

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
1	The CYGNO Experiment. <i>Instruments</i> , 2022, 6, 6.	1.8	18
2	The SABRE experiment. <i>International Journal of Modern Physics A</i> , 2022, 37, .	1.5	1
3	Characterization of SABRE crystal NaI-33 with direct underground counting. <i>European Physical Journal C</i> , 2021, 81, 1.	3.9	14
4	Reducing the impact of radioactivity on quantum circuits in a deep-underground facility. <i>Nature Communications</i> , 2021, 12, 2733.	12.8	65
5	Performance of an optically read out time projection chamber with ultra-relativistic electrons. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 999, 165209.	1.6	6
6	Correlated charge noise and relaxation errors in superconducting qubits. <i>Nature</i> , 2021, 594, 369-373.	27.8	109
7	Directional Dark Matter Searches with CYGNO. <i>Particles</i> , 2021, 4, 343-353.	1.7	3
8	High sensitivity characterization of an ultrahigh purity NaI(Tl) crystal scintillator with the SABRE proof-of-principle detector. <i>Physical Review D</i> , 2021, 104, .	4.7	12
9	Identification of low energy nuclear recoils in a gas time projection chamber with optical readout. <i>Measurement Science and Technology</i> , 2021, 32, 025902.	2.6	13
10	First evidence of luminescence in a He/CF ₄ gas mixture induced by non-ionizing electrons. <i>Journal of Instrumentation</i> , 2020, 15, P08018-P08018.	1.2	7
11	Underground Radiobiology: A Perspective at Gran Sasso National Laboratory. <i>Frontiers in Public Health</i> , 2020, 8, 611146.	2.7	8
12	CYGNO: a gaseous TPC with optical readout for dark matter directional search. <i>Journal of Instrumentation</i> , 2020, 15, C07036-C07036.	1.2	17
13	Stability and detection performance of a GEM-based Optical Readout TPC with He/CF ₄ gas mixtures. <i>Journal of Instrumentation</i> , 2020, 15, P10001-P10001.	1.2	12
14	A density-based clustering algorithm for the CYGNO data analysis. <i>Journal of Instrumentation</i> , 2020, 15, T12003-T12003.	1.2	15
15	Performance of optically readout GEM-based TPC with a ⁵⁵ Fe source. <i>Journal of Instrumentation</i> , 2019, 14, P07011-P07011.	1.2	18
16	The SABRE project and the SABRE Proof-of-Principle. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	73
17	Tests of Eco-Friendly Gas Mixtures in GEM Based Detectors with Optical Readout. , 2019, , .		0
18	Monte Carlo simulation of the SABRE PoP background. <i>Astroparticle Physics</i> , 2019, 106, 1-9.	4.3	26

#	ARTICLE	IF	CITATIONS
19	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
20	Search for Dark Matter and Supersymmetry with a Compressed Mass Spectrum in the Vector Boson Fusion Topology in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	7.8	24
21	Observation of the decay $Z \rightarrow \mu^+ \mu^-$ in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 66-86.	4.7	8
22	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	4.7	8
23	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 766, 268-290.	4.1	25
24	Search for R -parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	4.7	12
25	Measurements of the $t\bar{t}\gamma$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
26	Inclusive search for supersymmetry using razor variables in pp collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	4.7	9
27	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
28	Search for electroweak production of charginos in final states with two \tilde{l} , leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
29	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
30	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
31	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.	1.2	216
32	Measurement of the cross section for electroweak production of $Z\gamma$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	34
33	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	1.2	307
34	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	4.1	35
35	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s}=13$ TeV using the $\hat{t}\bar{t}$ variable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	4.1	35
36	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, 2017, 768, 57-80.	4.1	35

#	ARTICLE	IF	CITATIONS
37	Search for dijet resonances in protonâ€‘proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769.	4.1	90
38	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
39	Evidence for collectivity in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	4.1	243
40	Pseudorapidity dependence of long-range two-particle correlations in collisions at $\sqrt{s} = 2.76$ and 5.02 TeV. Physical Review C, 2017, 96, .	2.9	6
41	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.	2.9	59
42	Search for supersymmetry in events with photons and missing transverse energy in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 391-412.	4.1	5
43	Coherent J/Î‘ 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	7
44	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
45	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
46	Search for leptophobic Zâ€‘ bosons decaying into four-lepton final states in protonâ€‘proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 563-584.	4.7	11
47	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2017, 95, .	4.7	12
48	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
49	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	4.1	24
50	Measurement of electroweak-induced production of WÎ‘ with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
51	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
52	Search for high-mass ZÎ‘ resonances in e+eâ€‘Î‘ and Î‘ + Î‘ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
53	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
54	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using H â€‘ WW decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11

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55	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
56	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
57	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
58	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
59	Beam test evaluation of electromagnetic calorimeter modules made from proton-damaged PbWO ₄ crystals. Journal of Instrumentation, 2016, 11, P04012-P04012.	1.2	8
60	Reconstruction and identification of \tilde{l}, \tilde{l}^* decays to hadrons and $\tilde{l}^* \rightarrow \tilde{l} + \gamma$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	1.2	85
61	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2016, 11, P01019-P01019.	4.7	73
62	Measurement of the W boson helicity fractions in the decays of top quark pairs to lepton + jets final states produced in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	4.1	25
63	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
64	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
65	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, .	4.7	47
66	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
67	Studies of inclusive four-jet production with two b -tagged jets in proton-proton collisions at 7 TeV. Physical Review D, 2016, 94, .	4.7	5
68	Measurement of the ZZ production cross section and Z $\rightarrow \mu\mu$ 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
69	Search for parity-violating supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
70	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high-pT top quarks in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, .	4.7	24
71	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	4.1	6
72	Angular analysis of the decay $B \rightarrow K^* \mu^+ \mu^-$ 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

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73	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
74	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
75	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
76	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
77	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	4.1	6
78	τ (nS) polarizations versus particle multiplicity in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	4.1	6
79	Search for lepton flavour violating decays of the Higgs boson to $e\tau$, and $e\tau$ 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
80	Measurement of the inelastic cross section in proton-lead collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	5.02	17
81	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	4.1	6
82	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
83	Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 117, 031802.	7.8	74
84	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 325.	3.9	25
85	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2016, 76, 439.	3.9	64
86	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2016, 117, 051802.	7.8	73
87	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s}=7$ and 8 TeV. Physical Review D, 2016, 94.	4.7	4
88	Search for vectorlike charge- $\frac{2}{3}$ top quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2016, 117, 051802.		

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91	Measurement of the top quark mass using charged particles in $\sqrt{s} > p + p \rightarrow p + p + \dots$ collisions at Search for supersymmetry in $\sqrt{s} > p + p \rightarrow p + p + \dots$ collisions at 	4.7	13
92	Search for supersymmetry in $\sqrt{s} > p + p \rightarrow p + p + \dots$ collisions at 	4.7	11
93	Search for pair-produced vectorlike B quarks in proton-proton collisions at 	4.7	41
94	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in $p + p \rightarrow p + p + \dots$ Collisions at 	7.8	139
95	Search for pair production of first and second generation leptoquarks in proton-proton collisions $\sqrt{s} > p + p \rightarrow p + p + \dots$ production in proton-proton collisions at 	4.7	61
96	Search for pair production of first and second generation leptoquarks in proton-proton collisions $\sqrt{s} > p + p \rightarrow p + p + \dots$ Physical Review D, 2016, 93, 	4.7	43
97	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at 	4.7	24
98	Measurement of the top quark mass using proton-proton data at $\sqrt{s} > p + p \rightarrow p + p + \dots$ Meson Production in Collisions at 	7.8	20
99	Study of B Meson Production in Collisions at 	7.8	34
100	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at s=8TeV. Physics Letters, Section B: Nuclear, Elementary Particle and Combined search for anomalous pseudoscalar HVV couplings in VH 	4.1	6
101			
102	CMS Collaboration. Nuclear Physics A, 2016, 956, 945-963.	1.5	1
103			
104			

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109	Search for s channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
110	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
111	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
112	Measurement of the $t\bar{t}$ production cross section in the $e\bar{\nu}_e$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	41
113	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	17
114	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
115	Evidence for exclusive $\hat{t}\bar{t} W + W \hat{t}\bar{t}$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	42
116	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	4.7	14
117	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
118	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
119	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	12
120	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	6
121	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	3.9	26
122	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 379.	3.9	34
123	Measurement of the differential cross section and charge asymmetry for inclusive $p\bar{p} \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
124	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
125	Search for $W \rightarrow tb$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	3
126	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

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127	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
128	Search for excited leptons in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
129			

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145	and differential measurements of the $\sigma(\text{pp} \rightarrow \text{Z} \gamma \text{jj})$ charge asymmetry in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 1.	4.1	30
146	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 1.	4.7	16
147	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
148	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \text{Z} \nu \nu$ jets and $e^+e^- \rightarrow \text{Z} \nu \nu$ jets events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
149	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
150	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
151	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
152	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
153	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	4.1	13
154	Test beam results with a sampling calorimeter of cerium fluoride scintillating crystals and tungsten absorber plates for calorimetry at the HL-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 681-683.	1.6	1
155	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
156	Angular coefficients of Z bosons produced in pp collisions at $\sqrt{s} = 8$ TeV and decaying to $\tau^+\tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 154-175.	4.1	57
157	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
158	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions. Physical Review C, 2015, 92, .	2.9	140
159	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $\tau^+\tau^-$. Physical Review D, 2015, 92, .	4.7	43
160	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	7
161	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2015, 91, .	4.7	5
162	Measurement of diffractive dissociation cross sections in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	46

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163	Constraints on the spin-parity and anomalous couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	4.7	185
164	Search for supersymmetry with photons in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	4.7	7
165	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	4.7	55
166	Evidence for Collective Multiparticle Correlations in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2015, 115, 012301.	7.8	177
167	Performance of electron reconstruction and selection with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P06005-P06005.	1.2	410
168	Performance of photon reconstruction and identification with the CMS detector in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P08010-P08010.	1.2	168
169	Beam test results for a tungsten-cerium fluoride sampling calorimeter with wavelength-shifting fiber readout. Journal of Instrumentation, 2015, 10, P07002-P07002.	1.2	6
170	High-energy electron test results of a calorimeter prototype based on CeF3 for HL-LHC applications. , 2015, . ,		1
171	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
172	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	4.1	54
173	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	24
174	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
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