

Nasuf Sonmez

List of Publications by Year in descending order

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Version: 2024-02-01

312
papers

29,495
citations

7096

78
h-index

5829

161
g-index

312
all docs

312
docs citations

312
times ranked

11260
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	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
4	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	1.2	508
5	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
6	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	4.7	470
7	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
8	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, .	2.9	455
9	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	1.2	418
10	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review Letters, 2010, 105, 022002.	7.8	400
11	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
12	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
13	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
14	Measurement of the $B \rightarrow \mu^+ \mu^-$ branching fraction and search for $B \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2013, 110, 081803.	7.8	282
15	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $\mu^+ \mu^-$ and $Z \mu^+ \mu^-$ Boson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	270
16	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
17	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
18	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

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19	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	2.9	185
20	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

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#	ARTICLE	IF	CITATIONS
37	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
38	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
39	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	7.8	125
40	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	125
41	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
42	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 256-277.	4.1	122
43	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
44	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	4.1	120
45	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC. Journal of Instrumentation, 2013, 8, P11002-P11002.	1.2	119
46	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
47	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
48	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
49	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	117
50	Observation of a peaking structure in the dijet mass spectrum from pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	4.1	112
51	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	4.7	108
52	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions. Physical Review Letters, 2012, 109, 022301.	4.1	108
53	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
54	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	1.2	102

#	ARTICLE	IF	CITATIONS
55	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
56	Measurement of the prompt J/ψ and $\psi(2S)$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A 2011, 876, 1.		

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73	Measurement of the $\chi(3872)$ production in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	83
74	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	82
75	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
76	Study of $\chi(3872)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	81
77	Production of $\chi(3872)$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	80
78	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
79	Inclusive and differential measurements of the charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 709, 28-49.	4.1	79
80	Measurement of the charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 112, 171801.	4.1	76
81	Search for Top Quark Partners with Charge Parity in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 112, 171801.	7.8	76
82	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
83	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231801.	7.8	74
84	Measurement of the $\chi(3872)$ production cross section via decays to $J/\psi \bar{\psi} + \bar{\psi} \psi$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
85	Measurement of the $\chi(3872)$ production cross section via decays to $J/\psi \bar{\psi} + \bar{\psi} \psi$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	71
86	Channel Single Top Quark Production Cross Section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	70
87	Measurement of the $\chi(3872)$ 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
88	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	68
89	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
90	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	68

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91	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
92	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
93	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
94	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 252002.	7.8	65
95	Observation of a New Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
96	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2283.	3.9	64
97	Search for Flavor-Changing Neutral Currents in Top-Quark Decays in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 111801.	7.8	64
98	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	7.8	63
99	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. Physical Review Letters, 2012, 108, 111801.	7.8	63
100	Measurements of Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	63
101	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
102	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-286.	7.8	62
103	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\gamma^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
104	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\gamma^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
105	Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	61
106	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61
107	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 122003.	7.8	60
108	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

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109	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	1.2	59
110	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	1.2	59
111	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
112	Search for a Vectorlike Quark with Charge $\frac{2}{3}$ in $t\bar{t}$ Events from CMS. Journal of High Energy Physics, 2012, 2012, 1.	7.8	59
113	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
114	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
115	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	4.7	58
116	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	1.2	57
117			

#	ARTICLE	IF	CITATIONS
127	ment of the $\langle \text{mml:math xmlns:mml}="http://www.w3.org/1998/Math/MathML" \text{ altimg}="si1.gif" \text{ overflow}="scroll">\langle \text{mml:mi}>1 \langle / \text{mml:mi}>\langle \text{mml:mo} \text{ stretchy}="false">(\langle / \text{mml:mo}>\langle \text{mml:mn}>1 \langle / \text{mml:mn}>\langle \text{mml:mi} \text{ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td (mathvariant}="normal" \text{ altimg}="si2.gif" \text{ overflow}="scroll">\langle \text{mml:mi}>1 \langle / \text{mml:mi}>\langle \text{mml:mo} \text{ stretchy}="false">(\langle / \text{mml:mo}>\langle \text{mml:mn}>1 \langle / \text{mml:mn}>\langle \text{mml:mi}$		

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145	Measurement of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	47
146	Search for Top Squarks in Parity-Violating Supersymmetry Using Three or More Leptons and Tagged Jets. Physical Review Letters, 2013, 111, 221801.	7.8	47
147	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
148	Measurement of the Polarization of W Bosons with Large Transverse Momenta in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	7.8	46
149	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
150	Measurement of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	45
151	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
152	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	4.1	45
153	Angular analysis and branching fraction measurement of the decay $B \rightarrow \text{t}\bar{\text{t}}$. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	4.1	45
154	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	4.1	45
155	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	45
156	Inclusive Search for Supersymmetry Using Razor Variables in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
157	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	7.8	44
158	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	7.8	44
159	Search for Stopped Gluinos in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	7.8	43
160	Measurement of the top-quark mass in $\text{t}\bar{\text{t}}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
161	Search for Quark Compositeness with the Dijet Centrality Ratio in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	7.8	41
162	Search for Stopped Gluinos in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	7.8	41

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163	Inclusive search for squarks and gluinos in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
164	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
165	Search for fractionally charged particles in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	41
166	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	41
167	Measurement of $W\bar{1}^3$ and $Z\bar{1}^3$ 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
169	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
170	Inclusive b-jet production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
171	Measurement of the $Z\bar{1}^3$ b-jet cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
172	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
173	Measurement of the ZZ production cross section and search for anomalous couplings in $2\bar{1}^3, 2\bar{1}^3, \bar{1}^2$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
174	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
175	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
176	Search for heavy stable charged particles in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
177	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
178	Measurement of the top-quark mass in $t\bar{1}^3$ 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
179	Search for pair produced fourth-generation up-type quarks in pp collisions at $\sqrt{s}=7$ TeV with a lepton in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 307-328.	4.1	38
180	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	1.2	37

#	ARTICLE	IF	CITATIONS
181	Measurement of the $\sigma(\text{pp} \rightarrow \text{lepton} + \text{jet})$ production cross section in pp collisions at $\sqrt{s}=7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	3.9	37
182	Measurement of the $\sigma(\text{pp} \rightarrow \text{lepton} + \text{jet})$ cross section and the $\sigma(\text{pp} \rightarrow \text{lepton} + \text{jet})$ cross section in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	4.1	37
183	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, 2011, 715, 1.	4.1	37
184	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, 2011, 715, 1.	4.1	37
185	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, 2011, 715, 1.	4.7	37
186	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	1.2	36
187	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	1.2	36
188	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
189	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 715, 1.	4.1	36
190	Search for light and heavy-flavour three-jet resonances in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 715, 1.	4.1	36
191	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	1.2	35
192	Measurement of the $\sigma(\text{pp} \rightarrow \text{lepton} + \text{jet})$ Cross Section with $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 715, 1.	4.7	35
193	Measurement of the $\sigma(\text{pp} \rightarrow \text{lepton} + \text{jet})$ production cross section in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 715, 1.	4.7	35
194	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
195	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	1.2	34
196	Search for Three-Jet Resonances in $\text{pp} \rightarrow \text{lepton} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 107, 101801.	7.8	34
197	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
198	Search for microscopic black holes in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34

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199	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable $\hat{t} \pm T$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
200	Search for a W boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.1	34
201	Search for Z resonances decaying to dilepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	34
202	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	33
203	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
204	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
205	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
206	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
207	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
208	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
209	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
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216	Search for high-mass resonances decaying into dilepton pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	29

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218	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 722, 273-294.	4.1	28
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220	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
221	Search for a heavy gauge boson in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.1	26
222	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
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225	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. <i>European Physical Journal C</i> , 2012, .	3.9	26
226	Search for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 752-772.	4.1	26
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228	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	26
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230	Measurement of the muon stopping power in lead tungstate. <i>Journal of Instrumentation</i> , 2010, 5, P03007-P03007.	1.2	25
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233	Performance of the CMS drift tube chambers with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03015-T03015.	1.2	24
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237	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	1.2	23
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239	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
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251	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	1.2	19
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269	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	15
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282	Search for first-generation scalar leptoquarks in the $e\gamma$ channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	12
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