

Aniello Spiezia

List of Publications by Year in descending order

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Version: 2024-02-01

330
papers

10,525
citations

44444

50
h-index

66518

82
g-index

344
all docs

344
docs citations

344
times ranked

8402
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence for $X(3872)$ in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , 2022, 128, 032001.	2.9	23
2	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	1
3	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. <i>Physical Review Letters</i> , 2022, 128, 122301.	2.9	11
4	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. <i>European Physical Journal C</i> , 2022, 82, 213.	1.4	3
5	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. <i>European Physical Journal C</i> , 2022, 82, 290.	1.4	18
6	Search for the lepton flavor violating decay $\tilde{l}_i \rightarrow \tilde{l}_j \gamma$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	3
7	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. <i>European Physical Journal C</i> , 2021, 81, 13.	1.4	33
8	Evidence for Higgs boson decay to a pair of muons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	54
9	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. <i>European Physical Journal C</i> , 2021, 81, 3.	1.4	33
10	Search for dark photons in Higgs boson production via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	14
11	Measurements of $pp \rightarrow Z Z$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. <i>European Physical Journal C</i> , 2021, 81, 200.	1.4	24
12	Measurement of the inclusive and differential Higgs boson production cross sections in the leptonic WW decay mode at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	15
13	Search for nonresonant Higgs boson pair production in final states with two bottom quarks and two photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	26
14	Search for new physics in top quark production with additional leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV using effective field theory. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	12
15	Measurement of differential cross sections for Z bosons produced in association with charm jets in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	5
16	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. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	28
17	Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021, 81, 312.	1.4	12
18	Angular analysis of the decay $B^+ \rightarrow K^+ \pi^+ \pi^-$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	9

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19	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 378.	1.4	40
20	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014.	0.5	62
21	Measurement of b jet shapes in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	4
22	First measurement of large area jet transverse momentum spectra in heavy-ion collisions. Journal of High Energy Physics, 2021, 2021, 1.	1.6	11
23	Study of Drell-Yan dimuon production in proton-lead collisions at $\sqrt{s_{\text{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	3
24	Measurements of the differential cross sections of the production of Z + jets and $\tilde{\tau} + jets$ and of Z boson emission collinear with a jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
25	In-medium modification of dijets in PbPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	5
26	Measurement of the Z boson differential production cross section using its invisible decay mode (Z \rightarrow $\nu\bar{\nu}$). Physical Review Letters, 2021, 2021, 1.	1.6	2
27	Measurement of the $W\tilde{\tau}^3$ Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002.	2.9	13
28	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	1.4	35
29	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_c^+ \bar{c} b$. Physical Review Letters, 2021, 126, 252003.	2.9	22
30	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	62
31	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	1.4	18
32	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z-Boson Yields and Azimuthal Anisotropy at $\sqrt{s_{\text{NN}}} = 2.76$ and 5.02 TeV. Physical Review Letters, 2021, 127, 102002.	2.9	5
33	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	1.4	9
34	Measurements of angular distance and momentum ratio distributions in three-jet and Z + two-jet final states in pp collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
35	Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Physical Review Letters, 2021, 127, 122001.	2.9	16
36	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123

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37	Measurement of prompt open-charm production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	2
38	Search for a heavy resonance decaying to a top quark and a W boson at $\sqrt{s} = 13$ TeV in the fully hadronic final state. Journal of High Energy Physics, 2021, 2021, 1.	1.6	1
39	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 125, 151802.	2.9	20
40	The production of isolated photons in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
41	Investigation into the event-activity dependence of $\tilde{\Gamma}(nS)$ relative production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	12
42	Bose-Einstein correlations of charged hadrons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	11
43	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
44	Search for electroweak production of a vector-like T quark using fully hadronic final states. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
45	Search for a heavy pseudoscalar Higgs boson decaying into a 125 GeV Higgs boson and a Z boson in final states with two tau and two light leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
46	Measurement of properties of $B_{\mathrm{s}}^0 \rightarrow \tau^+ \tau^-$ decays and search for $B_{\mathrm{s}}^0 \rightarrow \tau^+ \tau^-$ with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
47	Search for a light pseudoscalar Higgs boson in the boosted $t\bar{t}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	23
48	Production and the CP Structure of the Yukawa Interactions of the Higgs Boson. Physical Review Letters, 2020, 125, 151802.	2.9	38
49	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
50	Measurement of quark- and gluon-like jet fractions using jet charge in PbPb and pp collisions at 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	10
51	Measurement of the cross section for $t\bar{t}$ production with additional jets and b jets in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	5
52	Search for charged Higgs bosons decaying into a top and a bottom quark in the all-jet final state of pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	41
53	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	37
54	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3

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55	Measurement of the Jet Mass Distribution and Top Quark Mass in Hadronic Decays of Boosted Top Quarks in pp Collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752.	2.9	13
56	Observation of the $B \rightarrow X \tau \nu$ Decay in pp Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	2.9	14
57	Study of central exclusive production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
58	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 752.	1.4	23
59	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.	2.9	9
60	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
61	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
62	Search for decays of the 125 GeV Higgs boson into a Z boson and a τ meson. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6
63	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7
64	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
65	Search for high mass dijet resonances with a new background prediction method in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	66
66	Search for supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in events with high-momentum Z bosons and missing transverse momentum. Journal of High Energy Physics, 2020, 2020, 1.	1.6	4
67	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
68	Search for an excited lepton that decays via a contact interaction to a lepton and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
69	Search for new neutral Higgs bosons through the $H \rightarrow b\bar{b}$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
70	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. European Physical Journal C, 2020, 80, 534.	1.4	14
71	Measurement of the cross section for electroweak production of a Z boson, a photon and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on anomalous quartic couplings. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
72	Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive $W\hat{A}\pm$ and Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	6

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73	Measurement of the top quark forward-backward production asymmetry and the anomalous chromoelectric and chromomagnetic moments in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
74	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft τ and a Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803.	1.6	1
75	$\tau \rightarrow \mu \nu_\tau$ versus $\tau \rightarrow \mu \nu_\tau$ Polarizations in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803.	2.9	6
76	Evidence for W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
77	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
78	Constraints on the $\tau \rightarrow \mu \nu_\tau$ versus $\tau \rightarrow \mu \nu_\tau$ Polarizations in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 041803.	2.9	6
79	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tau \nu_\tau$, and $e \nu_e$, in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
80	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
81	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 131802.	2.9	6
82	Search for a heavy Higgs boson decaying to a pair of W bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
83	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
84	Measurement of the top quark pair production cross section in dilepton final states containing one τ , lepton in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
85	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	26
86	Dependence of inclusive jet production on the anti-kT distance parameter in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	8
87	Inclusive search for highly boosted Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	13
88	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$, $\sqrt{s} = 13$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
89	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 370.	1.4	22
90	Measurement of t -channel single top quark normalised multi-differential cross sections in pp collisions at $\sqrt{s} = 13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33

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91	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two \tilde{l} , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	33
92	Search for a $W\tilde{e}^2$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
93	Search for top quark partners with charge 5/3 in the same-sign dilepton and single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
94	Inclusive search for supersymmetry in pp collisions at $\sqrt{s}=13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
95	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
96	Search for excited leptons in $\tilde{a}, \tilde{a}, \tilde{f}^3$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
97	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
98	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13, \sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
99	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
100	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
101	Search for a light Higgs boson decaying to a W Boson and a C -Odd Higgs Boson in Final Studies of Beauty Suppression via Nonprompt P . Journal of High Energy Physics, 2019, 2019, 1.	2.9	21
102	Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2019, 123, 022001.	2.9	17
103	Search for charged Higgs bosons in the $H\tilde{A}^\pm \tilde{l}, \tilde{A}^\pm \tilde{l}^2$ decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
104	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
105	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 011803.	2.9	12
106	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 021801.	2.9	37
107	Search for a low-mass $\tilde{l}, \tilde{a}^{\sim}$ resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
108	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV via Higgs boson decays to \tilde{l} , leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7

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109	Search for the pair production of light top squarks in the e^+e^- final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
110	Measurements of the $pp \rightarrow WZ$ inclusive and differential production cross sections and constraints on charged anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
111	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	12
112	Search for nonresonant Higgs boson pair production in the $b\bar{b}$ final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
113	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
114	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 121803.	2.9	102
115	Search for $pp \rightarrow WZ$ collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 151802.	2.9	24
116	Search for $W \rightarrow 3\pi$ Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.	2.9	4
117	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
118	Measurements of $\overline{\sigma}(\mathbb{H})$ differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
119	Search for $\overline{\sigma}(\mathbb{H})\overline{\sigma}(\mathbb{H})$ production in the $\mathbb{H} \rightarrow b\bar{b}$ decay channel with leptonic $\overline{\sigma}(\mathbb{H})$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
120	Search for Narrow H^{\pm} Resonances in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	3
121	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
122	Measurement of inclusive and differential Higgs boson production cross sections in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
123	Search for resonant $\overline{\sigma}(\mathbb{H})$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
124	Observation of Single Top Quark Production in Association with a Z Boson in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 132003.	2.9	30
125	Search for $pp \rightarrow B\bar{B}$ States and Measurement of the $B\bar{B}$ cross section in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 132003.	2.9	62
126	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14

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127	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
128	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	40
129	Search for resonances decaying to a pair of Higgs bosons in the $b\bar{b}q\bar{q}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
130	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
131	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
132	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
133	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.	2.9	1
134	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 123, 231803.	2.9	23
135	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
136	Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
137	Measurements of differential Z boson production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
138	Search for anomalous triple gauge couplings in WW and WZ production in lepton + jet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
139	Study of the $B^0 \rightarrow \mu^+ \mu^- \overline{\Lambda}^0$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
140	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. Physical Review Letters, 2018, 120, 071802.	2.9	40
141	Observation of Electroweak Production of Same-Sign WW Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 092301.	2.9	86
142	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 142302.	2.9	39
143	Search for W boson production in association with a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 142302.	2.9	70
144	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}}=5.02$ and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8

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145	Suppression of Excited $\overline{\chi}^0$ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s}=13$ TeV. <i>Physical Review Letters</i> , 2018, 120, 142301.	2.9	38
146	Search for resonant and nonresonant Higgs boson pair production in the $b\overline{b}\ell\ell$ final state in proton-proton collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	36
147	Measurement of the inclusive $\overline{\chi}^0$ cross section in pp collisions at $\sqrt{s}=5.02$ TeV using final states with at least one charged lepton. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	5
148	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	0
149	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	5
150	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $s = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	6
151	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	57
152	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.	1.6	63
153	Measurement of differential cross sections in the kinematic angular variable $\overline{\chi}^0$ for inclusive Z boson production in pp collisions at $\sqrt{s}=8$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	4
154	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s}=5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	12
155	Measurement of normalized differential $\overline{\chi}^0$ cross sections in the dilepton channel from pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	18
156	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $s = 8$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
157	Search for ZZ resonances in the 2ℓ final state in proton-proton collisions at 13 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	4
158	Search for $\overline{\chi}^0\chi^0$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
159	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	9
160	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s}=5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	12
161	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	11
162	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	19

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163	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43
164	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
165	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two \tilde{l} , leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
166	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	26
167	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
168	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\mathrm{NN}}}=5.44$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
169	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
170	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
171	Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
172	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 241802.	2.9	50
173	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
174	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s}=13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	1.6	82
175	Search for $Z\tilde{l}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
176	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
177	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
178	Search for supersymmetry in events with a \tilde{l} , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
179	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Using Isolated Photon-Tagged Jets. Physical Review Letters, 2018, 121, 242301.	2.9	32
180	Search for the decay of a Higgs boson in the $\tilde{a}, \tilde{a}, \tilde{a}^3$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17

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181	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 221802.	2.9	14
182	Observation of the $Z\tau^+\tau^-$, $Z\mu^+\mu^-$ Decay in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 1418015	2.9	14
183	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2q$ final states at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
184	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\tau/4$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
185	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	9
186	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
187	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
188	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
189	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
190	Search for dark matter produced in association with a Higgs boson decaying to $\tau\tau$ or τ, μ, e at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
191	Search for additional neutral MSSM Higgs bosons in the τ, μ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
192	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 141802.	2.9	4
193	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
194	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
195	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{q}q$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
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197	Search for beyond the standard model Higgs bosons decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
198	Observation of the $\chi_{b1}(3P)$ and $\chi_{b2}(3P)$ and Measurement of their Masses. Physical Review Letters, 2018, 121, 092002.	2.9	19

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200	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying l_i , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
201	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219
202	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	17
203	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
204	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.	1.6	20
205	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
206	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
207	Search for a singly produced third-generation scalar leptoquark decaying to a l_i , lepton and a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
208	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
209	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
210	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
211	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
212	Search for Narrow Resonances in the $b\bar{b}$ -Tagged Dijet Mass Spectrum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 201801.	2.9	36
213	Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physical Review Letters, 2018, 120, 202301.	2.9	70
214	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
215	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
216	Search for a new scalar resonance decaying to a pair of Z bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	37

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218	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity Proton-Proton Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 062002.	2.9	48
219	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 062002.	2.9	22
220	Observation of Λ_c^+ Production. Physical Review Letters, 2018, 120, 231801.	2.9	209
221	Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 241801.	2.9	19
222	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 120, 221801.	2.9	160
223	Measurements of the $(\text{pp} \rightarrow \text{Z} \rightarrow \text{ee})$ production cross section and the $(\text{pp} \rightarrow \text{Z} \rightarrow \text{ee})$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=13$, ext {TeV}. , 2018, 78, 1.	2.9	47
224	Measurements of the $(\text{pp} \rightarrow \text{Z} \rightarrow \text{ee})$ production cross section and the $(\text{pp} \rightarrow \text{Z} \rightarrow \text{ee})$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13, \text{ext } \{\text{TeV}\})$. , 2018, 78, 1.		3
225	Measurement of b hadron lifetimes in pp collisions at $(\sqrt{s} = 8)$ (,ext {TeV}ext {V}). , 2018, 78, 1.		1
226	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. Physical Review Letters, 2017, 118, 021802.	2.9	24
227	Measurements of the $\text{pp} \rightarrow \text{Z} \rightarrow \text{ee} + \text{jet}$ production cross section in pp collisions at $\sqrt{s}=8$ TeV and ratio of 8 to 7 TeV cross sections. European Physical Journal C, 2017, 77, 15.	1.4	34
228	Measurement of the $\text{pp} \rightarrow \text{Z} \rightarrow \text{ee} + \text{jet}$ production cross section using events in the $\text{pp} \rightarrow \text{Z} \rightarrow \text{ee} + \text{jet}$ final state in pp collisions at $\sqrt{s}=13$, ext {TeV} $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
229	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s}=8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
230	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.	1.6	11
231	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 92.	1.4	16
232	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 $\sqrt{s}=8$, ext {TeV} $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 236.	1.4	37
233	Measurement of prompt and nonprompt $\text{pp} \rightarrow \text{Z} \rightarrow \text{ee} + \text{jet}$ production in $\text{pp} \rightarrow \text{Z} \rightarrow \text{ee} + \text{jet}$ collisions at $\sqrt{s}=5.02$, ext {TeV} $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
234	A search for new phenomena in pp collisions at $\sqrt{s}=13$, ext {TeV} $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the $\text{pp} \rightarrow \text{Z} \rightarrow \text{ee} + \text{jet}$ variable. European Physical Journal C, 2017, 77, 294.	1.4	29

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237	Measurement of the Rind $\langle \cos(\phi_1 - \phi_2) \rangle$ Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2017, 119, 152301.	2.9	15
238	Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 152301.	2.9	62
239	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
240	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
241	Measurement of the jet mass in highly boosted $\overline{\text{t}}\text{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	1.4	23
242	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 141802.	2.9	54
243	Correlations in Pb-Pb and $\sqrt{s} = 8$ TeV Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2017, 119, 141802.	2.9	32
244	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 111802.	2.9	35
245	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
246	Search for $\overline{\text{t}}\text{t}$ 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.	1.6	22
247	Search for associated production of dark matter with a Higgs boson decaying to $b\overline{b}$ or $\tilde{\chi}^0_1\tilde{\chi}^0_2$ at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
248	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	2.9	23
249	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
250	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.	1.6	35
251	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
252	Measurement of the semileptonic $\overline{\text{t}}\text{t} + \tilde{\chi}^0_1$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11

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254	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
255	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
256	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
257	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
258	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$, $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. European Physical Journal C, 2017, 77, 252.	1.4	82
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260	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2017, 77, 354.	1.4	23
261	$T_{j, ETQ1} = 1.0784314 \text{ rgBT / Overlock } 10 \text{ Tf } 50$ $\text{Yields from } \hat{V}^{\pm 3}$	2.9	24
262	Searches for invisible decays of the Higgs boson in pp collisions at $s = 7, 8, \text{ and } 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
263	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
264	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2017, 119, 221802.	2.9	40
265	Measurement of electroweak-induced production of $W^{\pm 3}$ with two jets in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
266	Searches for $W\hat{E}^2$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV . Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
267	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
268	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
269	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
270	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.	1.6	27

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272	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
273	Measurement of the $t \bar{t} \hat{\mathcal{A}}^{-}$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
274	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $s = 13 \sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	5
275	Search for top quark partners with charge $5/3$ in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
276	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $s = 8 \sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
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