

Anna Colaleo

List of Publications by Year in descending order

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Version: 2024-02-01

710
papers

25,991
citations

9756

73
h-index

17546

121
g-index

731
all docs

731
docs citations

731
times ranked

10536
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for neutral MSSM Higgs bosons at LEP. <i>European Physical Journal C</i> , 2006, 47, 547.	1.4	592
2	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 \sqrt{s} TeV. <i>European Physical Journal C</i> , 2015, 75, 212.	1.4	541
3	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016, 76, 155.	1.4	499
4	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
5	Study of high- p_T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}}=2.76\text{--}7\text{ TeV}$. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	369
6	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. <i>European Physical Journal C</i> , 2019, 79, 421.	1.4	355
7	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014, 74, 3076.	1.4	342
8	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7\text{ and }8\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	320
9	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. <i>European Physical Journal C</i> , 2015, 75, 235.	1.4	320
10	Branching ratios and spectral functions of \tilde{J} , decays: Final ALEPH measurements and physics implications. <i>Physics Reports</i> , 2005, 421, 191-284.	10.3	288
11	A measurement of the inclusive $b\bar{t}s$ branching ratio. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 429, 169-187.	1.5	259
12	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $\sqrt{s}=8\text{ TeV}$. <i>European Physical Journal C</i> , 2014, 74, 3036.	1.4	241
13	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s}=0.9\text{ and }2.36\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	230
14	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	200
15	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. <i>European Physical Journal C</i> , 2020, 80, 4.	1.4	198
16	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s}=8\text{ TeV}$. <i>European Physical Journal C</i> , 2015, 75, 542.	1.4	191
17	Studies of Quantum Chromodynamics with the ALEPH detector. <i>Physics Reports</i> , 1998, 294, 1-165.	10.3	184
18	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}}=2.76\text{ TeV}$. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	181

#	ARTICLE	IF	CITATIONS
19	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

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#	ARTICLE	IF	CITATIONS
37	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
38	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.	1.5	116
39	Measurement of $\hat{\Gamma}$ polarization from Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 374, 319-330.	1.5	106
40	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	106
41	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
42	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.	1.6	101
43	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.	1.6	100
44	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
45	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.	1.4	98
46	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.	1.6	97
47	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.	1.6	95
48	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8, \text{ and } 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
49	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
50	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
51	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
52	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
53	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
54	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

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55	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.	1.4	85
56	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.	1.5	84
57	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
58	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
59	Measurement of the differential cross section and charge asymmetry for inclusive $\mathcal{P} \rightarrow \mathcal{W}^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
60	Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at 5.02 TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
61	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.	1.4	82
62	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.	1.6	82
63	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
64	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
65	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
66	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.	1.6	78
67	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
68	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
69	Final results of the searches for neutral Higgs bosons in e^+e^- collisions at s up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 191-205.	1.5	75
70	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
71	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
72	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.	1.4	74

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73	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \bar{\psi} + \bar{\psi} \psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
74	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
75	Search for additional neutral MSSM Higgs bosons in the $\bar{t}t$, final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
76	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.	1.5	72
77	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.	1.6	70
78	Searches for physics beyond the standard model with the $M_{\mathbb{T}2}$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{7\}$ TeV. European Physical Journal C, 2020, 80, 3.	1.4	70
79	Measurement of the $\overline{\text{t}}\text{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	69
80	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.	1.6	69
81	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
82	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.	1.4	68
83	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.	1.6	68
84	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.	1.4	68
85	Measurement of the $\overline{\text{t}}\text{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	1.4	68
86	Measurements of $ V_{cb} $, form factors and branching fractions in the decays and. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 395, 373-387.	1.5	66
87	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.	1.6	66
88	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{\text{NN}}}$ = 2.76 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
89	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7, \text{ext}\{7\}$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
90	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.	1.4	64

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91	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ $s = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
92	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
93	Measurement of the $W+W\tilde{a}$ cross section in pp collisions at $\sqrt{s} = 7 \text{TeV}$ and limits on anomalous $WW\tilde{f}^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
94	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8, \text{ext}\{\text{TeV}\}$ $s = 8$ TeV. European Physical Journal C, 2016, 76, 13.	1.4	62
95	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
96	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
97	Measurement of prompt J/ψ pair production in pp collisions at $s \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	61
98	Search for charged Higgs bosons in $e+e\tilde{\nu}$ collisions at energies up to $\hat{A}\text{GeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 543, 1-13.	1.5	60
99	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.	1.4	60
100	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7, \text{ext}\{\text{TeV}\}$ $s = 7, \text{ext}\{\text{TeV}\}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	59
101	Search for supersymmetric particles in $e+e\tilde{\nu}$ 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.	1.5	58
102	Search for anomalous $\overline{t}t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
103	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.	1.6	58
104	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
105	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{TeV}$. European Physical Journal C, 2015, 75, 237.	1.4	58
106	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8TeV . European Physical Journal C, 2018, 78, 701.	1.4	58
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109	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
110	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
111	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
112	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	56
113	Exclusive $\bar{t}t + \bar{t}t'$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	56
114	Event activity dependence of Y (nS) production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
115	Measurement of $\hat{\pm}s$ 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.	1.5	55
116	Search for scalar quarks in $e+e'$ collisions at up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 537, 5-20.	1.5	55
117	Measurement of masses in the $\overline{\text{t}}\text{t}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
118	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	55
119	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.	1.4	55
120	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.	1.4	54
121	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.	1.6	54
122	Search for charged Higgs bosons in the $H_{\pm} \rightarrow \bar{t}t'$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
123	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.	1.6	54
124	Search for pentaquark states in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 599, 1-16.	1.5	53
125	Measurement of the $\text{t}\bar{\text{t}}$ 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.	1.6	53
126	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53

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127	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	52
128	Fermion pair production in e+e- collisions at $\sqrt{s} = 209$ GeV and constraints on physics beyond the standard model. European Physical Journal C, 2007, 49, 411-437.	1.4	52
129	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
130	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
131	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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 165.	1.4	52
132	Search for supersymmetric particles in e+e γ collisions at up to $\sqrt{s} = 202$ GeV and mass limit for the lightest neutralino. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 67-84.	1.5	51
133	Measurement of the triple gauge-boson couplings $\Gamma_{WW\gamma}$ and $\Gamma_{ZZ\gamma}$ in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	51
134	Search for exclusive or semi-exclusive $\tau^+\tau^-$ production and observation of exclusive and semi-exclusive e+e γ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	51
135	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
136	First measurement of the underlying event activity at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	1.4	50
137	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.	1.6	50
138	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.	1.4	50
139	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.	1.6	49
140	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.	1.6	49
141	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
142	Absolute mass lower limit for the lightest neutralino of the MSSM from e+e γ data at \sqrt{s} up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 247-263.	1.5	48
143	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	48
144	Observation of $\Upsilon(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48

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145	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ Te. European Physical Journal C, 2019, 79, 364.	1.4	48
146	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
147	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
148	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.	1.6	46
149	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	46
150	Search for third-generation scalar leptoquarks decaying to a top quark and a τ lepton at $\sqrt{s} = 13$ Te. European Physical Journal C, 2018, 78, 707.	1.4	46
151	The simulation of resistive plate chambers in avalanche mode: charge spectra and efficiency. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 431, 413-427.	0.7	45
152	Measurement of the W boson mass and width in e+e- collisions at LEP. European Physical Journal C, 2006, 47, 309-335.	1.4	45
153	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
154	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
155	Search for a light charged Higgs boson decaying to $c \bar{s}$ in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
156	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.	1.4	44
157	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.	1.4	44
158	Search for neutral Higgs bosons decaying into four taus at LEP2. Journal of High Energy Physics, 2010, 2010, 1.	1.6	43
159	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.	1.4	43
160	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
161	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.	1.4	43
162	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43

#	ARTICLE	IF	CITATIONS
163	Measurement of the top-quark mass in $\overline{t}t$ events with dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	42
164	Evidence for exclusive $\hat{t}\hat{t}^* W + W \hat{t}\hat{t}^*$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	42
165	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
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179	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
180	Measurement of the $\overline{t}t$ production cross section using events in the $e\mu e\hat{t}\hat{t}^*$ final state in pp collisions at $\sqrt{s}=13$ and $s = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40

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188	Measurement of the $Z\bar{t}t$ b-jet cross section in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
189	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.	1.6	39
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194	Search for heavy stable charged particles in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
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196	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2017, 77, 845.	1.4	38
197	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2017, 77, 636.	1.4	38
198	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying t , leptons at $\sqrt{s}=13\text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38

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201	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.	1.4	37
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205	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	36
206	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.	1.6	36
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213	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.	1.6	35
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218	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
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230	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.	1.6	33
231	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
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237	Study of the B_s^0 oscillation frequency using $D_s^* \rightarrow \mu^+ \mu^-$ combinations in Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 377, 205-221.	1.5	32
238	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.	1.6	32
239	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.	1.6	32
240	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
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244	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.	1.6	31
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248	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV . Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
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256	Measurement of triple gauge-boson couplings at 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 369-383.	1.5	30
257	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	30
258	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
259	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q} \gamma \gamma, \gamma \gamma \gamma, \gamma \gamma \gamma \gamma$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
260	Measurement of the W-boson helicity in top-quark decays from $\overline{\text{t}} \rightarrow \text{t} \gamma$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
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262	Search for massive WH resonances decaying into the $u \overline{b} \overline{b} \gamma, \frac{1}{2} b \overline{b} \gamma$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
263	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.	1.4	30
264	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	29
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276	Search for $\overline{\sigma}$ production in the $\overline{\sigma}$ decay channel with leptonic $\overline{\sigma}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
277	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
278	Progresses in the simulation of resistive plate chambers in avalanche mode. Nuclear Physics, Section B, Proceedings Supplements, 1999, 78, 459-464.	0.5	27
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280	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.	1.6	27
281	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.	1.6	27
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291	Search for resonant $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
292	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	26
293	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\gamma, 2\ell\ell$ channel in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
294	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
295	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
296	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	26
297	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \text{TeV}$. European Physical Journal C, 2016, 76, 1.	1.4	26
298	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	26
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303	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
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305	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
306	Measurement of the $t\bar{t}$ production cross section in the $t\bar{t} + \text{jets}$ channel in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	1.4	24

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307	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
308	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
309	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
310	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
311	Measurements of $\sigma(\text{pp} \rightarrow \text{pp} \gamma \text{pp})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	1.4	24
312	Scalar quark searches in e^+e^- collisions at $\sqrt{s} = 181-184$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 189-199.	1.5	23
313	Searches for sleptons and squarks in e^+e^- collisions at 189 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 469, 303-314.	1.5	23
314	A study of the decay width difference in the B^0 system using $\Delta\Gamma$ correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 486, 286-299.	1.5	23
315	Search for τ^3 decays of a Higgs boson in e^+e^- collisions at \sqrt{s} up to 209 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 544, 16-24.	1.5	23
316	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	23
317	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23
318	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
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320	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
321	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.	1.6	23
322	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 354.	1.4	23
323	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
324	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23

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326	Search for a light pseudoscalar Higgs boson in the boosted $\frac{1}{4}\frac{1}{4}l\bar{l}$, final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	23
327	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13$, {TeV}. European Physical Journal C, 2020, 80, 752.	1.4	23
328	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
329	Search for excited leptons at $130\hat{e}140$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 385, 445-453.	1.5	22
330	A measurement of the gluon splitting rate into pairs in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 437-450.	1.5	22
331	Three-prong \tilde{l} , decays with charged kaons. European Physical Journal C, 1998, 1, 65-79.	1.4	22
332	Search for charged Higgs bosons in $e+e\hat{e}^{\gamma}$ collisions at energies up to $=189$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 253-263.	1.5	22
333	Searches for neutral Higgs bosons in $e+e\hat{e}^{\gamma}$ collisions at centre-of-mass energies from 192 to 202 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 53-66.	1.5	22
334	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	1.6	22
335	Search for physics beyond the standard model in events with \tilde{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2493.	1.4	22
336	Search for $t\bar{t}\hat{A}^{-}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $s=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
337	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $s=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
338	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
339	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \tilde{l} , leptons and two jets in proton-proton collisions at $s=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
340	Search for direct pair production of supersymmetric partners to the τ_{1}^{\pm} lepton in proton-proton collisions at $\sqrt{s}=13$, {TeV}. European Physical Journal C, 2020, 80, 189.	1.4	22
341	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 370.	1.4	22
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344	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
345	Search for supersymmetry in events with a \tilde{l} , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
346	Search for beyond the standard model Higgs bosons decaying into a $\overline{b}b$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
347	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	1.3	21
348	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
349	Measurements of the b baryon lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 685-698.	1.5	20
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351	Search for the Bc meson in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 402, 213-226.	1.5	20
352	Updated measurement of the \tilde{l} , lepton lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 362-372.	1.5	20
353	The CMS RPC gas gain monitoring system: An overview and preliminary results. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 805-808.	0.7	20
354	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	20
355	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
356	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	1.4	20
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358	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
359	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
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362	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 94.	1.4	20
363	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
364	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
365	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
366	Searches for scalar top and scalar bottom quarks at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 413, 431-446.	1.5	19
367	Effect of the linseed oil surface treatment on the performance of resistive plate chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 394, 13-20.	0.7	19
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369	Bose-Einstein correlations in W-pair decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 478, 50-64.	1.5	19
370	Leptonic decays of the D _s meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 528, 1-18.	1.5	19
371	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
372	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $l\bar{l}$, leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
373	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	19
374	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 723.	1.4	19
375	A study of single and multi-photon 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, 333-342.	1.5	18
376	Beam test results on double-gap resistive plate chambers proposed for CMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 414, 135-148.	0.7	18
377	Search for supersymmetry in the photon(s) plus missing energy channels at GeV and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 127-139.	1.5	18
378	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18

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381	Measurement of normalized differential $\overline{\sigma}$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
382	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.	1.6	18
383	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.	1.6	18
384	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.	1.4	18
385	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
386	MUSiC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	1.4	18
387	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 970.	1.4	18
388	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.	1.4	18
389	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
390	Measurement of the Λ_b^0 lifetime in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
391	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
392	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	1.4	17
393	Measurement of the ratio of the production cross sections times branching fractions of $B_c \rightarrow \bar{c} \ell^+ \nu_\ell$ and $B \rightarrow \bar{c} \ell^+ \nu_\ell$ in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
394	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
395	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.	1.6	17
396	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.	1.6	17

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416	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.	1.6	16
417	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 92.	1.4	16
418	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	1.4	16
419	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.	1.6	16
420	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.	1.4	16
421	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.	1.5	15
422	Measurement of the W mass by direct reconstruction in e^+e^- collisions at 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 422, 384-398.	1.5	15
423	Study of D^0 mixing and D^0 doubly Cabibbo-suppressed decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 211-221.	1.5	15
424	Searches for the neutral Higgs bosons of the MSSM in e^+e^- collisions at centre-of-mass energies of 181-184 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 440, 419-434.	1.5	15
425	Measurement of W-pair production in e^+e^- collisions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 453, 107-120.	1.5	15
426	A study of single W production in e^+e^- collisions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 389-400.	1.5	15
427	Fermi-Dirac correlations in \hat{b} pairs in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 395-406.	1.5	15
428	Search for a scalar top almost degenerate with the lightest neutralino in e^+e^- collisions at up to 202 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 488, 234-246.	1.5	15
429	Simulation of Resistive Plate Chamber sensitivity to neutrons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 461, 57-59.	0.7	15
430	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.	1.5	15
431	Results about HF production and bakelite analysis for the CMS Resistive Plate Chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 594, 140-147.	0.7	15
432	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15

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433	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
434	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.	1.6	15
435	Upgrade of the CMS muon system with triple-GEM detectors. Journal of Instrumentation, 2014, 9, C10036-C10036.	0.5	15
436	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
437	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.	1.6	15
438	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.	1.6	15
439	Measurement of the $t\bar{t}$ 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.	1.6	15
440	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.	1.6	15
441	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.	1.6	15
442	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2018, 78, 457.	1.4	15
443	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.	1.6	15
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445	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\hat{1}/4\tilde{l}$, and $e\tilde{l}$, in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
446	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.	1.6	15
447	Improved measurement of the B^0 and B^+ meson lifetimes. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 31-44.	1.5	14
448	Observation of charmless hadronic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 384, 471-480.	1.5	14
449	Search for the Standard Model Higgs boson in e^+e^- collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 412, 155-172.	1.5	14
450	RPC $\hat{1}^3$ sensitivity simulation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 456, 99-102.	0.7	14

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452	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	14
453	Search for s channel single top quark production in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
454	Search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
455	Search for associated production of dark matter with a Higgs boson decaying to $b \bar{b}$ or $\tau^+ \tau^-$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
456	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
457	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.	1.6	14
458	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
459	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.	1.6	14
460	Studies of $B^0 \rightarrow B^+ B^-$ and $B^0 \rightarrow B^+ B^-$ and $B^0 \rightarrow B^+ B^-$		

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470	Recent results and developments on double-gap RPCs for CMS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 409, 43-45.	0.7	13
471	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	1.6	13
472	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.	1.6	13
473	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.	1.6	13
474	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
475	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.	1.6	13
476	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 $s = 13 \sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
477	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.	1.6	13
478	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.	1.6	13
479	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.	1.6	13
480	Jet properties in PbPb and pp collisions at $\sqrt{s_{\mathrm{N};\mathrm{N}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
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