Bhawna Gomber

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4524195/publications.pdf

Version: 2024-02-01

214 papers

11,894 citations

23500 58 h-index 100

222 all docs 222 docs citations

times ranked

222

8506 citing authors

g-index

#	Article	IF	CITATIONS
1	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 \$\$,ext {TeV}\$\$ TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
2	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
3	Study of high-p T charged particle suppression in PbPb compared to pp collisions at \$sqrt{s_{mathrm{NN}}}=2.76~mathrm{TeV}\$. European Physical Journal C, 2012, 72, 1.	1.4	369
4	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
5	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.	1.6	320
6	Search for dark matter, extra dimensions, and unparticles in monojet events in protonâ \in proton collisions at \$\$sqrt{s} = 8\$\$ s = 8 \$\$,{mathrm{TeV}},\$\$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
7	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8ÂTeV. European Physical Journal C, 2014, 74, 3036.	1.4	241
8	Suppression of non-prompt J/ Γ , prompt J/ Γ , and \$ Upsilon \$(1S) in PbPb collisions at \$ sqrt $\{\{s_{ext}NN\}\}\}\} = 2.76$ \$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
9	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
10	Measurement of the differential cross section for top quark pair production in pp collisions at $\$$ sqrt $\{s\} = 8$,ext $\{TeV\}$ $\$$ s = 8 TeV. European Physical Journal C, 2015, 75, 542.	1.4	191
11	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at \$sqrt{s_{NN}}= 2.76 mbox{TeV}\$. European Physical Journal C, 2012, 72, 1.	1.4	181
12	Search for heavy neutrinos and \$\$mathrm {W}\$\$ W bosons with right-handed couplings in protonâ€"proton collisions at \$\$sqrt{s} = 8,ext {TeV} \$\$ s = 8 TeV. European Physical Journal C, 2014, 74, 3149.	1.4	179
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#	Article	IF	CITATIONS
19	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{l}\pm T$ and b-quark multiplicity in pp collisions at $q=8 \text{ mathrm{TeV}}$. European Physical Journal C, 2013, 73, 2568.	1.4	147
20	A search for a doubly-charged Higgs boson in pp collisions at $sqrt\{s\} = 7 \mod {TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	129
21	Measurement of differential top-quark-pair production cross sections in pp collisions at $q=0$ mathrm{TeV}\$. European Physical Journal C, 2013, 73, 1.	1.4	125
22	Evidence for the 125 GeV Higgs boson decaying to a pair of $\ddot{\text{I}}_{\text{m}}$ leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
23	Precision luminosity measurement in proton–proton collisions at \$\$sqrt{s} = 13,hbox {TeV}\$\$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
24	Searches for long-lived charged particles in pp collisions at $q=0$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
25	Search for a light charged Higgs boson in top quark decays in pp collisions at $\$$ sqrt $\$$ = 7;TeV $\$$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
26	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
27	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
28	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\{\{s_{ext}\}\}\}$ = 2.76 $\{ext}$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
29	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
30	Measurements of differential and double-differential Drellâ€"Yan cross sections in protonâ€"proton collisions at \$\$sqrt{s} = 8\$\$ s = 8 \$\$,ext {TeV}\$\$ TeV. European Physical Journal C, 2015, 75, 147.	1.4	88
31	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at \$ $ \sqrt{{s_{mathrm{NN}}}} = 2.76 $ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
32	Study of double parton scattering using W + 2-jet events in proton-proton collisions at sqrts = 7 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
33	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at s $\$$ sqrt $\{s\}$ $\$$ = 8 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
34	Study of the production of charged pions, kaons, and protons in pPb collisions at $\$\$qrt{s_{NN}} = 0.02 $ s, ext {TeV}\$\$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
35	Performance of the CMS Level-1 trigger in proton-proton collisions at $\hat{a}^* \leq i \leq l$ = 13 TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
36	Measurement of the single-top-quark t-channel cross section in pp collisions at $q=0$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83

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#	Article	IF	CITATIONS
37	J/ $\hat{\Gamma}$ and $\hat{\Gamma}$ (2S) production in pp collisions at \$ sqrt {s} = 7{ext{Tev}} \$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
38	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
39	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8 $ sqrt $\{s\} = 8 $ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
40	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $q=1.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
41	Study of exclusive two-photon production of W+Wâ^' 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
42	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\frac{s_{y}}{1.000} = 5.02$, s NN = 5.02 \$\$,ext {TeV}\$\$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75
43	Measurement of the X(3872) production cross section via decays to J/l̈́le + le ∠in pp collisions at \$ sqrt{s}=7 \$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
44	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
45	Measurement of the t-channel single-top-quark production cross section and of the $ V $ tb $ CKM $ matrix element in pp collisions at $ C $ sqrt $ C $ s	1.6	70
46	Measurement of the $\mbox{mathrm{t}}$ overline{mathrm{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
47	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at s \$\$ sqrt{s} \$\$ = 8 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
48	Search for anomalous production of multilepton events in pp collisions at \$ $q = 7$, TeV \$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
49	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
50	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
51	Measurement of the inclusive 3-jet production differential cross section in proton–proton collisions at 7 TeVÂand determination of the strong coupling constant in the TeVÂrange. European Physical Journal C, 2015, 75, 186.	1.4	68
52	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\$\$$ sqrt $\$\$$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	66
53	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. European Physical Journal C, 2014, 74, 3129.	1.4	65
54	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $q=7 \text{ mbox}$ European Physical Journal C, 2013, 73, 2283.	1.4	64

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55	Measurement of the W+WⰠcross section in pp collisions at $q=0$ 0 anomalous WWγ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
56	Measurement of prompt J/ $\ddot{\Gamma}$ pair production in pp collisions at s \$\$ sqrt{s} \$\$ = 7 Tev. Journal of High Energy Physics, 2014, 2014, 1.	1.6	61
57	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $q=7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 + 7 +$	1.4	60
58	Search for anomalous \$ toverline t \$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
59	Jet production rates in association with W and Z bosons in pp collisions at sqrt s = 7 extTeV} \$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
60	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
61	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $s_{min} = 5.02$, so NN = 5.02 \$\$, ext {TeV}\$\$ TeV. European Physical Journal C, 2015, 75, 237.	1.4	58
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73	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
74	Search for leptonic decays of $W\hat{a}\in^2$ bosons in pp collisions at \$ sqrt {s} = {7} \$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	49
75	Measurement of pseudorapidity distributions of charged particles in proton–proton collisions at \$\$sqrt{s} = 8\$\$ s = 8 ÂTeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
76	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
77	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at	1.6	47
78	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
79	Search for disappearing tracks in proton-proton collisions at $s=8$ \$\$ sqrt{s}=8 \$\$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	46
80	Search for heavy bottom-like quarks in 4.9 fb \hat{a} of pp collisions at \$ sqrt {s} = 7 \$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
81	Search for microscopic black holes in pp collisions at $ \sqrt{s}=8 $ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
82	Search for decays of stopped long-lived particles produced in protonâ \in proton collisions at \$\$sqrt{s}= 8,ext {TeV} \$\$ s = 8 TeV. European Physical Journal C, 2015, 75, 151.	1.4	44
83	Measurement of top quark–antiquark pair production in association with a W or Z boson in pp collisions at \$\$sqrt{s} = 8\$\$ s = 8 \$\$,ext {TeV}\$\$ TeV. European Physical Journal C, 2014, 74, 3060.	1.4	43
84	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
85	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,ext {TeV} \$\$ s = 8 TeV. European Physical Journal C, 2015, 75, 325.	1.4	43
86	Measurement of the top-quark mass in TeV_{s} events with dilepton final states in pp collisions at Sept_{s} . European Physical Journal C, 2012, 72, 1.	1.4	42
87	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at \$ sqrt{s}=7 \$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
88	Measurement of properties of \$\$ {mathrm{B}}_{mathrm{s}}^0 \$\$a†' $i\frac{1}{4}$ + $i\frac{1}{4}$ a^' decays and search for B0a†' $i\frac{1}{4}$ + with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	-Î ¹ ⁄4â^' 1.6	41
89	Search for same-sign top-quark pair production at sqrt sqrt and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
90	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 $\{s\} = 13$,ext $\{Te\}$ ext $\{V\}$ $\$$. European Physical Journal C, 2021, 81, 378.	1.4	40

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91	Inclusive b-jet production in pp collisions at $sqrt {s} = 7TeV$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
92	Measurement of the Z/\hat{I}^3 * + b-jet cross section in pp collisions at \$ sqrt {s} = 7 \$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
93	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
94	Measurement of the ZZ production cross section and search for anomalous couplings in 2â,, "2â,, "′ final states in pp collisions at \$ sqrt{s}=7 \$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
95	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at s \$\$ sqrt{s} \$\$ = 7 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
96	Measurement of the top-quark mass in $\mbox{mathrm{t}}\$ events with lepton+jets final states in pp collisions at $\$ sqrt{s}=7 \mbox{TeV} . Journal of High Energy Physics, 2012, 2012, 1.	1.6	38
97	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $s=8$ \$\$ sqrt{s}=8 \$\$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
98	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
99	Measurement of the top-quark mass in all-jets $\frac{t}{ar}$ t \hat{A}^- events in pp collisions at $\frac{\hat{A}^-}{ar}$ s = 7 TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35
100	Measurements of production cross sections of the Higgs boson in the four-lepton final state in protonâ \in proton collisions at \$\$sqrt{s} = 13,ext {TeV} \$\$. European Physical Journal C, 2021, 81, 488.	1.4	35
101	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
102	Search for microscopic black holes in pp collisions at $\$\$ $ sqrt $\{s\} = \{ext\{7TeV\}\} \$\$$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
103	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3% 43 b-quark jets in 7 TeV pp collisions using the variable \hat{l}_{\pm} T. Journal of High Energy Physics, 2013, 2013, 1.	1.6	34
104	Searches for supersymmetry using the M T2 variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	34
105	Measurement of the underlying event in the Drellâ \in "Yan process in protonâ \in "proton collisions at \$sqrt{s} = 7~mbox{TeV}\$. European Physical Journal C, 2012, 72, 1.	1.4	33
106	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $q=0$ sqrt $q=0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	33
107	Search for dark matter produced in association with a leptonically decaying \$\${mathrm{Z}} \$\$ boson in protonâ€"proton collisions at \$\$sqrt{s}=13,ext {Te}ext {V} \$\$. European Physical Journal C, 2021, 81, 13.	1.4	33
108	Search for top squark pair production using dilepton final states in $\{p\}$ {ext $\{p\}$ } \$\$ collision data collected at $\{p\}$ = 13,ext $\{TeV\}$ \$\$. European Physical Journal C, 2021, 81, 3.	1.4	33

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109	Search for supersymmetry in pp collisions at $\$$ sqrt $\$$ = 7 $\$$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
110	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
111	Jet and underlying event properties as a function of charged-particle multiplicity in proton–proton collisions at \$sqrt {s}= 7 ext{TeV}\$. European Physical Journal C, 2013, 73, 2674.	1.4	32
112	Measurements of the \frac{Z} \$\$ Z \$\$mathrm{Z}\$\$ Z production cross sections in the \$\$2mathrm{I} 2u \$\$ 2 l 2 ν channel in proton–proton collisions at \$\$sqrt{s} = 7\$\$ s = 7 and \$\$8~. European Physical Journal C, 2015, 75, 511.	1.4	32
113	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\$ sqrt $\{s\}$ $\$ = 7 TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
114	Measurement of electroweak production of two jets in association with a Z boson in protonal \in "proton collisions at $s=0$ European Physical Journal C, 2015, 75, 66.	1.4	31
115	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
116	Search for a Higgs boson in the decay channel H \hat{a} †' $ZZ(*)$ \hat{a} †' q \$ overline {ext{q}} \$ \hat{a} ," \hat{a} " \hat{a} " + in pp collisions at \$ sqrt {s} = 7 \$TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
117	Measurement of the W-boson helicity in top-quark decays from $\mbox{mathrm{t}}\$ mathrm{t}} \$ production in lepton+jets events in pp collisions at $\mbox{quark}\$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
118	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
119	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s=8$ \$\$ sqrt{s}=8 \$\$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
120	Search for supersymmetry in final states with two oppositely charged same-flavor leptons and missing transverse momentum in proton-proton collisions at $\$$ sqrt $\{s\}$ $\$$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	28
121	Study of Z production in PbPb and pp collisions at s N N = $2.76 \$\$ $ sqrt $\{s_{mathrm{NN}}\}=2.76 \$\$ $ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
122	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at \hat{a} * $\langle i \rangle s < i \rangle = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
123	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\$$ sqrt{mathrm{s}} $\$$ = 13 TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
124	Search for resonant \mbox{mathrm}_{t} overline{mathrm{t}} $\mbox{production in lepton+jets events in pp collisions at \mbox{qrt}_{s}=7 \mbox{TeV}. Journal of High Energy Physics, 2012, 2012, 1.$	1.6	26
125	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 mathrm{TeV}\$. European Physical Journal C, 2012, 72, 1.	1.4	26

Search for the standard model Higgs boson in the Hâ \in %â†'â \in %ZZâ \in %â†'â \in %2â,"'2ν channel in pp collisions at \$ sqrt {ext{s}} = {7};{ext{TeV}} \$. Journal of High Energy Physics, 2012, 2012, 1.

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127	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\$ sqrt $\{s\} = 7; TeV \$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
128	Search for $W\hat{a}\in 2$ \hat{a} \hat{a} to decays in the lepton + jets final state in pp collisions at q sqrt q	1.6	26
129	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s=8$ \$\$ sqrt{s}=8 \$\$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	26
130	Measurement of energy flow at large pseudorapidities in pp collisions at sqrt s = 0.9 3 and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	25
131	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\$$ sqrt $\{s\}$ $\$$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
132	Measurement of the $mathrm{t}ar{mathrm{t}}$ production cross section in the $\ddot{l}_{,+}$ jets channel in pp collisions at $q=1$ mbox $q=1$	1.4	24
133	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at s $$$ sqrt{s} $$$ = 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
134	Search for third-generation scalar leptoquarks in the $t\ddot{i}$, channel in proton-proton collisions at $s=8$ \$\$ sqrt{s}=8 \$\$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
135	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
136	Measurements of $f^{p} {\mathbf{p}} {\mathbf{p}}$	1.4	24
137	Measurement of WZ and ZZ production in pp collisions at $\$$ sqrt $\{s\}$ = 8,ext $\{TeV\}$ $\$$ s = 8 TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23
138	Search for a light pseudoscalar Higgs boson in the boosted $\hat{l}/4\hat{l}/4\ddot{l}$,,, final state in proton-proton collisions at \$\$ sqrt{s} \$\$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	23
139	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 $\frac{s}{13},\text{ext }TeV} \$. European Physical Journal C, 2020, 80, 752.	1.4	23
140	Search for physics beyond the standard model in events with \ddot{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\frac{s}{r}$ mathrm{TeV}\$. European Physical Journal C, 2013, 73, 2493.	1.4	22
141	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
142	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
143	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $q=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
144	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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145	Measurements of the $\mbox{mathrm{t}}\$ scharge asymmetry using the dilepton decay channel in pp collisions at $\mbox{qrt{s}} = 7 \text{TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
146	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $s=8$ \$\$ sqrt{s}=8 \$\$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
147	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
148	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into l , leptons in pp collisions at $s=8$ \$\$ sqrt $s=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
149	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,{ext {TeV}} \$\$. European Physical Journal C, 2021, 81, 723.	1.4	19
150	Search for quark compositeness in dijet angular distributions from pp collisions at sqrt	1.6	18
151	MUSiC: a model-unspecific search for new physics in proton–proton collisions at \$\$sqrt{s} = 13,ext {TeV} \$\$. European Physical Journal C, 2021, 81, 629.	1.4	18
152	Combined searches for the production of supersymmetric top quark partners in proton–proton collisions at \$\$sqrt{s} = 13,ext {Te}ext {V} \$\$. European Physical Journal C, 2021, 81, 970.	1.4	18
153	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton–proton collisions at \$\$sqrt{s}=13,ext {TeV} \$\$. European Physical Journal C, 2022, 82, 290.	1.4	18
154	Search for stopped long-lived particles produced in pp collisions at sqrt s = ext7TeV} 5. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
155	Measurement of the \$ Lambda_{mathrm{b}}^0 \$ lifetime in pp collisions at \$ $qrt{s}=7$ \$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
156	Search for standard model production of four top quarks in the lepton $+$ jets channel in pp collisions at $s=8$ \$\$ sqrt{ s }=8 \$\$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
157	Probing color coherence effects in pp collisions at \$\$sqrt{s}=7,ext {TeV} \$\$ s = 7 TeV. European Physical Journal C, 2014, 74, 2901. Measurement of the ratio of the production cross sections times branching fractions of B c ±  â†' J Ĩ`Ĩ€	1.4 Â+	17
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