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	4.1	496
11	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7 \text{ TeV}$. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
12	Observation and studies of jet quenching in PbPb collisions at 2.76 TeV. Physical Review C, 2011, 84.	3.9	455
13	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	1.2	418
14	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of Instrumentation, 2015, 10, P06005-P06005.	1.2	410
15	Transverse Momentum and Pseudorapidity Distributions of Charged Hadrons in CMS . Collisions at 7 TeV. Physical Review Letters, 2010, 105, 022002.	7.8	400
16	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. Nature, 2015, 522, 68-72.	27.8	390
17	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
18	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	369

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19	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
20	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
21	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
22	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
23	Search for dark matter, extra dimensions, and unparticles in monojet events in proton+proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
24	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
25	Measurement of the Branching Fraction and Search for the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z and Z' . Physical Review Letters, 2013, 110, 081803.	7.8	282
26	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z and Z' . Physical Review Letters, 2013, 110, 081803.	7.8	270
27	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W , Z , and Higgs bosons in pp collisions at 8 TeV. European Physical Journal C, 2014, 74, 3036.	3.9	241
28	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
29	Observation of Sequential Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220
30	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
31	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200
32	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
33	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
34	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
35	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2013, 87, 024905.	4.1	185
36	Constraints on the spin-parity and anomalous couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, 094015.	4.7	185

#	ARTICLE	IF	CITATIONS
37	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ mbox}[TeV]$. European Physical Journal C, 2012, 72, 1.	3.9	181
38	Search for heavy neutrinos and \mathcal{W} bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2014, 74, 3149.	3.9	179
39	Evidence for Collective Multiparticle Correlations in $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\text{display}=\text{"inline"}>\langle \text{mml:mrow}\rangle\langle \text{mml:mi}\rangle p \langle / \text{mml:mi}\rangle \langle \text{mml:mtext}\rangle \hat{\wedge}^{\wedge} \langle / \text{mml:mtext}\rangle \langle \text{mml:mi}\rangle \text{Pb} \langle / \text{mml:mi}\rangle \langle \text{mml:mrow}\rangle \langle \text{mml:math}\rangle^{7.8} \langle / \text{mml:math}\rangle \langle \text{mml:math}\rangle^{177} \text{Co}$ Physical Review Letters, 2015, 115, 012301.		
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55	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of Instrumentation, 2013, 8, P09009-P09009.	1.2	140
56	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and Pb collisions. Physical Review C, 2015, 92, .	2.9	140
57	Strange particle production in pp collisions at $\sqrt{s} = 0.9 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1. Measurement of Long-Range Near-Side Two-Particle Angular Correlations in PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review Letters, 2016, 116, 172302.	4.7	139
58	Collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review Letters, 2016, 116, 172302.	7.8	139
59	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
60	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2011, 71, 1.	3.9	135
61	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review C, 2014, 89.	2.9	133
62	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	4.1	130
63	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	129
64	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 64-85.	4.1	129
65	Search for Dijet Resonances in $\sqrt{s} = 7 \text{ TeV}$ Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	7.8	126
66	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
67	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2011, 107, 132001.	7.8	125
68	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	3.9	125
69	Evidence for the 125 GeV Higgs boson decaying to a pair of τ_\pm leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
70	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
71	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1. Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 256-277.	4.7	122
72	2.76 TeV . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 256-277.	4.1	122

#	ARTICLE	IF	CITATIONS
73	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.		
74	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
75	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	4.1	120
76	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$ at the LHC. Journal of Instrumentation, 2013, 8, P11002-P11002.	1.2	119
77	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
78	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2012, 109, 171803.	7.8	118
79	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7 \text{ and } 8 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
80	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
81	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. The CMS Experiment: Physics Performance, 2012, 27.	4.7	115
82	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2016, 116, 071801.	7.8	114
83	Observation of a peaking structure in the $\sqrt{s} = 7 \text{ TeV}$ $t\bar{t}$ mass spectrum from $\sqrt{s} = 7 \text{ TeV}$ pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 113.	2.9	113
84	Measurement of the rapidity and transverse momentum distributions of $t\bar{t}$ and Z bosons in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 149-171.	4.1	112
85	Measurement of the rapidity and transverse momentum distributions of $t\bar{t}$ and Z bosons in $\sqrt{s} = 7 \text{ TeV}$ pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 110.	4.1	110
86	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 0.9 \text{ , } 2.36, \text{ and } 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	108
87	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review Letters, 2012, 109, 022301.	7.8	108
88	Charged-particle nuclear modification factors in PbPb and pPb collisions at $s/N = 5.02 \text{ } \text{GeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	107
89	Charged-particle multiplicities in pp interactions at $\sqrt{s} = 0.9 \text{ , } 2.36, \text{ and } 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
90	Charged-particle nuclear modification factors in PbPb and pPb collisions at $s/N = 5.02 \text{ } \text{GeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103

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91	Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i> , 2011, 6, P09001-P09001.	1.2	102
92	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	101
93	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	100
94	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2011, 2011, 1. <small>Measurement of the prompt charm hadron production in the http://www.w3.org/1998/Math/MathML format. The input file is available at https://cds.cern.ch/record/1300000/files/1300000.pdf.</small>	4.7	99
95	$\text{altimg="si1.gif" overflow="scroll"><mml:mi>J</mml:mi><mml:mo>\times</mml:mo><mml:mi>J</mml:mi><mml:math display="block">\hat{\tau}_{J,J} = \frac{1}{2} \int d\Omega \int d\Omega' \delta^4(\vec{p}_1 - \vec{p}_2) \delta^4(\vec{p}'_1 - \vec{p}'_2) \langle J(\vec{p}_1) J(\vec{p}_2) J(\vec{p}'_1) J(\vec{p}'_2) \rangle$ $\text{altimg="si2.gif" overflow="scroll"><mml:mi>J</mml:mi><mml:math display="block">\hat{\tau}_{J,J} = \frac{1}{2} \int d\Omega \int d\Omega' \delta^4(\vec{p}_1 - \vec{p}_2) \delta^4(\vec{p}'_1 - \vec{p}'_2) \langle J(\vec{p}_1) J(\vec{p}_2) J(\vec{p}'_1) J(\vec{p}'_2) \rangle$		

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109	Searches for new physics using the $t\bar{t}$ invariant mass distribution in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2013, 111, 211804.	7.8	90
110	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2015, 91, 112003.	4.7	90
111	Upsilon production cross section in $t\bar{t}$ collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2015, 91, 112004.	4.7	88
112	Search for the standard model Higgs boson decaying to $t\bar{t}$ at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2015, 91, 112005.	4.7	88
113	In the fully leptonic final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	88
114	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	88
115	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 147.	3.9	88
116	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	4.1	87
117	Angular analysis of the decay $B \rightarrow D^{\ast 0} \ell^+ \ell^-$ from pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	4.1	87
118	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
119	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
120	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
121	Evidence of jet Quenching in PbPb Collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review Letters, 2011, 110, 132301.	7.8	85
122	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
123	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
124	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2014, 74, 2847.	3.9	85
125	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
126	Measurement of the single-top-quark t-channel cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83

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127	$\text{W}^+ \text{W}^- \text{W}^- \text{W}^+$ boson production in PbPb and pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Measurement of the muon charge asymmetry in inclusive $\text{W}^+ \text{W}^-$ Elementary Particle and High-Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 83, 41.	4.7	83
128	$\text{W}^+ \text{W}^- \text{W}^- \text{W}^+$ production at $\sqrt{s} = 2.76 \text{ TeV}$. Measurement of the differential cross section and charge asymmetry for inclusive $\text{W}^+ \text{W}^-$ Elementary Particle and High-Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 83, 41.	4.7	83
129	$\text{W}^+ \text{W}^- \text{W}^- \text{W}^+$ production at $\sqrt{s} = 8 \text{ TeV}$. Measurement of the differential cross section and charge asymmetry for inclusive $\text{W}^+ \text{W}^-$ Elementary Particle and High-Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 83, 41.	3.9	83
130	Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at $\sqrt{s} = 5.02 \text{ TeV}$. Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at $\sqrt{s} = 5.02 \text{ TeV}$. European Physical Journal C, 2018, 78, 509.	3.9	83
131	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2018, 78, 509.	7.8	82
132	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. European Physical Journal C, 2017, 77, 252.	3.9	82
133	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
134	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2018, 78, 509.	4.1	81
135	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. 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
136	Search for a charged Higgs boson in pp collisions at $s = 8 \text{ TeV}$. Search for a charged Higgs boson in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
137	Search for a charged Higgs boson in pp collisions at $s = 8 \text{ TeV}$. Search for a charged Higgs boson in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	7.8	80
138	Search for a charged Higgs boson in pp collisions at $s = 8 \text{ TeV}$. Search for a charged Higgs boson in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	7.8	80
139	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	7.8	80
140	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	4.1	79
141	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8 \text{ TeV}$. Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
142	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 175.	3.9	78
143	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 175.	3.9	78
144	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77

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145	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, 210-224.	4.1	77
146	Inclusive and differential measurements of the charge asymmetry in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics 2015, 742, 210-224.	4.1	76
147	Search for Top-Quark Partners with Charge ± 1 in the Same-Sign Dilepton Final State. Physical Review Letters. 2014, 112, 171801.	7.8	76
148	Study of exclusive two-photon production of $W + W'$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
149	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2014, 74, 1.	3.9	75
150	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in $\sqrt{s} = 7 \text{ TeV}$ Collisions at the LHC. Physical Review Letters. 2011, 106, 231801.	7.8	74
151	Measurement of the $W + W$ -cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
152	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \pi^+ \pi^-$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
153	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review D, 2015, 91, 032003.	4.7	73
154	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
155	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 7 \text{ TeV}$ and 13 TeV . Physical Review Letters. 2016, 117, 051802.	7.8	73
156	Search for vectorlike charge ± 1 in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters. 2016, 117, 051802.	7.8	73

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163	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $s = 8\text{TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	69
164	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
165	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
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167	Search for heavy Majorana neutrinos in $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll">\rangle \langle \text{mml:msup} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mi} \text{>} \hat{l}^{1/4} \text{</mml:mi} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mo} \text{>} \hat{\pm} \text{</mml:mo} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mi} \text{>} s \text{</mml:mi} \text{>} \langle \text{mml:math} \text{>}$ + jets events in proton-proton collisions at $\sqrt{s} = 7\text{TeV}$. Physics Letters, Section B: Nuclear, Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7TeV and determination of the strong coupling constant in the TeV Range. European Physical Journal C, 2015, 75, 186.	4.1	68
168	Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 7\text{TeV}$. European Physical Journal C, 2019, 79, 368.	3.9	68
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170	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll">\rangle \langle \text{mml:msup} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mi} \text{>} \hat{l}^{1/4} \text{</mml:mi} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mo} \text{>} + \text{</mml:mo} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mi} \text{>} s \text{</mml:mi} \text{>} \langle \text{mml:math} \text{>}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 434-453.	4.1	65
171	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si1.gif" overflow="scroll">\rangle \langle \text{mml:msup} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mi} \text{>} \hat{l}^{1/4} \text{</mml:mi} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mo} \text{>} + \text{</mml:mo} \text{>} \langle \text{mml:mrow} \text{>} \langle \text{mml:mi} \text{>} s \text{</mml:mi} \text{>} \langle \text{mml:math} \text{>}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 434-453.	4.1	65
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175	Observation of a New $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ display="block">\rangle \langle \text{mml:msub} \text{>} \langle \text{mml:mi} \text{>} \hat{l}^2 \text{</mml:mi} \text{>} \langle \text{mml:mi} \text{>} b \text{</mml:mi} \text{>} \langle \text{mml:math} \text{>}$ Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
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178	Search for flavor-changing Neutral Currents in Top Quark Decays. European Physical Journal C, 2013, 73, 2283.	3.9	64
179	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13\text{TeV}$. European Physical Journal C, 2016, 76, 439.	3.9	64
180	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13\text{TeV}$. European Physical Journal C, 2016, 76, 439.	3.9	64

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185	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
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189	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous WW^3 and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
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191	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
192	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
193	Measurement of the Production Cross Section in $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review Letters, 2013, 110, 022003.	7.8	61
194	Evidence for Associated Production of a Single Top Quark and WBoson in ppCollisions at $\sqrt{s}=7 \text{ TeV}$. Physical Review Letters, 2013, 110, 022003.	7.8	61
195	Measurement of prompt J/ψ pair production in pp collisions at $s = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
196	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 714, 158-179.	4.7	61
197	Search for resonant production in $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 714, 158-179.	4.7	61
198	Search for resonant production in $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 714, 158-179.	4.7	61

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199	Dijet Azimuthal Decorrelations in mml:math $\text{xmns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"}$ $\langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ Collisions at mml:math $\text{xmns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"}$ $\langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \text{e}^{\alpha_s(s)} \langle / \text{mml:math} \rangle$ <i>Physical Review Letters</i> , 2011, 106, 122003.	7.8	60
200	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013, 73, 13. $\text{display} = \text{"inline"}$ $\langle \text{mml:mi} \rangle j \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy} = \text{"false"} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ and mml:math $\text{xmns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"}$ $\langle \text{mml:mi} \rangle t \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy} = \text{"false"} \rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle / \text{mml:mn} \rangle \langle \text{mml:mi} \rangle S \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle T \rangle \text{ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 64}$	3.9	60
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219	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 578.	3.9	57
220	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	57
221	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	57
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223	Exclusive $\hat{t}^3\hat{t}^3 \rightarrow \frac{1}{4}\hat{t}^4 + \frac{1}{4}\hat{t}^2$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	56
224	Measurement of the ratio of inclusive jet cross sections using the anti- kt algorithm with radius parameters. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	56
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226	Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 713, 408-433.	4.7	56
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229	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. <i>Physical Review D</i> , 2015, 92, .	4.7	55
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231	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 106, 201604.	7.8	54
232	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 725, 243-270.	4.1	54
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241	Measurement of prompt and nonprompt $\psi J/\psi$ production in $p p$ and $p Pb$ collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2017, 77, 269.	3.9	53
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244	Measurement of the $Z Z$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.1	52
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256	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7 \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49
257	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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261	Measurement of the differential cross section of $WZ \rightarrow e\mu$ production in proton-proton collisions at $\sqrt{s} = 8 \text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	4.1	49
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264	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13 \text{TeV}$. European Physical Journal C, 2019, 79, 364.	3.9	48
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266	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7 \text{TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
267	Measurement of the differential cross section of $WZ \rightarrow e\mu$ production in proton-proton collisions at $\sqrt{s} = 8 \text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	4.1	47
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273	274	4.7	46
	stretchy="false">\rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \text{ mathvariant="script">B \langle / \text{mml:mi} \rangle \langle \text{mml:mo stretchy="false">\rangle \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \text{ mathvariant="normal">t \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (stret		

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295	Search for decays of stopped long-lived particles produced in protonâ€“proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 151.	3.9	44
296	Search for standard model production of four top quarks with same-sign and multilepton final states in protonâ€“proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2018, 78, 140.	3.9	44
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310	Search for Stopped Gluinos in $\langle \text{mml:math} \rangle$ $\text{xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"} \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math}$ $\text{xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"} \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \text{e}^{\%} \langle / \text{mml:mtext} \rangle$	7.8	41
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314	Search for fractionally charged particles in $\langle \text{mml:math} \rangle$ $\text{xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle A \langle / \text{mml:mtext} \rangle$ $\text{display} = \text{"inline"} \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle \text{collisions at} \langle \text{mml:math}$ $\text{xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"} \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \text{e}^{\%} \langle / \text{mml:mtext} \rangle$	4.7	41
315	Search for pair-produced vector-like $\langle \text{mml:math} \rangle$ $\text{xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"} \langle \text{mml:mi} \rangle B \langle / \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{quarks in proton-proton collisions at} \langle \text{mml:math}$ $\text{xmlns:mml} = \text{http://www.w3.org/1998/Math/MathML}$ $\text{display} = \text{"inline"} \langle \text{mml:mrow} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle s \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle / \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \text{e}^{\%} \langle / \text{mml:mtext} \rangle$	4.7	41
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321	Measurement of the $t\bar{t}$ production cross section using events in the $e\bar{e}$ final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 172.	3.9	40
322	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	3.9	40
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346	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2011, 71, 1.	4.1	37
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354	Search for heavy-flavour three-jet resonances in pp collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2015, 114, 101801.	4.7	36
355	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. <i>Physical Review Letters</i> , 2015, 114, 101801.	4.1	36
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508	Study of meson production in proton-proton collisions at $s = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	7.8	20
509	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $s = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	20
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511	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	20
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558	<i>Measurement of the production cross section ratio $f(\text{fb}(2\text{L})) / f(\text{fb}(1\text{P}))$ in pp collisions at $s = 7 \text{ TeV}$</i> Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	16

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573	Search for a Higgs boson decaying into $\tau^+ \tau^-$ with low dilepton mass in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	4.1	15
574	Measurement of the cross section ratio $\frac{\sigma(\tau^+ \tau^-)}{\sigma(e^+ e^-)}$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	4.1	15
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584	Search for s channel single top quark production in pp collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
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602	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
603	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	4.1	13
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607	Jet properties in PbPb and pp collisions at $\sqrt{s_{\text{NN}}} = 5.02 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
608	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
609	Search for first generation scalar leptoquarks in the mml:math $\text{display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si1.gif" overflow="scroll"><mml:mi>e</mml:mi><mml:mi>\hat{\nu}_2</mml:mi><mml:mi>e</mml:mi></mml:math>}$ $\text{channel in pp collisions at } \langle mml:math display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si2.gif" overflow="scroll"><mml:mi>jj</mml:mi></mml:math>}$	4.1	12
610	Search for first generation scalar leptoquarks in the mml:math $\text{display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si1.gif" overflow="scroll"><mml:mi>s</mml:mi></mml:math>}$ $\text{Search for first generation scalar leptoquarks in the } \langle mml:math display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si2.gif" overflow="scroll"><mml:mi>jj</mml:mi></mml:math>}$	4.7	12
611	Search for first generation scalar leptoquarks in the mml:math $\text{display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si1.gif" overflow="scroll"><mml:mi>T</mml:mi></mml:math>}$ $\text{Search for first generation scalar leptoquarks in the } \langle mml:math display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si2.gif" overflow="scroll"><mml:mi>T</mml:mi></mml:math>}$	4.7	12
612	Search for first generation scalar leptoquarks in the mml:math $\text{display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si1.gif" overflow="scroll"><mml:mi>p</mml:mi></mml:math>}$ $\text{Search for first generation scalar leptoquarks in the } \langle mml:math display="block">\langle mml:math display="block">\langle mml:mi>\text{alimg="si2.gif" overflow="scroll"><mml:mi>p</mml:mi></mml:math>}$	4.7	12

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614	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
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620	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 1.	3.9	12
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629	Measurement of the $Z\tilde{l}^3$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	4.7	11
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