

Paolo Giacomelli

List of Publications by Year in descending order

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Version: 2024-02-01

495
papers

22,753
citations

9786

73
h-index

16183

124
g-index

511
all docs

511
docs citations

511
times ranked

10341
citing authors

#	ARTICLE	IF	CITATIONS
1	Glueball masses and string tension in lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 192, 163-169.	4.1	618
2	Search for neutral MSSM Higgs bosons at LEP. European Physical Journal C, 2006, 47, 547.	3.9	592
3	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. European Physical Journal C, 2015, 75, 212.	3.9	541
4	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
5	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
6	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	2.6	424
7	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\text{NN}}}=2.76\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	369
8	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2019, 79, 421.	3.9	355
9	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
10	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
11	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	320
12	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. European Physical Journal C, 2015, 75, 235.	3.9	320
13	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
14	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
15	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{\text{NN}}}=2.76\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	200
16	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
17	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s}=8\text{ TeV}$. European Physical Journal C, 2015, 75, 542.	3.9	191
18	Search for oscillations at the CERN proton-antiproton collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 186, 247-254.	4.1	186

#	ARTICLE	IF	CITATIONS
37	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
38	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
39	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
40	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	103
41	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
42	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
43	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	99
44	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
45	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
46	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
47	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
48	Measurement of the inclusive jet cross section at the CERN p collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 172, 461-466.	4.1	94
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.	4.7	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.	3.9	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.	4.7	86
52	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	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.	4.7	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.	4.7	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.	3.9	85
56	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
57	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
58	Measurement of the differential cross section and charge asymmetry for inclusive $\mathit{p} \rightarrow \mathit{W}^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
59	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s} = 5.02$ TeV PbPb collisions. European Physical Journal C, 2018, 78, 509.	3.9	83
60	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
61	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
62	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
63	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
64	QCD studies with e^+e^- annihilation data at 130 and 136 GeV. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 191-206.	1.5	78
65	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
66	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
67	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
68	Events with large missing transverse energy at the cern collider: II. search for the decays of W^{\pm} into heavy leptons and of Z0 into non-interacting particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 241-248.	4.1	75
69	Study of exclusive two-photon production of $W+W^{\pm}$ 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
70	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
71	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
72	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73

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73	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. <i>European Physical Journal C</i> , 2015, 75, 251.	3.9	73
74	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. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	70
75	Searches for physics beyond the standard model with the $M_{\mathcal{T}2}$ variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$, ext {TeV} ext {V} \$. <i>European Physical Journal C</i> , 2020, 80, 3.	3.9	70
76	Measurement of the $\overline{\text{t}}\text{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	69
77	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	69
78	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	68
79	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. <i>European Physical Journal C</i> , 2013, 73, 2469.	3.9	68
80	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	68
81	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. <i>European Physical Journal C</i> , 2015, 75, 186.	3.9	68
82	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. <i>European Physical Journal C</i> , 2019, 79, 368.	3.9	68
83	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{\text{NN}}}$ = 2.76 TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	65
84	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7$, ext {TeV} \$ \$ s = 7 TeV. <i>European Physical Journal C</i> , 2014, 74, 3129.	3.9	65
85	Improved measurements of cross sections and asymmetries at the Z0 resonance. <i>Nuclear Physics B</i> , 1994, 418, 403-427.	2.5	64
86	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2283.	3.9	64
87	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} \$ \$ s = 13 TeV. <i>European Physical Journal C</i> , 2016, 76, 439.	3.9	64
88	Events with large missing transverse energy at the cern collider: $W\tau^+\tau^-$ decay and test of $\tau \rightarrow e$ universality at $Q^2=m_W^2$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1987, 185, 233-240.	4.1	63
89	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	63
90	Measurement of the $W+W\gamma$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\gamma^3$ and WWZ couplings. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	62

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91	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.	3.9	62
92	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.	4.7	62
93	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
94	Measurement of prompt J/ψ pair production in pp collisions at $s = 7 \sqrt{s}$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
95	Search for the Standard Model Higgs boson in $e+e^{-}$ collisions at $\sqrt{s}=209$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 499, 38-52.	4.1	60
96	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
97	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7, \text{ext}\{\text{TeV}\}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
98	Search for anomalous $\overline{t}t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
99	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
100	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	4.7	58
101	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
102	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
103			

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109	Event activity dependence of Y (nS) production in $\sqrt{s_{NN}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	56
110	Search for doubly charged Higgs bosons with the OPAL detector at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 526, 221-232.	4.1	55
111	Measurement of masses in the $\overline{t}t$ system by kinematic endpoints in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55
112	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
113	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
114	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
115	Measurement of the time dependence of mixing using a jet charge technique. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 411-424.	4.1	53
116	Measurement of the $t\bar{t}$ 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.	4.7	53
117	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
118	Measurement of the $\overline{t}t$ 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
119	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.	3.9	52
120	Measurements of the $pp \rightarrow ZZ$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	3.9	52
121	Search for exclusive or semi-exclusive $\hat{t}\hat{t}^3$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	51
122	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	4.7	51
123	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	3.9	50
124	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
125	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
126	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

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127	Search for leptonic decays of W^{\pm} bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
128	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	3.9	49
129	Glueball masses and the loop-loop correlation functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 400-402.	4.1	48
130	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
131	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
132	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	3.9	48
133	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	47
134	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
135	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
136	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
137	Search for third-generation scalar leptoquarks decaying to a top quark and a μ , lepton at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 707.	3.9	46
138	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.	4.7	45
139	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
140	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.	4.7	44
141	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
142	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
143	The APE computer: An array processor optimized for lattice gauge theory simulations. Computer Physics Communications, 1987, 45, 345-353.	7.5	43
144	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

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145	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
146	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 325.	3.9	43
147	Measurement of the top-quark mass in $\overline{\text{t}} \text{ events with dilepton final states in pp collisions at } \sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	3.9	42
148	Evidence for exclusive $\hat{t}\hat{t}^* W + W \hat{t}^*$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7 \sqrt{s} = 7 \sqrt{s}$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
149	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
150	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
151	Measurement of the $\overline{\text{t}} \text{ production cross section in the } e\bar{\nu}_\tau$ channel in proton-proton collisions at $s = 7 \sqrt{s} = 7 \sqrt{s}$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
152	Measurement of the $\overline{\text{t}} \text{ production cross section in the all-jets final state in pp collisions at } \sqrt{s} = 8 \text{ TeV, ext } \{ \text{TeV} \}$ TeV. European Physical Journal C, 2016, 76, 128.	3.9	41
153	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 $s = 13 \sqrt{s} = 13 \sqrt{s}$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	41
154	Search for same-sign top-quark pair production at $\sqrt{s} = 7 \text{ TeV}$ and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40
155	Measurement of the $\overline{\text{t}} \text{ production cross section using events in the } e\bar{\nu}_\tau$ final state in pp collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ $s = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 172.	3.9	40
156	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ and constraints on dark matter and other models. European Physical Journal C, 2018, 78, 789.	3.9	40
157	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ $s = 13 \text{ TeV}$ and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40
158	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ $s = 13 \text{ TeV}$. European Physical Journal C, 2021, 81, 378.	3.9	40
159	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
160	Measurement of the $Z/\bar{\nu}_\tau \text{ b-jet cross section in pp collisions at } \sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
161	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
162	Measurement of the ZZ production cross section and search for anomalous couplings in $2\hat{t}, 2\hat{b}, \hat{t}\hat{t}^*$ final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39

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163	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
164	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
165	A study of b quark fragmentation into B^0 and B^+ mesons at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 364, 93-106.	4.1	38
166	A study of charm hadron production in $Z^0 \rightarrow c\bar{c}$ and $Z^0 \rightarrow b\bar{b}$ decays at LEP decays at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 1-16.	1.5	38
167	Search for the single production of doubly-charged Higgs bosons and constraints on their couplings from Bhabha scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 577, 93-108.	4.1	38
168	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
169	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
170	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
171	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
172	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 $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
173	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
174	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	37
175	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
176	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
177	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
178	Direct photon cross sections in proton-proton and antiproton-proton interactions at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 436, 222-230.	4.1	35
179	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
180	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \nu\bar{\nu} + \text{jets}$ and $e^+e^- \rightarrow \nu\bar{\nu} + \text{jets}$ events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35

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181	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	35
182	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2019, 79, 277.	3.9	35
183	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2021, 81, 488.	3.9	35
184	Observation of Z decays to four leptons with the CMS detector at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	34
185	Search for microscopic black holes in pp collisions at $\sqrt{s} = \{ext\{7TeV\}\}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	34
186	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or ≥ 3 b -quark jets in 7 TeV pp collisions using the variable \hat{t} . <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	34
187	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	34
188	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2016, 76, 379.	3.9	34
189	Measurements of the $t\bar{t}$ production cross section in lepton+jets final states in pp collisions at $8, \text{ext } \{TeV\}$ and ratio of 8 to $7A, \text{ext } \{TeV\}$ cross sections. <i>European Physical Journal C</i> , 2017, 77, 15.	3.9	34
190	Measurement of the top quark mass with lepton+jets final states using pPb collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2018, 78, 891.	3.9	34
191	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2019, 79, 90.	3.9	34
192	Measurements of the B_s^0 and B_d^0 lifetimes. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 426, 161-179.	4.1	33
193	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	33
194	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	33
195	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. <i>European Physical Journal C</i> , 2016, 76, 371.	3.9	33
196	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2019, 79, 702.	3.9	33
197	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2021, 81, 13.	3.9	33
198	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s} = 13, \text{ext } \{TeV\}$. <i>European Physical Journal C</i> , 2021, 81, 3.	3.9	33

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199	Measurement of $\overline{\sigma}_{\text{pp}}$ normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13, \text{TeV}$, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	33
200	A model independent measurement of quark and gluon jet properties and differences. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1995, 68, 179-201.	1.5	32
201	Measurement of $\overline{\sigma}_{\text{B}}$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7, \text{TeV}$. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	32
202	Search for supersymmetry in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in events with a single lepton, jets, and missing transverse momentum. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	32
203	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	32
204	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>European Physical Journal C</i> , 2013, 73, 2674.	3.9	32
205	Measurements of the $\text{Z} \rightarrow \text{Z}$ production cross sections in the $2\ell + 2\ell + \cancel{E}_T$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 . <i>European Physical Journal C</i> , 2015, 75, 511.	3.9	32
206	Searches for pair production of third-generation squarks in $\sqrt{s}=13 \text{ TeV}$ pp collisions. <i>European Physical Journal C</i> , 2017, 77, 327.	3.9	32
207	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s}=7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	31
208	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	31
209	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=8, \text{TeV}$. <i>European Physical Journal C</i> , 2015, 75, 66.	3.9	31
210	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{\text{NN}}}=2.76 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	31
211	Search for top squark pair production in pp collisions at $\sqrt{s}=13 \text{ TeV}$ using single lepton events. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	31
212	A multi-dimensional search for new heavy resonances decaying to boosted W or Z boson pairs in the dijet final state at $\sqrt{s}=13, \text{TeV}$. <i>European Physical Journal C</i> , 2020, 80, 237.	3.9	31
213	Determination of $\hat{\sigma}_S$ using OPAL hadronic event shapes at $\sqrt{s} = 91 \text{ GeV}$ and resummed NNLO calculations. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	30
214	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	30
215	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	30
216	Measurement of the W-boson helicity in top-quark decays from $\overline{\text{t}} \rightarrow Wb$ production in lepton+jets events in pp collisions at $\sqrt{s}=7 \text{ TeV}$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	30

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217	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
218	Search for massive WH resonances decaying into the $\ell u \overline{\mathbf{b}}$ final state at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 237.	3.9	30
219	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2017, 77, 751.	3.9	30
220	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2016, 76, 372.	3.9	29
221	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
222	A search for new phenomena in pp collisions at $\sqrt{s} = 13 \text{ TeV}$ in final states with missing transverse momentum and at least one jet using the α_T variable. European Physical Journal C, 2017, 77, 294.	3.9	29
223	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	29
224	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 280.	3.9	29
225	Search for $\overline{\mathbf{t}}\mathbf{H}$ production in the $\mathbf{H} \rightarrow \overline{\mathbf{b}}\mathbf{b}$ decay channel with leptonic $\overline{\mathbf{t}}\mathbf{H}$ decays in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
226	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
227	Measurement of the multiplicity of charm quark pairs from gluons in hadronic Z0 Decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 595-605.	4.1	27
228	Measurement of the $W+W\tilde{\nu}^3$ cross-section and first direct limits on anomalous electroweak quartic gauge couplings. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 471, 293-307.	4.1	27
229	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
230	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
231	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 $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
232	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2018, 78, 291.	3.9	27
233	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
234	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27

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236	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
237	Search for resonant $\overline{\text{t}}\text{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
238	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.	3.9	26
239	Search for the standard model Higgs boson in the $H \rightarrow \tau^+\tau^- \gamma$, $2\tau^+\tau^-$ channel in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
240	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.	4.7	26
241	Search for $W \rightarrow \tau^+\tau^-$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
242	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.	4.7	26
243	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \text{TeV}$. European Physical Journal C, 2016, 76, 1.	3.9	26
244	Search for the minimal standard model Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 327, 397-410.	4.1	25
245	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
246	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 325.	3.9	25
247	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.	4.7	25
248	Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. Nuclear Physics B, 1994, 417, 3-57.	2.5	24
249	A measurement of the $\hat{t}\hat{b}$ lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 402-412.	4.1	24
250	The production of neutral kaons in Z0 decays and their Bose-Einstein correlations. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 389-401.	1.5	24
251	Multiplicity dependence of Bose-Einstein correlations in hadronic Z0 decays. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 389-398.	1.5	24
252	Measurement of the ar production cross section in the $\tau^+\tau^-$ +jets channel in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	3.9	24

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254	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.	4.7	24
255	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.	4.7	24
256	Measurements of $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 200.	3.9	24
257	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7, \{\text{ext}\{\text{TeV}\}\}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
258	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $\sqrt{s} = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	3.9	23
259	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.	4.7	23
260	Measurement of the jet mass in highly boosted $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2017, 77, 467.	3.9	23
261	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.	4.7	23
262	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
263	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.	3.9	23
264	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $\sqrt{s} = 8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
265	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 $\sqrt{s} = 13, \{\text{ext } \{\text{TeV}\}\}$. European Physical Journal C, 2020, 80, 752.	3.9	23
266	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.	4.7	23
267	A study of $W+W\tilde{\nu}^3$ events at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 580, 17-36.	4.1	22
268	Search for physics beyond the standard model in events with $t\bar{t}$, 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
269	Search for $t\bar{t}\tilde{A}^-$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
270	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22

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272	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 $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
273	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	3.9	22
274	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.	3.9	22
275	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.	4.7	21
276	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
277	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.	4.7	21
278	Measurement of the partial width of the decay of the Z^0 into charm quark pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 140-148.	4.1	20
279	Σ^+ , Σ^0 and Σ^- hyperon production in hadronic Z^0 decays. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 587-599.	1.5	20
280	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.	4.7	20
281	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
282	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.	3.9	20
283	Measurements of the $\overline{\text{t}}\text{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
284	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.	4.7	20
285	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	20
286	Search for $\overline{\text{t}}\text{t}\text{H}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
287	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
288	Search for rare decays of Z and Higgs bosons to $\text{J}/\psi/\tilde{\tau}$ and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 94.	3.9	20

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289	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.	4.7	20
290	An improved measurement of the B^0 lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 350, 273-282.	4.1	19
291	A measurement of the B_d^0 oscillation frequency using leptons and $D^{*\pm}$ mesons. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 377-388.	1.5	19
292	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.	4.7	19
293	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{\nu}$, leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
294	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.	3.9	19
295	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	18
296	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
297	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.	3.9	18
298	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
299	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.	4.7	18
300	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	3.9	18
301	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.	3.9	18
302	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.	3.9	18
303	Determination of \hat{s} and the gluon distribution using direct photon production in and pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 317, 250-256.	4.1	17
304	Improved measurements of the B^0 and B^+ meson lifetimes. Zeitschrift für Physik C-Particles and Fields, 1995, 67, 379-388.	1.5	17
305	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
306	Measurement of the Λ_b^0 lifetime in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17

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