

Andrea Venturi

List of Publications by Year in descending order

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722
papers

35,137
citations

5268

83
h-index

7745

150
g-index

744
all docs

744
docs citations

744
times ranked

11637
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s}=7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015, 114, 191803.	7.8	1,062
2	Precision electroweak measurements on the Z resonance. <i>Physics Reports</i> , 2006, 427, 257-454.	25.6	974
3	CMS Physics Technical Design Report, Volume II: Physics Performance. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 995-1579.	3.6	683
4	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006, 47, 547.	3.9	592
5	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. <i>European Physical Journal C</i> , 2015, 75, 212.	3.9	541
6	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011, 6, P11002-P11002.	1.2	508
7	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016, 76, 155.	3.9	499
8	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.	4.7	497
9	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s}=7$ TeV. <i>Journal of Instrumentation</i> , 2012, 7, P10002-P10002.	1.2	467
10	Identification of b-quark jets with the CMS experiment. <i>Journal of Instrumentation</i> , 2013, 8, P04013-P04013.	1.2	418
11	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015, 522, 68-72.	27.8	390
12	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014, 9, P10009-P10009.	1.2	380
13	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	369
14	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 421.	3.9	355
15	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014, 74, 3076.	3.9	342
16	Performance of the ALEPH detector at LEP. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 360, 481-506.	1.6	322
17	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	320
18	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 235.	3.9	320

#	ARTICLE	IF	CITATIONS
19	Measurement of the B_s branching fraction and search for $B_s \rightarrow \mu^+ \mu^-$ decays. Physical Review Letters, 2012, 109, 222301.	7.8	282
20	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
21	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
22	Observation of Sequential Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220
23	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	7.8	219
24	Observation of $t\bar{t}$ Production. Physical Review Letters, 2018, 120, 231801.	7.8	209
25	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
26	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
27	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
28	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
29	Studies of Quantum Chromodynamics with the ALEPH detector. Physics Reports, 1998, 294, 1-165.	25.6	184
30	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ mTeV. 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			

#	ARTICLE	IF	CITATIONS
37	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. <i>Physical Review Letters</i> , 2018, 120, 221801.	7.8	160
38	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	158
39	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	154
40	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{I}_{\pm} T and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2568.	3.9	147
41	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2013, 8, P09009-P09009.	1.2	140
42	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	139
43	Measurement of Long Range Near Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. <i>Physical Review Letters</i> , 2016, 116, 172302.	7.8	139
44	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 2307-2455.	3.6	136
45	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	135
46	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	129
47	Search for Dijet Resonances in $\sqrt{s} = 7$ TeV pp Collisions at CMS. <i>Physical Review Letters</i> , 2010, 105, 211801.	7.8	126
48	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. <i>Physical Review Letters</i> , 2012, 108, 261803.	7.8	126
49	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	125
50	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	123
51	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 13.6, 13.8, 14$ TeV in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021, 81, 800.	3.9	123
52	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	122
53	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010, 70, 1165-1192.	3.9	120
54	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC. <i>Journal of Instrumentation</i> , 2013, 8, P11002-P11002.	1.2	119

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55	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
56	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
57	Study of the fragmentation of b quarks into B mesons at the Z peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 512, 30-48.	4.1	116
58	Single- and multi-photon production in ee collisions at \sqrt{s} up to 209 GeV. European Physical Journal C, 2003, 28, 1-13.	3.9	110
59	Observation of the Associated Production of a Single Top Quark and a W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2017, 118, 122301.	7.8	108
60	Observation of Charge-Dependent Azimuthal Correlations in pp Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	7.8	107
61	Measurement of \hat{P} polarization from Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 319-330.	4.1	106
62	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
63	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
64	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	1.2	102
65	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	101
66	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
67	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
68	Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	3.9	98
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 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
71	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	95
72	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	1.2	93

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73	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.	4.7	92
74	Performance of \tilde{l}, q -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	1.2	91
75	Searches for new physics using the $\tilde{t}\tilde{t}^*$ invariant mass distribution in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2013, 111, 211804.	7.8	90
76	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
77	Inclusive $\tau_i^{1/2}, K_i^{1/2}$ and (p, π) differential cross-sections at the Z resonance. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 355-365.	1.5	86
78	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.	4.7	86
79	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	85
80	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
81	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
82	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
83	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	3.9	85
84	Reconstruction and identification of $\tilde{l},$ lepton decays to hadrons and $\tilde{l} \rightarrow q \bar{q}$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
85	Search for charginos nearly mass degenerate with the lightest neutralino in e^+e^- collisions at centre-of-mass energies up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 223-236.	4.1	84
86	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
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	Measurement of the differential cross section and charge asymmetry for inclusive $p \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
89	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s_{NN}} = 5.02$ TeV collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
90	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	3.9	82

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91	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	4.7	82
92	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
93	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
94	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
95	Study of Z Boson Production in PbPb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
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	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.	3.9	78
98	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
99	Search for Top-Quark Partners with Charge $\pm 2/3$ in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	7.8	76
100	An upper limit for the $\tilde{\nu}_\tau$ neutrino mass from $\tilde{\nu}_\tau \rightarrow \tau \tilde{\chi}^0_1$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 349, 585-596.	4.1	75
101	Final results of the searches for neutral Higgs bosons in e^+e^- collisions at \sqrt{s} up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 191-205.	4.1	75
102	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
103	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
104	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
105	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \chi^0 + \bar{\psi} \psi$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
106	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
107	Search for additional neutral MSSM Higgs bosons in the $J/\psi, \Upsilon$, final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	73
108	Search for scalar leptons in e^+e^- collisions at centre-of-mass energies up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 206-220.	4.1	72

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109	Improved measurements of electroweak parameters from Z decays into fermion pairs. Zeitschrift für Physik C-Particles and Fields, 1992, 53, 1-20.	1.5	70
110	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
111	Measurement of the Spinning Polarization in $p\bar{p}$ and Pb-Pb Collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	70
112	Measurement of Prompt Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	7.8	70
113	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 3.	3.9	70
114	Measurement of the $\overline{t}t$ 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
115	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
116	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
117	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
118	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
119	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
120	Measurement of the $\overline{t}t$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 368.	3.9	68
121	Measurements of $ V_{cb} $, form factors and branching fractions in the decays $B \rightarrow D^{*} \ell \nu$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 395, 373-387.	4.1	66
122	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	66
123	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
124	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	7.8	65
125	Observation of a New Λ_b^0 Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
126	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

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127	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2283. Search for Flavor-Changing Neutral Currents in Top-Quark Decays $\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{ stretchy="false"} \rangle \hat{+} \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle q \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{in} \langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2283.	3.9	64
128	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 439.	3.9	64
130	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
131	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
132	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review Letters, 2012, 109, 152303.	7.8	62
133	Measurement of the $W+W\tilde{A}$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous $WW\tilde{A}^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
134	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 13.	3.9	62
135	Measurement of the Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review Letters, 2017, 119, 152301.	7.8	62
136	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
137	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
138	Observation of Two Excited States and Measurement of the B_c Cross Section in pp Collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2017, 119, 152301.	7.8	62
139	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	62
140	Measurement of the branching ratio and an upper limit on $\text{Br}(B \rightarrow \tau \nu)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 343, 444-452.	4.1	61
141	Measurement of the B_c Cross Section in pp Collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2017, 119, 152301.	7.8	61
142	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
143	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2020, 124, 131802.	7.8	61
144	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and first determination of the strong coupling constant in the TeV range. European Physical Journal C, 2013, 73, 1.	3.9	60

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145	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	1.2	59
146	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	1.2	59
147	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
148	Properties of hadronic Z decays and test of QCD generators. Zeitschrift für Physik C-Particles and Fields, 1992, 55, 209-234.	1.5	58
149	Search for supersymmetric particles in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 373, 246-260.	4.1	58
150	Search for anomalous t production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
151	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
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154	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV . European Physical Journal C, 2018, 78, 701.	3.9	58
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156

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164	Measurement of $\hat{\Gamma}_s$ from scaling violations in fragmentation functions in $e+e^-$ annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 487-499.	4.1	55
165	Measurement of masses in the $\overline{\text{charm}}\text{-charm}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55
166	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
167	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	3.9	55
168	A study of B_{u} decays involving B_{u} and B_{u} mesons. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 263-273.	1.5	54
169	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	3.9	54
170	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
171	Search for charged Higgs bosons in the $H_{\text{u}} \rightarrow \tau^+ \nu_{\tau}$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
172	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	4.7	54
173	Evidence for Higgs boson decay to a pair of muons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	54
174	Search for pentaquark states in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 599, 1-16.	4.1	53
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176	Measurement of prompt and nonprompt charm-charm production in charm-charm collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
177	Measurement of the charm-charm production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	52
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180	Measurement of the charm-charm 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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182	Measurements of the $\sigma(\text{pp} \rightarrow Z\gamma Z)$ production cross section and the $\sigma(\text{pp} \rightarrow Z\gamma Z)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2018, 78, 165.	3.9	52
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185	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	4.7	51
186	Search for $B_s \rightarrow \tau^+\tau^-$ and $B \rightarrow \tau^+\tau^-$ Decays in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 181802.	3.9	50
187	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
188	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 241802.	7.8	50
189	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 564.	3.9	50
190	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
191	Search for leptonic decays of $W^{\pm 2}$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
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194	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	48
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196	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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200	Search for the χ_{c1} and χ_{c2} states in $p\bar{p}$ and pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	47
201	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
202	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
203	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
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211	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 151.	3.9	44
212	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	3.9	44
213	Search for neutral Higgs bosons decaying into four taus at LEP2. Journal of High Energy Physics, 2010, 2010, 1.	4.7	43
214	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
215	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
216	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	3.9	43

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218	Measurement of the top-quark mass in $\overline{t}t$ events with dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	42
219	Evidence for exclusive $\hat{t}\hat{t}^* W + W \hat{a}^{\sim}$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	42
220	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	42
221	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	42
222	Measurement of the $\hat{t}\hat{b}$ polarization in Z decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 365, 437-447.	4.1	41
223	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
224	Measurement of the $t\bar{t}\hat{A}^-$ production cross section in the $e\hat{t}\hat{t}^*$ channel in proton-proton collisions at $s = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	41
225	Measurement of the $\overline{t}t\hat{A}^-$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ and $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2016, 76, 128.	3.9	41
226	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	41
227	Measurement of properties of $B_{\text{u}}^0 \rightarrow \hat{t}\hat{t}^* \hat{t}\hat{t}^*$ decays and search for $B_{\text{u}}^0 \rightarrow \hat{t}\hat{t}^* \hat{t}\hat{t}^*$ with the CMS experiment. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	41
228	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	41
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230	A measurement of $ V_{cb} $ from. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 359, 236-248.	4.1	40
231	Quark and gluon jet properties in symmetric three-jet events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 384, 353-364.	4.1	40
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 the $\overline{t}t\hat{A}^-$ production cross section using events in the $e\mu e\hat{t}\hat{t}^*$ final state in pp collisions at $\sqrt{s}=13$ and $\sqrt{s}=13$ TeV. <i>European Physical Journal C</i> , 2017, 77, 172.	3.9	40
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236	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	40
237	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.	3.9	40
238	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
239	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
240	Measurement of the $Z \rightarrow b\bar{b}$ jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
241	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
242	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma, 2\gamma, \gamma\gamma$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
243	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
244	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
245	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
246	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
247	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	3.9	38
248	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 636.	3.9	38
249	Suppression of Excited χ_{c1} States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 142301.	7.8	38
250	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
251	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	1.2	37
252	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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254	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
255	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	37
256	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
257	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	1.2	36
258	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36
259	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}\gamma\gamma$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
260	Search for Narrow Resonances in the $b\bar{b}\gamma\gamma$ -Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 201801.	7.8	36
261	Search for new particles in events with energetic jets and large missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	36
262	Mass limit for the standard model Higgs boson with the full LEP I ALEPH data sample. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 427-438.	4.1	35
263	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
264	Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm}$ jets and $e^{\pm}\gamma$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
265	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2017, 119, 111802.	7.8	35
266	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
267	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
268	Measurement of exclusive Υ photoproduction from protons in $p\bar{p}$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 277.	3.9	35
269	Measurement of associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 269.	3.9	35
270	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	3.9	35

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272	Search for $\hat{p}\hat{p}\hat{p}\hat{p}\hat{p}$ in $e+e\hat{p}$ collisions at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 530, 56-66.	4.1	34
273	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
274	Search for microscopic black holes in pp collisions at $\sqrt{s} = \{7\text{TeV}\}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
275	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 $\hat{L} \pm T$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
276	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
277	Measurement of $\overline{\text{t}}\text{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \text{ext}\{\text{TeV}\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 379.	3.9	34
278	Measurements of the $\overline{\text{t}}\text{t}$ production cross section in lepton+jets final states in pp collisions at 8 $\text{ext}\{\text{TeV}\}$ TeV and ratio of 8 to 7 $\text{ext}\{\text{TeV}\}$ TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
279	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two \hat{l} , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
280	Measurement of the top quark mass with lepton+jets final states using pp collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$. European Physical Journal C, 2018, 78, 891.	3.9	34
281	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	34
282	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ $s = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 90.	3.9	34
283	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7\text{-mbx}\{\text{TeV}\}$. European Physical Journal C, 2012, 72, 1.	3.9	33
284	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
285	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	3.9	33
286	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two \hat{l} , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	33
287	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ext}\{\text{TeV}\}$ $\text{ext}\{\text{V}\}$. European Physical Journal C, 2019, 79, 702.	3.9	33
288	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$ $\text{ext}\{\text{V}\}$. European Physical Journal C, 2021, 81, 13.	3.9	33

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290	Measurement of $\sigma_{\text{t}\bar{\text{t}}}$ normalised multi-differential cross sections in $\sqrt{s}=13$ TeV collisions, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	3.9	33
291	Study of the B_s^0 oscillation frequency using $D_s^+ \rightarrow \mu^+ \nu_\mu$ combinations in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 377, 205-221.	4.1	32
292	Measurement of $\overline{B} \rightarrow B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
293	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
294	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
295	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2674.	3.9	32
296	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	1.2	32
297	Measurements of the $Z \rightarrow \mu\mu$ production cross sections in the $2 \leq \eta \leq 2.4$ channel in proton-proton collisions at $\sqrt{s}=7$ and $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
298	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
299	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV Using Isolated Photon-Tagged Jets. Physical Review Letters, 2018, 121, 242301.	7.8	32
300	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	31
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302	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
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304	Search for top squark pair production in pp collisions at $\sqrt{s}=13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
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309	Strange b baryon production and lifetime in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 449-460.	4.1	30
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314	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
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316	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	3.9	30
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329	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	28
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332	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
333	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
334	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 291.	3.9	27
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353	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	25
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377	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
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391	Search for physics beyond the standard model in events with $\tilde{\chi}_1^0$, leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
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400	Search for supersymmetry in events with a $\bar{l}l$ lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
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406	Measurements of the b baryon lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 685-698.	4.1	20
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436	Measurement of normalized differential $\overline{\sigma}(\mathcal{B})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
437	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
438	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
439	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20.	3.9	18
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451	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
452	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
453	Measurement of electroweak-induced production of $W\bar{t}^3$ with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
454	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
455	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
456	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\text{NN}}} = 5.44$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
457	Search for $Z\bar{t}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
458	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
459	Search for the decay of a Higgs boson in the $\bar{a}, \bar{a}, \bar{t}^3$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
460	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
461	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	17
462	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
463	Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804.	7.8	17
464	Michel parameters and \bar{I}_ν , neutrino helicity from decay correlations in $Z \rightarrow \bar{l}_\nu + \bar{l}_\nu + \bar{a}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 346, 379-388.	4.1	16
465	Search for supersymmetric particles with R-parity violation in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 349, 238-252.	4.1	16
466	Charm counting in b decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 388, 648-658.	4.1	16
467	Measurement of W-pair production in e^+e^- collisions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 484, 205-217.	4.1	16
468	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	16

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469	Measurement of the $\overline{\text{t}}\text{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
470	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	16
471	Measurement of jet multiplicity distributions in $\overline{\text{t}}\text{t}$ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16
472	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an μe pair in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
473	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16
474	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
475	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
476	Measurement of the production cross section of a Wb boson in association with two b jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
477	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
478	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
479	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 886.	3.9	16
480	Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2021, 127, 122001.	7.8	16
481	Measurement of prompt photon production in hadronic Z decays. Zeitschrift für Physik C-Particles and Fields, 1993, 57, 17-35.	1.5	15
482	Test of the flavour independence of $\hat{\Gamma}_{\pm}$ s. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 381-393.	4.1	15
483	Study of the four-fermion final state at the Z resonance. Zeitschrift für Physik C-Particles and Fields, 1995, 66, 3-18.	1.5	15
484	Search for heavy lepton pair production in e^+e^- collisions at centre-of-mass energies of 130 and 136 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 439-448.	4.1	15
485	Fermi-Dirac correlations in $\hat{\Gamma}$ pairs in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 395-406.	4.1	15
486	Exclusive production of pion and kaon meson pairs in two photon collisions at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 569, 140-150.	4.1	15

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487	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
488	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
489	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
490	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
491	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
492	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
493	Measurement of the $t\bar{t}\hat{A}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
494	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
495	Search for a singly produced third-generation scalar leptoquark decaying to a \tilde{l} , lepton and a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
496	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	3.9	15
497	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
498	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\hat{l}\hat{l}$, and $e\hat{l}$, in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
499	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	15
500	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	15
501	Search for contact interactions in the reaction $e^+e^- \rightarrow \hat{l} + \hat{l}$ and $e^+e^- \rightarrow \hat{l}\hat{l}$. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 215-229.	1.5	14
502	Improved measurement of the B^0 and B^+ meson lifetimes. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 31-44.	1.5	14
503	Observation of charmless hadronic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 471-480.	4.1	14
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506	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	14
507	Search for s channel single top quark production in pp collisions at $s = 7\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
508	Search for supersymmetry in pp collisions at $s = 13\sqrt{s}=13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
509	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau^+\tau^-$ at $s = 13\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
510	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
511	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
512	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
513	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
514	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 221802.	7.8	14
515	Studies of $B^0 \rightarrow B^+ B^-$ and $B^0 \rightarrow B^+ B^-$ and $B^0 \rightarrow B^+ B^-$		

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523	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
524	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	14
525	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	3.9	14
526	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13
527	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
528	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13
529	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
530	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
531	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
532	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
533	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
534	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
535	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
536	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
537	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
538	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	13
539	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 202001.	7.8	13
540	Measurement of the $W\tilde{W}^3$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002.	7.8	13

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542	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
543	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
544	Measurement of the mass of the Λ_b baryon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 442-452.	4.1	12
545	A flavour-independent Higgs boson search in e^+e^- collisions at s up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 25-34.	4.1	12
546	Measurement of the hadronic photon structure function $F_2^\gamma(x, Q^2)$ in two-photon collisions at LEP. European Physical Journal C, 2003, 30, 145-158.	3.9	12
547	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
548	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
549	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
550	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
551	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
552	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_1^0\tilde{\chi}_1^0$ or $\tilde{\chi}_1^0, \tilde{\chi}_1^\pm, \tilde{\chi}_2^0$ at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
553	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12
554	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
555	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 893.	3.9	12
556	Investigation into the event-activity dependence of $\tilde{p}_T(nS)$ relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
557	Constraints on the production of $\tilde{t}\tilde{t}^*$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 121801.	4.7	12
558	Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV using effective field theory. Journal of High Energy Physics, 2021, 2021, 1.	4.7	12

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560	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	4.7	12
561	A precise measurement of the average b hadron lifetime. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1996, 369, 151-162.	4.1	11
562	Two-particle correlations in pp , $\langle \text{mml:math altimg="si1.gif" overflow="scroll"} \rangle$ $\text{xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd"} \text{xmlns:xs="http://www.w3.org/2001/XMLSchema"} \text{xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"} \text{xmlns="http://www.elsevier.com/xml/ja/dtd"} \text{xmlns:ja="http://www.elsevier.com/xml/ja/dtd"} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"} \text{xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd"} \text{xmlns:ce="http://www.elsevier.com.}$	4.1	11
563	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	11
564	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	11
565	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \gamma\gamma, \gamma Z, \gamma^* \gamma^*, \gamma^* Z, \gamma^* \gamma^*$ decay channel in pp collisions at $\sqrt{s} = 7, 8$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	11
566	Measurement of the $Z\tilde{\chi}^0_1$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	11
567	Search for electroweak production of charginos in final states with two \tilde{l} , leptons in pp collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	11
568	Measurement of the semileptonic $t \bar{t} \rightarrow \text{lepton} + \tilde{\chi}^0_1$ production cross section in pp collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	11
569	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s = 8$ TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	11
570	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	11
571	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	11
572	Search for supersymmetry in events with a photon, jets, b-jets , and missing transverse momentum in proton-proton collisions at 13 TeV. <i>European Physical Journal C</i> , 2019, 79, 444.	3.9	11
573	Search for nonresonant Higgs boson pair production in the $\text{b} \bar{\text{b}} \text{b} \bar{\text{b}}$ final state at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	11
574	Study of the underlying event in top quark pair production in pp collisions at 13 TeV. <i>European Physical Journal C</i> , 2019, 79, 123.	3.9	11
575	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	11
576	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	11

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578	First measurement of large area jet transverse momentum spectra in heavy-ion collisions. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
579	Search for a heavy Higgs boson decaying into two lighter Higgs bosons in the $\tau\tau$ final state at 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
580	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. Physical Review Letters, 2022, 128, 122301.	7.8	11
581	Measurement of the b forward-backward asymmetry and mixing using high- p_T leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 414-426.	4.1	10
582	A measurement of the gluon splitting rate into $c\bar{c}$ pairs in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 213-224.	4.1	10
583	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
584	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
585	Measurements of the $pp \rightarrow W^{\pm} Z^{\pm} \gamma$ and $pp \rightarrow Z^{\pm} Z^{\pm} \gamma$ cross sections and limits on anomalous quartic gauge couplings at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
586	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
587	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
588	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2018, 78, 242.	3.9	10
589	Measurement of the $Z/\gamma \rightarrow u\bar{u}$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $Z/\gamma \rightarrow \tau\bar{\tau}$ cross section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 708.	3.9	10
590	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u} \rightarrow \tau\bar{\tau} \gamma$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
591	Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b} \rightarrow \tau\bar{\tau} \gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
592	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
593	Evidence for W^+W^- production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
594	The forward-backward asymmetry for charm quarks at the Z pole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 352, 479-486.	4.1	9

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595	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
596	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\gamma$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	9
597	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	9
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