

Darko MekteroviÄ

List of Publications by Year in descending order

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Version: 2024-02-01

370
papers

32,579
citations

4960

84
h-index

5539

163
g-index

377
all docs

377
docs citations

377
times ranked

11588
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	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
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	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	4.1	470
6	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
7	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, 044907.	2.9	455
8	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P06005-P06005.	1.2	410
9	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
10	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
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 the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
14	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
15	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
16	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, 012002.	4.7	299
17	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $Z\gamma$ Boson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	270
18	Observation of Sequential $\mu^+ \mu^-$ Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220

#	ARTICLE	IF	CITATIONS
19	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
20	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
21	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
22	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
23	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, .	4.7	185
24	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
25	Neutron Skin of ^{208}Pb from Coherent Pion Photoproduction. Physical Review Letters, 2014, 112, 242502.	7.8	180
26	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.	3.9	179
27	Evidence for Collective Multiparticle Correlations in ^{208}Pb collisions. Physical Review Letters, 2015, 115, 012301.	7.8	177
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#	ARTICLE	IF	CITATIONS
37	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
38	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, \sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	154
39	Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.	7.8	153
40	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	148
41	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{t} T and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	3.9	147
42	Modification of jet shapes in PbPb 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
43	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
44	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 89, .	4.9	133
45	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	4.1	130
46	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
47	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
48	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
49	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	7.8	125
50	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l}, \tilde{\nu}$, leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
51	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 0.9, 2.76, \sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	4.1	122
52	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
53	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
54	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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55	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2012, 109, 171803.	7.8	118
56	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
57	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
58	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review D, 2013, 87, 034005.	4.7	115
59	Observation of a peaking structure in the Λ^0 baryon production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review Letters, 2012, 109, 022301.	2.9	113
60	Mass spectrum from Λ^0 baryon production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review Letters, 2012, 109, 022301.	4.1	112
61	Experimental study of the Λ^0 baryon production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review C, 2010, 82, 054907.	2.9	110
62	Inclusive search for a vector-like T quark with charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review Letters, 2014, 729, 149-171.	4.1	110
63	Observation of the Associated Production of a Single Top Quark and a Higgs Boson in pp Collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review Letters, 2012, 109, 022301.	4.7	108
64	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.	7.8	108
65	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	102
66	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	1.2	102
67	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
68	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
69	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
70	Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ \rightarrow 4\ell$ in pp Collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review Letters, 2012, 109, 022301.	7.8	97
71	Production in pp Collisions at $\sqrt{s} = 7$ and 8 TeV. The CMS Collaboration, Physical Review Letters, 2012, 109, 022301.	7.8	95
72	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

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73	Measurement of $W+W\gamma$ production and search for the Higgs boson in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	94
74	Measurement of Inclusive Z Boson Production Cross Sections in pp Collisions at $\sqrt{s}=8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	1.2	93
75	Performance of τ, q -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	1.2	91
77	Searches for new physics using θ_{eff} invariant mass distribution in pp collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2013, 111, 211804.	7.8	90
78	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2015, 91, 032001.	4.7	90
79	Search for the standard model Higgs boson decaying to WZ and $W\gamma$ in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 726, 587-609.	4.1	89
80	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	4.1	87
81	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 147.	3.9	88
82	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
84	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
85	Evidence of b -jet Quenching in PbPb Collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 713, 1322-1331.	7.8	85
86	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
87	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
88	Study of W boson production in PbPb and pp collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 713, 1322-1331.	4.7	83
89	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	83
90	J/ψ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81

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91	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	81
92	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
93	Study of Z Boson Production in PbPb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
94	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
95	Measurement of the charge asymmetry in top-quark pair production in proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	4.1	79
96	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	78
97	Determination of the top-quark pole mass and Yukawa coupling constant from the dilepton production cross section in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 231801.	4.1	76
98	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
99	Measurements of the charge asymmetry in proton collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 231801.	4.1	76
100	Search for Top-Quark Partners with Charge in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	7.8	76
101	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
102	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
103	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
104	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, .	4.7	73
105	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
106	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 231801.	4.7	71
107	Channel Single Top Quark Production Cross Section in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 231801.	7.8	70
108	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2014, 90, .	4.7	70

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109	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
110	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. Physical Review D, 2015, 91, .	4.7	70
111	Measurement of the $\overline{\sigma}(\text{t})$ 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
112	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
113	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
114	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
115	Search for heavy Majorana neutrinos in $pp \rightarrow \text{t} + \text{jets}$ events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, Section B: Nuclear and Particle Physics, 2015, 115, 111801.	4.1	68
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	Search for a standard-model-like Higgs boson in the $pp \rightarrow \text{t} + \text{jet} + \text{photon}$ channel. Physics Letters, Section B: Nuclear and Particle Physics, 2015, 343, 111801.	4.1	67
118	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
119	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
120	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2012, 108, 252002.	7.8	65
121	Observation of a New Λ_b Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
122	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7, \text{TeV}$. European Physical Journal C, 2014, 74, 3129.	3.9	65
123	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	7.8	64
124	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
125	Measurements of $\text{t} \rightarrow \text{b} \gamma$ and $\text{t} \rightarrow \text{q} \gamma$ Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 115, 111801.	7.8	63

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127	Search for pair-produced resonances decaying to jet pairs in protonâ€“proton collisions at $s=8\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	4.1	63
128	Measurement of the Z boson differential cross section in transverse momentum and rapidity in protonâ€“proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	4.1	63
129	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
130	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, 284-306.	4.1	62
131	Production Cross Section in pp Collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 1.	7.8	61
132	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 1.	4.7	61
133	Search for pair production of third-generation scalar leptoquarks and top squarks in protonâ€“proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	4.1	61
134	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	60
135	Search for the production of a new particle decaying to a photon and a Z boson in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	60
136	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
137	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
138	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
139	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
140	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	4.7	58
141	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
142			

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145	Measurement of the production cross sections of Z bosons produced in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 741, 12-37.	4.1	57
146	Differential cross section measurements for the production of a W boson in association with jets in proton-proton collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	57
147	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
148	Exclusive $\bar{p} \rightarrow \bar{p} + \bar{p}$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	56
149	Measurement of the ratio of inclusive jet cross sections using the anti-k algorithm with radius parameters $R = 0.5$ and $R = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
150	Event activity dependence of $\bar{p} \rightarrow \bar{p}$ production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
151	New Precise Measurement of the Pion Weak Form Factors in $\bar{p} \rightarrow \bar{p} + \bar{p}$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2009, 103, 051802.	7.8	55
152	Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 408-433.	4.1	55
153	Measurement of masses in the $\bar{p} \rightarrow \bar{p}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55
154	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
155	Measurement of the slope parameter \hat{p}_T for the production of dijet angular distributions and search for quark compositeness in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review C, 2009, 79, 014907.	2.9	54
156	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201804.	7.8	54
157	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 1-10.	4.1	54
158	Measurement of the $\bar{p} \rightarrow \bar{p}$ production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2009, 79, 014907.		

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163	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
164	Photoproduction of π^0 on protons and the $\Delta(1700)$ resonance. European Physical Journal A, 2009, 42, 141.	2.5	52
165	Coherent photoproduction of ρ -mesons off ^3He search for ρ -mesic nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 21-27.	4.1	52
166	Measurement of the π^0 production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	52
167	Measurement of the π^0 production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	52
168	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
169	Search for exclusive or semi-exclusive π^0 production and observation of exclusive and semi-exclusive π^0 production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	51
170	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
171	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, 151802.	7.8	49
172	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	50
173	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
174	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
175	Search for leptonic decays of W bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
176	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
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178	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	4.7	48
179	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
180	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

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182	Measurement of Prompt $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{J} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ Yield Ratios in Pb-Pb and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{J} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (stretchy="false")	7.8	47
183	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
184	Measurement of the Polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{W} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Bosons with Large Transverse Momenta in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{W} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mtext} \rangle$ jets $\langle \text{mml:mtext} \rangle \langle \text{mml:math} \rangle$ Events at the LHC. Physical Review Letters, 2011, 107, 021802.	7.8	46
185	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
186	Measurement of the ratio $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (stretchy="false")		

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200	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	7.8	44
201	Search for decays of stopped long-lived particles produced in proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	3.9	44
202	Search for pair-produced dijet resonances in four-jet final states in proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	7.8	43
203	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
204	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
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207	Determination of the Dalitz plot parameter α for the decay $\eta \rightarrow 3 \pi^0$ with the Crystal Ball at MAMI-B. European Physical Journal A, 2009, 39, 169-177.	2.5	42
208	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
209	Study of W boson production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	4.1	42
210	Determination of the \tilde{t} -transition form factor in the $\tilde{t} \rightarrow t \gamma$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 102-124.	4.1	41
211	Experimental study of the $\tilde{t} \rightarrow t \gamma$ decay with the Crystal Ball/TAPS detector system at the Mainz Microtron. Physical Review C, 2012, 85, 014907.	4.1	41
212	Inclusive search for squarks and gluinos in proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	4.7	41
213	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
214	Search for fractionally charged particles in proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	4.7	41
215	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
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219	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
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222	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
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224	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
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226	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
227	Measurement of the $t\bar{t}$ 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
228	Measurement of the $t\bar{t}$ production cross section and the $t\bar{t}b$ cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-10.	4.1	37
229	Measurement of the $t\bar{t}$ 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.	4.1	37
230	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, 701, 1-10.	4.1	37
231	Measurement of the $t\bar{t}$ production cross section and the $t\bar{t}b$ cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 1-10.	4.7	37
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234	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 114, 101801.	7.8	36

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237	Measurement of the top-quark mass in all-jets $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
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244	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} . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
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246	Search for $\text{Z} \rightarrow \text{b} \bar{\text{b}}$ resonances decaying to dilepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	34
247	Searches for supersymmetry using the M T2 variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	34
248	Measurements of the $\sigma(\text{pp} \rightarrow \text{t} \bar{\text{t}} \gamma)$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	4.1	34
249	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
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256	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	4.1	32
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258	Measurements of the $Z Z$ production cross sections in the 2μ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
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261	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
262	Beam-Helicity Asymmetries in Double-Pion Photoproduction off the Proton. Physical Review Letters, 2009, 103, 052002.	7.8	30
263	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
264	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	30
265	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
266	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
267	Measurement of the W-boson helicity in top-quark decays from $t \rightarrow Wb$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
268	Incoherent Neutral Pion Photoproduction on C . Physical Review Letters, 2008, 100, 132301.	7.8	29
269	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
270	Search for a WZ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	29

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272	Photoproduction of τ lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 112, 142001.	4.1	28
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274	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2014, 326, 299.	4.1	28
275	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	27
276	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	27
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280	Search for resonant τ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
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282	Search for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 42, 2012, 1.	4.1	26
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285	Measurement of the $H(1^3P_0) \rightarrow \gamma\gamma$ Reaction Using a Novel Nucleon Spin Polarimeter. Physical Review Letters, 2014, 112, 022501.	7.8	26
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291	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	24
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293	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 274-293.	4.1	23
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295	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
296	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 719, 42-61.	4.1	22
297	Search for physics beyond the standard model in events with \tilde{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2493.	3.9	22
298	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 815-840.	4.1	22
299	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 745, 5-28.	7.8	21
300	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 745, 5-28.	4.1	21
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302	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
303	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. <i>European Physical Journal C</i> , 2013, 73, 2404.	3.9	20
304	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 1252-1272.	4.1	20
305	Measurement of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 201802.	4.1	20
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308	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at 7 TeV. Physical Review D, 2012, 86, .	4.7	18
309	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1	4.7	18
310	Searches for Higgs bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1	4.1	18
311	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.	4.1	18
312	Search for Pair-Production of Second-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201803.	7.8	17
313	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1	4.7	17
314	Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1	4.1	17
315	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
316	Measurement of the beam-helicity asymmetry $A_{FB}^{\pi^0}$ in the photoproduction of π^0 pairs off protons and off neutrons. European Physical Journal A, 2014, 50, 1.	2.5	17
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