

Marco Grassi

List of Publications by Year in descending order

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Version: 2024-02-01

402
papers

37,778
citations

3731

89
h-index

3915

177
g-index

408
all docs

408
docs citations

408
times ranked

12808
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	Limits on neutrino oscillations from the CHOOZ experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 466, 415-430.	4.1	1,154
3	Search for neutrino oscillations on a long base-line at the CHOOZ nuclear power station. European Physical Journal C, 2003, 27, 331-374.	3.9	818
4	Neutrino physics with JUNO. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 030401.	3.6	750
5	Initial results from the CHOOZ long baseline reactor neutrino oscillation experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 397-404.	4.1	650
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	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
9	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
10	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
11	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, .	2.9	455
12	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013.	1.2	418
13	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
14	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
15	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
16	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
17	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
21	Measurement of the $B \rightarrow \mu^+ \mu^- \gamma$ Branching Fraction and Search for $B \rightarrow \mu^+ \mu^- \gamma$ http://www.w3.org/1998/Math/MathML $B \rightarrow \mu^+ \mu^- \gamma$	7.8	282
22	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $Z\gamma$ and $Z\nu\bar{\nu}$ Boson Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	270
23	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. European Physical Journal Plus, 2018, 133, 1.	2.6	247
24	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
25	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
26	Observation of Sequential J/ψ Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220
27	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
28	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
29	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
30	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
31	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
32	New Measurement of Antineutrino Oscillation with the Full Detector Configuration at Daya Bay. Physical Review Letters, 2015, 115, 111802.	7.8	176
33			

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37	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
38	Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 712, 176-197.	4.1	151
39	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	161
40	Measurement of the Reactor Antineutrino Flux and Spectrum at Daya Bay. Physical Review Letters, 2016, 116, 061801.	7.8	161
41	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
42	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	154
43	Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	7.8	153
44	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.1	148
45	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{t} and b -quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	3.9	147
46	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
47	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	1.2	140
48	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
49	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
50	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 89, .	4.9	133
51	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
52	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
53	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
54	Evolution of the Reactor Antineutrino Flux and Spectrum at Daya Bay. Physical Review Letters, 2017, 118, 251801.	7.8	129

#	ARTICLE	IF	CITATIONS
55	Search for Dijet Resonances in 7 TeV Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	7.8	126
56	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
57	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
58	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
59	Evidence for the 125 GeV Higgs boson decaying to a pair of \tilde{l} , leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
60	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.	4.7	122
61	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.	4.1	122
62	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
63	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
64	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
65	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
66	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
67	Measurement of electron antineutrino oscillation based on 1230 days of operation of the Daya Bay experiment. Physical Review D, 2017, 95, .	4.7	118
68	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
69	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 2.76\text{ TeV}$. Physical Review Letters, 2012, 109, 171803.	4.7	115
70	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s} = 2.76\text{ TeV}$. Physical Review C, 2014, 90, .	2.9	113
71	Inclusive search for a vector-like T quark with charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Physical Review Letters, 2014, 90, .	4.1	112
72	Inclusive search for a vector-like T quark with charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 8\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.	4.1	110

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73	<p>Measurement of the rapidity and transverse momentum distributions of Z bosons in $\sqrt{s} = 2.76$ TeV proton-proton collisions at the LHC. <i>Physical Review Letters</i>, 2012, 109, 022301.</p>	4.7	108
74	<p>Observation of the Associated Production of a Single Top Quark and a Z Boson in $\sqrt{s} = 2.76$ TeV Proton-Proton Collisions at the LHC. <i>Physical Review Letters</i>, 2012, 109, 022301.</p>	7.8	108
75	<p>Azimuthal Anisotropy of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i>, 2012, 109, 022301.</p>	4.7	106
76	<p>Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36, \text{ and } 7$ TeV. <i>Journal of High Energy Physics</i>, 2011, 2011, 1.</p>	4.7	106
77	<p>Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i>, 2011, 6, P09001-P09001.</p>	1.2	102
78	<p>Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i>, 2014, 2014, 1.</p>	4.7	100
79	<p>Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i>, 2011, 2011, 1.</p>	4.7	99
80	<p>Measurement of the prompt J/ψ and $\psi(2S)$ production in $\sqrt{s} = 2.76$ TeV proton-proton collisions at the LHC. <i>Physical Review Letters</i>, 2012, 109, 022301.</p>		

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91	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	90
92	Search for a Higgs boson decaying into a Z and a photon in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.	4.1	89
93	Search for the standard model Higgs boson decaying to WZ in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.	4.7	88
94	Measurement of the inelastic proton-neutron cross section at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	88
95	Measurement of the inelastic proton-neutron cross section at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	88
96	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
97	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
99	Evidence of b -jet Quenching in PbPb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	7.8	85
100	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	85
101	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
102	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
103	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
104	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, 2013, 726, 587-609.	4.1	83
105	Measurement of the W boson production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.	4.7	83
106	J/ψ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	82
107	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
108	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

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109	Measurement of the $B \rightarrow p \bar{p}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	7.8	80
110	Study of $Z \rightarrow s \bar{s}$ production in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
111	Measurement of the charge asymmetry in top-quark pair production in proton-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
112	Search for a Light Sterile Neutrino at Daya Bay. Physical Review Letters, 2014, 113, 141802.	7.8	79
113	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
114	Determination of the top-quark pole mass and strong coupling constant from the $t \bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231801.	4.1	76
115	Studies of azimuthal dihadron correlations in ultra-central $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	77
116	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
117	Measurements of the $t \bar{t}$ charge asymmetry in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231801.	4.1	76
118	Search for Top-Quark Partners with Charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 112, 171801.	7.8	76
119	Study of exclusive two-photon production of W^+W^{\prime} 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
120	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
121	The detector system of the Daya Bay reactor neutrino experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 811, 133-161.	1.6	75
122	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
123	Measurement of the $X(3872)$ 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
124	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, 115011.	4.7	73
125	Search for $pp \rightarrow p \bar{p}$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231801.	4.7	71
126	Limits on Active to Sterile Neutrino Oscillations from Disappearance Searches in the MINOS, Daya Bay, and Bugey-3 Experiments. Physical Review Letters, 2016, 117, 151801.	7.8	71

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127	Measurement of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	70
128	Search for anomalous production of events with three or more leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	70
129	Measurement of the t-channel single-top-quark production cross section and of the $ V_{\text{tb}} $ CKM matrix element in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	70
130	Measurement of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})$ 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
131	Search for a standard-model-like Higgs boson in the $\text{pp} \rightarrow \text{Z}\gamma\text{bb}$ channel in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2014, 90, .	4.7	69
132	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
133	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
134	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
135	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
136	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
137	Search for a standard-model-like Higgs boson in the $\text{pp} \rightarrow \text{Z}\gamma\text{bb}$ channel in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2014, 90, .	4.1	67
138	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
139	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
140	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
141	Search for a Light Sterile Neutrino with the Full Configuration of the Daya Bay Experiment. Physical Review Letters, 2016, 117, 151802.	7.8	65
142	Observation of a New Λ_b^0 Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
143	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
144	Improved Search for a Light Sterile Neutrino with the Full Configuration of the Daya Bay Experiment. Physical Review Letters, 2016, 117, 151802.	7.8	65

#	ARTICLE	IF	CITATIONS
145	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. Search for Flavor-Changing Neutral Currents in Top-Quark Decays $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy}="false"> \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{in} \langle \text{mml:math} \rangle$	3.9	64
146	Search for low resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 7$ TeV. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{accent}="true"> \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \text{stretchy}="false"> \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Spin Correlations and Top-Quark Polarization Using Dilepton Final States in} \langle \text{mml:math} \rangle$	7.8	64
147	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. Physical Review Letters, 2012, 108, 111801. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mover} \text{accent}="true"> \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \text{stretchy}="false"> \hat{A} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Spin Correlations and Top-Quark Polarization Using Dilepton Final States in} \langle \text{mml:math} \rangle$	7.8	63
148	Measurement of the Isolated Prompt Photon Production Cross Section in $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	62
149	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	62
150	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	62
151	Measurement of the $W+W\bar{A}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\bar{A}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	62
152	Determination of neutrino incoming direction in the CHOOZ experiment and its application to supernova explosion location by scintillator detectors. Physical Review D, 1999, 61, . $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	4.7	61
153	Production Cross Section in $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	61
154	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. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	61
155	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	4.7	61
156	Dijet Azimuthal Decorrelations in $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	60
157	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. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	3.9	60
158	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. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	4.7	59
159	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	7.8	59
160	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1. $\langle \text{mml:mrow} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Collisions at} \langle \text{mml:math} \rangle$	4.7	58
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#	ARTICLE	IF	CITATIONS
163	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
164	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
165	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	4.7	58

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#	ARTICLE	IF	CITATIONS
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182	Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1. Search for New Physics with a Monojet and Missing Transverse Energy in	7.8	53
183	Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1. Search for New Physics with a Monojet and Missing Transverse Energy in	7.8	53
184	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1. Measurement of the $\sigma(\mu^+\mu^-)$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	52
185	Measurement of the $\sigma(\mu^+\mu^-)$ 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
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189	Searches for heavy Higgs bosons in two-Higgs-doublet models and for $\tilde{\chi}_1^0\tilde{\chi}_1^0$ decay using multilepton and diphoton final states in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2014, 90, .	4.7	51
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191	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	3.9	50
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193	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
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200	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
203	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
204	Search for Top Squarks in R -Parity-Violating Supersymmetry Using Three or More Leptons and b-Tagged Jets. Physical Review Letters, 2013, 111, 221801.	7.8	47
205	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.	7.8	47
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208	Measurement of the Ratio R in W -tagged Events at the LHC. Physical Review Letters, 2011, 107, 021802.	4.7	46
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218	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. <i>Physical Review Letters</i> , 2014, 112, 161802.	7.8	45
219	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	44
220	Inclusive Search for Supersymmetry Using Razor Variables in pp Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 011801.	7.8	44
221	Search for Stopped Gluinos in pp Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 011801.	7.8	44
222	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. <i>Physical Review Letters</i> , 2015, 114, 061801.	7.8	44
223	Search for pair-produced dijet resonances in four-jet final states in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 011801.	7.8	43
224	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2014, 74, 3060.	3.9	43
225	Identification techniques for highly boosted W bosons that decay into hadrons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	43
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227	Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 011801.	7.8	41
228	Search for Stopped Gluinos in pp Collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 011801.	7.8	41
229	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2011, 106, 011801.	4.7	41
230	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	41
231	Search for fractionally charged particles in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2013, 87, ..	4.7	41
232	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	40
233	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2014, 89, ..	4.7	40
234	Measurement of $W^{\pm}Z$ production in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 701, 535-555.	4.1	39

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237	Measurement of the $Z\ell^+\ell^-b$ -jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
238	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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240	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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245	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
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247	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
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251	Measurement of the inclusive cross sections for Z production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	37
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256	Measurement of the $B \rightarrow D^* \ell \bar{\nu}_\ell$ Cross Section with $B \rightarrow D^* \ell \bar{\nu}_\ell$ in $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 84, .	4.7	35
257	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.	4.7	35
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260	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
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263	Search for a $W \rightarrow b\bar{t}$ boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 101801.	4.1	34
264	Search for $Z \rightarrow \ell\ell$ resonances decaying to final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	34
265	Search for $Z \rightarrow \ell\ell$ resonances decaying to final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	34
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269	Measurement of $\overline{B} \rightarrow B^* \ell \bar{\nu}_\ell$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7, 8$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
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284	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
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286	Search for high-mass resonances decaying into τ lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	29
287	Search for high-mass resonances decaying into τ lepton pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.1	28
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290	<p>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.</p>	4.7	27
291	<p>Search for a heavy gauge boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.</p>	4.7	26
292	<p>Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .</p>	4.1	26
293	<p>Search for resonant $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.</p>	4.7	26
294	<p>Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, .</p>	3.9	26
295	<p>Search for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.</p>	4.7	26
296	<p>Search for the standard model Higgs boson in the $ZZ\gamma\gamma$, $Z\gamma\gamma$ channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.</p>	4.1	26
297	<p>Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.</p>	4.7	26
298	<p>Search for $W\tau$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.</p>	4.7	26
299	<p>New measurement of $\sigma_{n,\nu}$ via neutron capture on hydrogen at Daya Bay. Physical Review D, 2016, 93, .</p>	4.7	26
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301	<p>Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.</p>	4.7	25
302	<p>Measurement of energy flow in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.</p>	4.1	25
303	<p>Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .</p>	4.7	24
304	<p>Measurement of the τ production cross section in the τ, +jets channel in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.</p>	3.9	24
305	<p>Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.</p>	4.7	23

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313	Collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 815-840.	7.8	21
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