

Giulia D'imperio

List of Publications by Year in descending order

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Version: 2024-02-01

245
papers

13,158
citations

22153

59
h-index

29157

104
g-index

250
all docs

250
docs citations

250
times ranked

8947
citing authors

#	ARTICLE	IF	CITATIONS
19	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 404-510.	4.7	90
20	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 116, 071801.	7.8	114
21	Correlated charge noise and relaxation errors in superconducting qubits. Nature, 2021, 594, 369-373.	27.8	109
22	Measurement of the top quark mass using proton-proton data at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93, .	4.7	90
23	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	1.2	93
24	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
25	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	4.7	90
26	Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 520-542.	4.1	90
27	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
28	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	4.1	87
29	Angular analysis of the decay $B_0 \rightarrow K^* \mu^+ \mu^-$ from pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	4.1	87
30	Coherent J/ψ photoproduction in ultra-peripheral PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the CMS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 489-511.	4.1	87
31	Reconstruction and identification of \tilde{l}, \tilde{l}^* lepton decays to hadrons and $\tilde{l} \rightarrow \tilde{l} + \gamma$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
32	Measurement of the differential cross section and charge asymmetry for inclusive $W \rightarrow \mu \nu$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
33	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	4.7	82
34	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
35	Search for a charged Higgs boson in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
36	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	7.8	80

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37	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
38	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 200-224.	4.1	77
39	Measurement of the $\sigma(\text{W}^+\text{W}^-)$ 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
40	Search for Narrow Resonances in Dijet Final States at $\sqrt{s} = 8$ TeV and the Novel CMS Technique of Data Scouting. Physical Review Letters, 2016, 117, 031802.	3.9	73
41	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	3.9	73
42	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, .	4.7	73
43	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 8$ and 13 TeV. Physical Review Letters, 2016, 117, 051802.	3.9	73
44	The SABRE project and the SABRE Proof-of-Principle. European Physical Journal C, 2019, 79, 1.	3.9	73
45	Search for vectorlike charge $\frac{2}{3}$ χ_{c0} in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2016, 117, 051802.	3.9	73

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55	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 13.	3.9	62
56	Search for pair production of third-generation scalar leptiquarks and top squarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 229-249.	4.7	61
57	Measurement of inclusive jet cross sections in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	4.1	59
58	Measurement of inclusive jet cross sections in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2017, 96, 024907.	2.9	59
59	Search for pair production of new light bosons decaying into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 146-168.	4.1	59
60	Measurement of inclusive jet cross sections in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2017, 96, 024907.	2.9	59
61	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
62	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s}=8$ TeV and decaying to $\mu^+\mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 154-175.	4.1	57
63	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	4.7	55
64	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
65	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s}=13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	4.1	56
66	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54
67	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
68	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
69	Searches for a heavy scalar boson H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh, in the final states with h \rightarrow $\tau^+\tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	4.1	53
70	Searches for heavy Higgs bosons in two-Higgs-doublet models and their decay using multilepton and diphoton final states in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2014, 90, .	4.7	51
71	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
72	Measurement of Prompt Yield Ratios in Pb-Pb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2015, 92, 024907.	7.8	47

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73	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, . Measurement of diffractive dissociation cross sections in	4.7	47
74	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 94, . Measurement of diffractive dissociation cross sections in	4.7	46
75	Search for supersymmetry using razor variables in events with	4.7	46
76	Search for displaced supersymmetry in events with tagged jets in	4.7	46
77	Search for disappearing tracks in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	46
78	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	4.1	45
79	Search for neutral resonances decaying into a Z boson and a pair of b jets or τ , leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	4.1	45
80	Search for a light charged Higgs boson decaying to $c \bar{s}$ in pp collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	4.7	44
81	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	7.8	44
82	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
83	Search for lepton flavour violating decays of the Higgs boson to $e\bar{\nu}_\mu$, and $e\bar{\nu}_\tau$ in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	4.1	44
84	Study of Z boson production in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 36-57.	4.1	44
85	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
86	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
87	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. Physical Review D, 2015, 92, .	4.7	43
88	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 325.	3.9	43
89	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 93, .	4.7	43
90	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 102-124.	4.1	43

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91	Study of W boson production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Physical Letters, Section B: Nuclear, Elementary Particle and High Energy Physics</i> , 2015, 750, 565-586.		42
92	Evidence for exclusive $\hat{3}^3 \hat{1}' W + W \hat{a}^{\sim}$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	42
93	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Physical Review D</i> , 2016, 93.	4.7	41
94	Measurement of the $t \bar{t} \hat{A}^{\sim}$ production cross section in the $e \hat{1}/4$ channel in proton-proton collisions at $s = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	41
95	Measurement of the $t \bar{t} \hat{A}^{\sim}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2016, 76, 128.	3.9	41
96	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $s = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	37
97	Combined search for anomalous pseudoscalar HVV couplings in $pp \rightarrow VH$ production at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.		

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109	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV decaying to a Z and a Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 255-277.	4.1	33
110	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	3.9	33
111	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 152-180.	4.1	33
112	Measurements of the $Z Z$ production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. European Physical Journal C, 2015, 75, 511.	3.9	32
113	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 66.	3.9	31
114	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
115	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
116	Measurements of spin correlations and top quark polarization using dilepton final states in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 76, 237.	4.7	30
117	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
118	Measurement of the CP-violating weak phase ϕ_s and the decay width difference Γ_s using the $B_s \rightarrow \mu^+ \mu^-$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 76, 237.	4.1	30
119	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.	4.1	30
120	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	3.9	30
121	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 372.	3.9	29
122	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	29
123	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
124	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 93.	4.7	27
125	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 59-80.	4.1	27
126	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26

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127	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
128	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
129	Monte Carlo simulation of the SABRE PoP background. Astroparticle Physics, 2019, 106, 1-9.	4.3	26
130	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets final states produced in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	4.1	25
131	Search for a low-mass pseudoscalar Higgs boson produced in association with a lepton pair in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 325.	3.9	25
132	Search for forward-backward asymmetry of dilepton pairs in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	4.1	25
133	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	4.1	25
134	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
135	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
136	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
137	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	4.1	24
138	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2016, 94, .	4.7	24
139	Measurement of the charge asymmetry in top quark pair production in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2016, 93, .	4.7	24
140	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review D, 2016, 93, .	4.7	24
141	Search for dark matter and supersymmetry with a compressed mass spectrum in the vector boson fusion topology in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2017, 118, 021802.	4.1	24
142	Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	7.8	24
143	Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	4.1	24
144	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	23

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145	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
146	Measurement of the ZZ production cross section and Z \rightarrow $\nu\bar{\nu}$, $\nu\bar{\nu}$, $\nu\bar{\nu}$, $\nu\bar{\nu}$ branching fraction in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 280-303.	4.1	22
147	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 5-28.	4.1	21
148	Measurement of the $\sigma(\text{pp} \rightarrow \text{Z} \nu\bar{\nu})$ production cross section in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.1	20
149	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
150	Study of $\text{B} \rightarrow \text{K} \nu\bar{\nu}$ Meson Production in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	7.8	20
151	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
152	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
153	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tau\tau$, leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
154	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.	4.1	18
155	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
156	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
157	Search for $W \rightarrow \tau \nu$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	4.1	18
158	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s}=8$ TeV using the $\hat{t}\bar{t}$ variable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 403-430.	4.1	18
159	Performance of optically readout GEM-based TPC with a ^{55}Fe source. Journal of Instrumentation, 2019, 14, P07011-P07011.	1.2	18
160	The CYGNO Experiment. Instruments, 2022, 6, 6.	1.8	18
161	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.	4.7	17
162	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow \tau \nu$ and $B \rightarrow \mu \nu$ using the $\hat{t}\bar{t}$ variable. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17

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163	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.	4.7	17
164	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	5.02	17
165	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
166	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 137-162.	4.1	17
167	Measurement of electroweak-induced production of $W^{\pm 3}$ with two jets in pp collisions at $s = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
168	CYGNO: a gaseous TPC with optical readout for dark matter directional search. Journal of Instrumentation, 2020, 15, C07036-C07036.	1.2	17
169	Measurement of the production cross section ratio $\sigma(\text{t}\bar{\text{t}})/\sigma(\text{t}\bar{\text{t}})$ in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	16
170	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
171	Measurement of the production cross section of $W^{\pm 3}$ in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16
172	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16
173	Search for excited leptons in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
174	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 $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
175	Measurement of the production cross section of a $W^{\pm 3}$ boson in association with two b jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
176	Measurement of the cross section ratio $\sigma(\text{t}\bar{\text{t}})/\sigma(\text{t}\bar{\text{t}})$ in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	4.1	15
177	Search for a Higgs boson decaying into $\tau^+\tau^-$ with low dilepton mass in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	4.1	15
178	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
179	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
180	A density-based clustering algorithm for the CYGNO data analysis. Journal of Instrumentation, 2020, 15, T12003-T12003.	1.2	15

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181	Search for s channel single top quark production in pp collisions at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
182	Search for supersymmetry in pp collisions at $s = 13 \sqrt{s}=13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
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