

# Thomas A Ferguson

## List of Publications by Year in descending order

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1,054  
papers

53,574  
citations

2203

99  
h-index

3997

176  
g-index

1063  
all docs

1063  
docs citations

1063  
times ranked

13380  
citing authors

#	ARTICLE	IF	CITATIONS
1	The CMS experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08004-S08004.	0.5	2,192
2	Search for the Standard Model Higgs boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 565, 61-75.	1.5	1,175
3	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006, 427, 257-454.	10.3	974
4	CMS Physics Technical Design Report, Volume II: Physics Performance. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 995-1579.	1.4	683
5	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006, 47, 547.	1.4	592
6	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. <i>European Physical Journal C</i> , 2015, 75, 212.	1.4	541
7	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 795-814.	1.5	520
8	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016, 76, 155.	1.4	499
9	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	497
10	The construction of the L3 experiment. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1990, 289, 35-102.	0.7	494
11	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} \leq 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 718, 26-48.	1.5	477
12	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2011, 84, 044907.	1.1	455
13	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. <i>Physics Reports</i> , 2013, 532, 119-244.	10.3	453
14	Identification of b-quark jets with the CMS experiment. <i>Journal of Instrumentation</i> , 2013, 8, P04013-P04013.	0.5	418
15	Transverse Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2010, 105, 022002.	2.9	400
16	Branching Fraction and Photon Energy Spectrum for $b \rightarrow s \gamma$ . <i>Physical Review Letters</i> , 2001, 87, 251807.	2.9	393
17	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014, 9, P10009-P10009.	0.5	380
18	A New UAG-Encoded Residue in the Structure of a Methanogen Methyltransferase. <i>Science</i> , 2002, 296, 1462-1466.	6.0	376

#	ARTICLE	IF	CITATIONS
19	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\text{--}4.76\text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	369
20	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13, 8, 7, 4.76\text{ TeV}$ . European Physical Journal C, 2019, 79, 421.	1.4	355
21	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.	1.5	354
22	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
23	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7, 8\text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
24	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8, 7, 4.76\text{ TeV}$ . European Physical Journal C, 2015, 75, 235.	1.4	320
25	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	1.6	299
26	Measurement of the $\text{BR}(H \rightarrow B_s \gamma)$ and $\text{BR}(H \rightarrow \tau^+ \tau^-)$ and Search for $\text{BR}(H \rightarrow Z \gamma)$ and $\text{BR}(H \rightarrow \tau^+ \tau^-)$ . Physical Review Letters, 2013, 110, 081803.	2.9	282
27	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $\mu^+ \mu^-$ and $\tau^+ \tau^-$ . Physical Review Letters, 2013, 110, 081803.	2.9	270
28	Results from the L3 experiments at LEP. Physics Reports, 1993, 236, 1-146.	10.3	247
29	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $\sqrt{s}=8\text{ TeV}$ . European Physical Journal C, 2014, 74, 3036.	1.4	241
30	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s}=0.9, 2.36\text{ TeV}$ . Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
31	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	2.9	208
32	Charmonium Decays of $\Upsilon(4260)$ , $\psi(4160)$ , and $\psi(4040)$ . Physical Review Letters, 2006, 96, 162003.	2.9	203
33	A determination of the properties of the neutral intermediate vector boson Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 509-518.	1.5	201
34	Suppression of non-prompt $J/\psi$ , prompt $J/\psi$ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
35	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
36	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s}=8, 7, 4.76\text{ TeV}$ . European Physical Journal C, 2015, 75, 542.	1.4	191

#	ARTICLE	IF	CITATIONS
37	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, ..	1.1	185
38	Observation of B-meson semileptonic decays to noncharmed final states. Physical Review Letters, 1990, 64, 16-20.	2.9	182
39	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.	1.4	181
40	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.	1.4	179
41			

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55	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	0.5	140
56	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
57	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2307-2455.	1.4	136
58	Prompt and non-prompt $J/\psi$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	135
59	$B^0$ mixing at the $\Upsilon(4S)$ . Physical Review Letters, 1989, 62, 2233-2236.	2.9	134
60	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	1.1	133
61	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.	1.5	130
62	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	129
63	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.	1.5	129
64	Semileptonic Decays on the $D$ Meson. Physical Review Letters, 1979, 43, 1073-1076.	2.9	128
65	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 132001.	2.9	125
66	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	125
67	Search for heavy neutral and charged leptons in $e^+e^-$ annihilation at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 75-85.	1.5	123
68	Evidence for the 125 GeV Higgs boson decaying to a pair of $\tilde{l}$ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
69	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 8$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
70	Luminosity measurement in the L3 detector at LEP. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 381, 236-266.	0.7	122
71	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	122
72	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 256-277.	1.5	122

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73	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
74	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.	0.5	119
75	Measurement of absolute hadronic branching fractions of $D$ mesons and $D^*$ cross sections at $\sqrt{s}(3770)$ . Physical Review D, 2007, 76, .	1.6	118
76	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.	1.5	118
77	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
78	Observation of a Fourth Upsilon State in $e^+e^-$ Annihilations. Physical Review Letters, 1980, 45, 219-221.	2.9	117
79	Limit on the $e^+\nu_e$ Coupling from Semileptonic $B$ Decay. Physical Review Letters, 1984, 52, 1084-1088.	2.9	117
80	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.	1.6	117
81	Precision Measurements of the Timelike Electromagnetic Form Factors of Pion, Kaon, and Proton. Physical Review Letters, 2005, 95, 261803.	2.9	115
82	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV at the CMS detector. Physical Review D, 2013, 87, .	1.6	115
83	Evidence for the direct decay of the 125 GeV Higgs boson to fermions. Nature Physics, 2014, 10, 557-560.	6.5	114
84	Improved Measurement of $B(D \rightarrow \pi^+ \pi^0 \pi^+ \pi^-)$ and the Pseudoscalar Decay Constant $f_{D^*}$ . Physical Review Letters, 2005, 95, 251801.	2.9	113
85	Measurement of jet fragmentation in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 90, .	1.13	113
86	Dalitz analysis of the decay $D^0 \rightarrow \pi^+ K^0 \pi^-$ . Physical Review D, 2001, 63, .	1.6	112
87	Observation of a peaking structure in the $B \rightarrow \pi^+ \pi^- \pi^0$ mass spectrum from pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.	1.5	112
88	Nature of the $\Upsilon(4S)$ $W$ Coupling. Physical Review Letters, 1979, 42, 749-752.	2.9	111
89	Observation of Three Upsilon States. Physical Review Letters, 1980, 44, 1108-1111.	2.9	110
90	Inclusive search for a vector-like T quark with charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.	1.5	110

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91	Production of the Associated Production of a Single Top Quark and a $W$ Boson in $pp$ Collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	2.9	108
92	The CLEO detector. <i>Nuclear Instruments &amp; Methods in Physics Research</i> , 1983, 211, 47-71.	0.9	107
93	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 022301.	2.9	106
94	Dalitz Analysis of $D^0 \rightarrow K_S^0 \pi^+ \pi^-$ . <i>Physical Review Letters</i> , 2002, 89, 251802.	2.9	106
95	Charged particle multiplicities in $pp$ interactions at $\sqrt{s} = 0.9, 2.36,$ and $7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	106
96	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	103
97	Missing transverse energy performance of the CMS detector. <i>Journal of Instrumentation</i> , 2011, 6, P09001-P09001.	0.5	102
98	Measurements of properties of the Higgs boson decaying into the four-lepton final state in $pp$ collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	101
99	Observation of New Structure in $ee \rightarrow e\gamma^* \gamma^* \rightarrow e\mu^+\mu^-$ Cross Section above the $J/\psi(4S)$ . <i>Physical Review Letters</i> , 1985, 54, 381-384.	2.9	100
100	First Measurement of $\tilde{t}(D^{*+})$ . <i>Physical Review Letters</i> , 2001, 87, 251801.	2.9	100
101	Measurement of the atmospheric muon spectrum from 20 to 3000 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 598, 15-32.	1.5	100
102	Single- and multi-photon events with missing energy in $e^+e^- \rightarrow \gamma^* \gamma^* \rightarrow e^+\mu^+\mu^-$ collisions at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 587, 16-32.	1.5	100
103	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.	1.6	100
104	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.	1.6	99
105	Measurement of the $J/\psi$ and $\psi(2S)$ production cross sections in $pp$ collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 022001.	2.9	100

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109	Measurement of the D Semileptonic Branching Ratio in $e^+e^-$ Annihilation at the $\Upsilon(3770)$ . Physical Review Letters, 1978, 40, 671-674.	2.9	94
110	Measurement of the Threshold Behavior of $\Upsilon(4S)$ Production in $e^+e^-$ Annihilation. Physical Review Letters, 1978, 41, 13-15.	2.9	94
111	Observation of the $\chi_{c1}$ State of Charmonium. Physical Review Letters, 2005, 95, 102003.	2.9	94
112	Measurement of Inclusive $W$ and $Z$ Boson Production Cross Sections in $pp$ Collisions at $\sqrt{s} = 7$ and $8$ TeV. Physical Review Letters, 2013, 111, 171801.	2.9	94
113	Evidence for New-Flavor Production at the $\Upsilon(4S)$ . Physical Review Letters, 1981, 46, 84-87.	2.9	93
114	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of $W$ or $Z$ bosons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
115	Studies of hadronic event structure in $e^+e^-$ annihilation from 30 to 209 GeV with the L3 detector. Physics Reports, 2004, 399, 71-174.	10.3	90
116	Observation of Exclusive Decay Modes of $b$ -Flavored Mesons. Physical Review Letters, 1983, 50, 881-884.	2.9	89
117	Search for isosinglet neutral heavy leptons in $Z^0$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 371-382.	1.5	89
118	Search for a Higgs boson decaying into a $Z$ and a photon in $pp$ collisions at $\sqrt{s} = 7$ and $8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 587-609.	1.5	89
119	Observation of $\Upsilon(3S)$ Production in $\Upsilon(3S)$ Fusion at CLEO. Physical Review Letters, 2004, 92, 142001.	2.9	88
120	Upsilon production cross section in $pp$ collisions at $\sqrt{s} = 7$ and $8$ TeV. Physical Review D, 2011, 83, 052001.	1.6	88
121	Measurement of the inelastic proton-antiproton cross section at $\sqrt{s} = 7$ and $8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	1.5	88
122	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.	1.4	88
123	Charm production in nonresonant $e^+e^-$ annihilations at $\sqrt{s} = 10.55$ GeV. Physical Review D, 1988, 37, 1719-1743.	1.6	87
124	Search for scalar leptons and scalar quarks at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 580, 37-49.	1.5	87
125	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86



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127	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\mathrm{NN}}}$ = 2.76 TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
128	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	6.0	85
129	Evidence of $b$ -jet Quenching in PbPb Collisions at $\sqrt{s_{\mathrm{NN}}}$ = 2.76 TeV. Physical Review Letters, 2014, 113, 132301.	2.9	85
130	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.	1.6	85
131	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.	1.6	85
132	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
133	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
134	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.	1.6	83
135	Measurement of the prompt and nonprompt charmonium suppression in $pp$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.6	83
136	Measurement of the differential cross section and charge asymmetry for inclusive $W$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
137	Measurement of prompt and nonprompt charmonium suppression in $pp$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
138	Measurement of the $J/\psi$ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	2.9	82
139	Suppression and azimuthal anisotropy of prompt and nonprompt $J/\psi$ production in PbPb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
140	$J/\psi$ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
141	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	81
142	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81
143	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
144	Study of $Z$ Boson Production in PbPb Collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	2.9	80

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145	Evidence for the $F$ meson at 170 MeV. Physical Review Letters, 1983, 51, 634-637.	2.9	79
146	Inclusive hadron production in $\epsilon$ decays and in nonresonant electron-positron annihilation at 10.49 GeV. Physical Review D, 1985, 31, 2161-2191.	1.6	78
147	$\hat{\Gamma}(b \rightarrow u \ell \bar{\nu}) / \hat{\Gamma}(b \rightarrow c \ell \bar{\nu})$ from the end point of the lepton momentum spectrum in semileptonic $B$ decay. Physical Review Letters, 1987, 59, 407-410.	2.9	78
148	Measurement of $\hat{\Gamma}(958)$ formation in two-photon collisions at LEP1. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 399-410.	1.5	78
149	Measurements of charmless hadronic two-body $B$ meson decays and the ratio $B(B \rightarrow DK) / B(B \rightarrow D\bar{K})$ . Physical Review D, 2003, 68, .	1.6	78
150	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75.	1.4	78
151	Determination of $\hat{\Gamma}_s$ from jet multiplicities measured on the $Z^0$ resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 248, 464-472.	1.5	77
152	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.	1.6	77
153	Inclusive and differential measurements of the $\chi$ odd Higgs boson in radiative decays of $Z$ and $\epsilon$ . Physical Review Letters, 2014, 112, 171801.	2.9	76
154	Charge asymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2014, 112, 171801.	1.5	76
155	Search for Top-Quark Partners with Charge Conjugation Parity $(C, P)$ in $pp$ collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 112, 171801.	2.9	76
156	Measurement of the inclusive production of neutral pions and charged particles on the $Z^0$ resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 259, 199-208.	1.5	75
157	Measurements of decays and the semileptonic branching ratio $BR(b \rightarrow u \ell \bar{\nu})$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 261, 177-187.	1.5	75
158	Measurement of Absolute Hadronic Branching Fractions of $D$ Mesons and $e^+e^- \rightarrow D\bar{D}$ Cross Sections at $\sqrt{s} = 3773$ MeV. Physical Review Letters, 2005, 95, 121801.	2.9	75
159	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.	1.6	75
160	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.	1.4	75
161	Studies of hadronic event structure and comparisons with QCD models at the $Z^0$ resonance. Zeitschrift für Physik C-Particles and Fields, 1992, 55, 39-61.	1.5	74
162	Higgs candidates in $e^+e^-$ interactions at $\sqrt{s} = 4$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 495, 18-25.	1.5	74

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163	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in $\langle \text{p} \rangle$ Collisions at $\sqrt{s} = 8 \text{ TeV}$ and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	2.9	74
164	Measurement of the $W^+W^-$ cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	1.4	74
165	Evidence for Unequal Lifetimes of the $D^0$ and $D^+$ . Physical Review Letters, 1980, 45, 329-332.	2.9	73
166	Decay of b-Flavored Hadrons to Single-Muon and Dimuon Final States. Physical Review Letters, 1981, 46, 88-91.	2.9	73
167	Measurement of Z0 decays to hadrons, and a precise determination of the number of neutrino species. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 237, 136-146.	1.5	73
168	Measurement of the X(3872) production cross section via decays to $J/\psi \pi^+ \pi^-$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
169	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.	1.4	73
170	Hadronic Mass Moments in Inclusive Semileptonic B Meson Decays. Physical Review Letters, 2001, 87, 251808.	2.9	72
171	Precision measurement of $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \tau^+ \tau^-$ decays. Physical Review D, 2008, 78, 072001.	1.6	72
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326	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
327	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in $pp \rightarrow \text{leptoquark} + \text{top squark} + X$	2.9	44
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340	Measurement of the mass and the width of the W boson at LEP. European Physical Journal C, 2006, 45, 569-587.	1.4	41
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342	Physical Review Letters, 2007, 99, 041802.	2.9	41

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345	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.	1.6	41
346	Search for fractionally charged particles in $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
347	Search for fractionally charged particles in $pp$ collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	41
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359	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 378.	1.4	40

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367	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	39
368	Measurement of the ZZ production cross section and search for anomalous couplings in $2\tau^+, 2\tau^-, \tau^+ \tau^-$ final states in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	39
369	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	39
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478	Search for top squark pair production in pp collisions at $s = 13$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	31
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482	A search for the neutral Higgs boson at LEP. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1993, 303, 391-399.	1.5	30
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597	Observation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \hat{\nu} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha}^{\dagger} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle T_i \text{ETOq1 1 0.784314 røBT /Overlock 10 Tf 50 692}$	2.9	23
598	Observation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \hat{\nu} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\alpha}^{\dagger} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle S \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle T_i \text{ETOq1 1 0.784314 røBT /Overlock 10 Tf 50 692}$	2.9	23
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867	Search for radiative decays of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" flow="scroll" xmlns:xb="http://www.elsevier.com/xml/xocs/dtd" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" >< mml:mi>I</mml:mi>< mml:mo>struct-bib/dtd" stretchy="false"></mml:mo>< mml:mn>1</mml:mn>< mml:mi>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (mathvariant="normal">S<$ overflow	1.5	11
868	Comparison of particle production in quark and gluon fragmentation at $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" flow="scroll" xmlns:xb="http://www.elsevier.com/xml/xocs/dtd" xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" >< mml:mi>I</mml:mi>< mml:mo>struct-bib/dtd" stretchy="false"></mml:mo>< mml:mn>1</mml:mn>< mml:mi>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (mathvariant="normal">S<$ overflow	1.6	11
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958	First observation of exclusive $B_c$ decays to two charged and two neutral hadrons. <i>Physical Review D</i> , 2008, 78, .	1.6	6
959	Absolute branching fractions of Cabibbo-suppressed $D \rightarrow K^+ K^-$ decays. <i>Physical Review D</i> , 2008, 77, .	1.6	6
960	Improved measurement of branching fractions for $B_c \rightarrow \pi^+ \pi^-$ transitions among $B_c \rightarrow \pi^+ \pi^-$ $\pi^0 \pi^0$ $\pi^+ \pi^- \pi^0$ $\pi^+ \pi^- \pi^+ \pi^-$ $\pi^+ \pi^- \pi^+ \pi^- \pi^0$ . <i>Physical Review D</i> , 2012, 85, 072005.	1.6	6
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963	Search for anomalous production of highly boosted Z bosons decaying to $W^+ W^-$ or $W^+ \pi^-$ in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2014, 90, 072001.	1.6	6
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993	First observation of $B \rightarrow D^0 \tau^+ \tau^-$ decays. Physical Review D, 2001, 65, .	1.6	4
994	Correlated $c + \bar{c}$ production in $e^+e^-$ annihilations at $\sqrt{s} = 10.5$ GeV. Physical Review D, 2001, 63, .	1.6	4
995	Measurement of $B(D \rightarrow K^* \tau^+ \tau^-)$ . Physical Review Letters, 2002, 89, 222001.	2.9	4
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1014	Measurement of exclusive $\langle\text{mml:math altimg="si1.gif" overflow="scroll"}\rangle$ <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</small>	1.5	3
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1016	Analysis of the $\langle\text{mml:math altimg="si1.gif" overflow="scroll"}\rangle$ <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</small>	1.5	3
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1019	Efficiency of finding muon track trigger primitives in CMS cathode strip chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 592, 26-37.	0.7	3
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1029	Measurement of the $Z$ lifetime. Physical Review D, 2001, 65, .	1.6	2
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1032	Search for $e^+e^- \rightarrow \tau^+ \tau^-$ near threshold. Physical Review D, 2005, 71, .	1.6	2
1033	Measurement of upper limits for $Z \rightarrow \tau^+ \tau^-$ decays. Physical Review D, 2007, 76, .		2
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