

J Schwandt

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2419632/publications.pdf>

Version: 2024-02-01

274
papers

8,988
citations

50276

46
h-index

66911

78
g-index

279
all docs

279
docs citations

279
times ranked

8232
citing authors

#	ARTICLE	IF	CITATIONS
1	Depth-dependent charge collection profile of pad diodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1025, 166177.	1.6	1
2	The Boron-Oxygen (B-O) Defect Complex Induced by Irradiation With 23 GeV Protons in p-Type Epitaxial Silicon Diodes. IEEE Transactions on Nuclear Science, 2022, 69, 576-586.	2.0	8
3	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
4	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
5	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 153.	3.9	14
6	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
7	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.	3.9	18
8	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	13
9	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	4.7	5
10	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	12
11	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
12	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	6
13	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
14	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	5
15	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
16	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	2
17	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	4.7	4
18	Observation of $B^0 \rightarrow \mu^+ \mu^- \psi(2S) K^0_{\text{S}}$ and $B^0_{\text{S}} \rightarrow \mu^+ \mu^- \psi(2S) K^0_{\text{S}}$ decays. European Physical Journal C, 2022, 82, .	3.9	1

#	ARTICLE	IF	CITATIONS
19	Radiation damage uniformity in a SiPM. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167042.	1.6	2
20	Self-heating effect in Silicon-Photomultipliers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, , 167026.	1.6	0
21	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s}=13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 13.	3.9	33
22	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s}=13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 3.	3.9	33
23	The CMS Phase-1 pixel detector upgrade. Journal of Instrumentation, 2021, 16, P02027-P02027.	1.2	25
24	Measurements of $pp \rightarrow ZZ$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 200.	3.9	24
25	Development and validation of HERWIG tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
26	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 378.	3.9	40
27	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 488.	3.9	35
28	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	27
29	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 629.	3.9	18
30	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 688.	3.9	9
31	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$. European Physical Journal C, 2021, 81, 723.	3.9	19
32	Simulation of the response of SiPMs; Part I: Without saturation effects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1019, 165853.	1.6	3
33	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.	3.9	2
34	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$ in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
35	Position reconstruction for segmented detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1014, 165744.	1.6	3
36	Position resolution with 25 μm pitch pixel sensors before and after irradiation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1021, 165933.	1.6	0

#	ARTICLE	IF	CITATIONS
37	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2021, 81, 970.	3.9	18
38	Analysis methods for highly radiation-damaged SiPMs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162729.	1.6	3
39	Determination of the electric field in highly-irradiated silicon sensors using edge-TCT measurements. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 951, 162987.	1.6	9
40	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
41	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2020, 15, P02027-P02027.	1.2	27
42	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2020, 15, P05002-P05002.	1.2	3
43	Study of central exclusive "Equation missing" \leftarrow No EquationSource Format="TEX", only image \rightarrow production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV . European Physical Journal C, 2020, 80, 718.	3.9	7
44	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s} = 13, \{\text{TeV}\}$. European Physical Journal C, 2020, 80, 752.	3.9	23
45	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
46	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	4.7	21
47	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
48	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s} = 13, \{\text{TeV}\}$. European Physical Journal C, 2020, 80, 189.	3.9	22
49	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ and $5.02, \{\text{TeV}\}$. European Physical Journal C, 2020, 80, 534.	3.9	14
50	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13, \{\text{TeV}\}$. European Physical Journal C, 2020, 80, 43.	3.9	11
51	Evidence for W production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13, \{\text{TeV}\}$. European Physical Journal C, 2020, 80, 1.	3.9	10
52	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13, \{\text{TeV}\}$. European Physical Journal C, 2020, 80, 75.	3.9	78
53	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13, \{\text{TeV}\}$. European Physical Journal C, 2020, 80, 3.	3.9	70
54	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198

#	ARTICLE	IF	CITATIONS
55	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.	4.7	14
56	A multi-dimensional search for new heavy resonances decaying to boosted W , WZ , or ZZ boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 237.	3.9	31
57	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.	3.9	5
58	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 370.	3.9	22
59	Measurement of 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.	3.9	33
60	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.	4.7	17
61	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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	9
62	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02$, $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2019, 79, 702.	3.9	33
63	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$, $\sqrt{s} = 8$ TeV. European Physical Journal C, 2019, 79, 564.	3.9	50
64	On the weighting field of irradiated silicon detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162418.	1.6	36
65	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$, $\sqrt{s} = 8$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40
66	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s} = 13$, $\sqrt{s} = 8$ TeV. European Physical Journal C, 2019, 79, 773.	3.9	8
67	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 8$ TeV. European Physical Journal C, 2019, 79, 305.	3.9	4
68	Search for the pair production of light top squarks in the $e^+e^- \rightarrow t\bar{t}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
69	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 8$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355
70	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$, $\sqrt{s} = 8$ TeV. European Physical Journal C, 2019, 79, 444.	3.9	11
71	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.	4.7	14
72	Measurement of the $t\bar{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 368.	3.9	68

#	ARTICLE	IF	CITATIONS
73	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 1.	3.9	12
74	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 280.	3.9	29
75	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 364.	3.9	48
76	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 90.	3.9	34
77	Study of the underlying event in top quark pair production in pp collisions at $13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 123.	3.9	11
78	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 94.	3.9	20
79	Search for $t\bar{t} \rightarrow t\bar{t}H$ production in the $H \rightarrow b\bar{b}$ decay channel with leptonic $t\bar{t}$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
80	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.	4.7	12
81	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 20.	3.9	18
82	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
83	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 893.	3.9	12
84	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2019, 79, 886.	3.9	16
85	CMS Pixel detector development for the HL-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 59-63.	1.6	12
86	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.	4.7	28
87	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2018, 78, 242.	3.9	10
88	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.	4.7	8
89	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b} \rightarrow \gamma\gamma$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	36
90	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{\text{TeV}\}$. European Physical Journal C, 2018, 78, 291.	3.9	27

#	ARTICLE	IF	CITATIONS
91	Measurements of the $\sigma(\text{pp} \rightarrow \text{Z}\nu\text{Z})$ production cross section and the $\text{BR}(\text{Z} \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	3.9	52
92	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
93	Measurement of the inclusive $\sigma(\text{pp} \rightarrow \text{Z}\nu\text{Z})$ cross section in pp collisions at $\sqrt{s} = 5.02$ TeV using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
94	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	0
95	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
96	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
97	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	57
98	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	63
99	Measurement of differential cross sections in the kinematic angular variable $\cos^2\theta^*$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
100	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
101	Measurement of normalized differential $\sigma(\text{pp} \rightarrow \text{Z}\nu\text{Z})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
102	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
103	Search for ZZ resonances in the $2\ell\gamma$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
104	Search for $\sigma(\text{pp} \rightarrow \text{Z}\nu\text{Z})$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
105	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
106	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.	4.7	43
107	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.	4.7	12
108	Measurement of the top quark mass with lepton+jets final states using $\text{pp} \rightarrow \text{t}\bar{\text{t}}\text{Z}\nu$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 891.	3.9	34

#	ARTICLE	IF	CITATIONS
109	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.	4.7	57
110	Search for $Z\bar{1}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
111	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.	4.7	14
112	Search for third-generation scalar leptoquarks decaying to a top quark and a τ , lepton at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.	3.9	46
113	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
114	Studies of $B_s^0 \rightarrow B_s^0 \gamma$ and $B_s^0 \rightarrow B_s^0 \gamma$		

#	ARTICLE	IF	CITATIONS
127	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s} = 5.02$ TeV collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83
128	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying l, \bar{l} , leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
129	Test beam demonstration of silicon microstrip modules with transverse momentum discrimination for the future CMS tracking detector. Journal of Instrumentation, 2018, 13, P03003-P03003.	1.2	4
130	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.	3.9	17
131	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
132	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.	4.7	13
133	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
134	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
135	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
136	Jet properties in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
137	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	3.9	44
138	Measurements of the $(p) \rightarrow Z$ production cross section and the $(Z) \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13 \text{ TeV})$. , 2018, 78, 1.		3
139	Surface effects in segmented silicon sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 159-163.	1.6	6
140	Measurements of the $t\bar{t}$ production cross section in lepton+jets final states in pp collisions at $\sqrt{s} = 8$ TeV and ratio of $\sigma(t\bar{t})$ to $\sigma(t\bar{t})$ at $\sqrt{s} = 8$ TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
141	On the characterisation of SiPMs from pulse-height spectra. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 854, 70-81.	1.6	22
142	Measurement of the $t\bar{t}$ production cross section using events in the $e\mu$ final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
143	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
144	Search for electroweak production of charginos in final states with two l, \bar{l} , leptons in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11

#	ARTICLE	IF	CITATIONS
145	Measurement of the production cross section of a $W\hat{A}$ 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
146	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
147	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	3.9	53
148	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the α_T variable. European Physical Journal C, 2017, 77, 294.	3.9	29
149	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.	4.7	17
150	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	3.9	52
151	Measurement of the jet mass in highly boosted $\overline{t}t$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	3.9	23
152	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.	4.7	103
153	Measurement of the $t\bar{t}$ spray profile for $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	2
154	Search for $t\bar{t}\hat{A}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
155	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or \hat{A}^3 at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
156	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	48
157	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
158	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.	4.7	13
159	Measurement of the semileptonic $t\bar{t}\hat{A}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
160	Measurements of the $pp\hat{A}'W\hat{A}^3$ and $pp\hat{A}'Z\hat{A}^3$ cross sections and limits on anomalous quartic gauge couplings at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
161	Search for new phenomena with the M_{T2} variable in the all-hadronic final state produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 710.	3.9	98
162	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

#	ARTICLE	IF	CITATIONS
163	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.	4.7	23
164	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.	4.7	14
165	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.	4.7	23
166	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. European Physical Journal C, 2017, 77, 252.	3.9	82
167	Searches for pair production of third-generation squarks in $s = 13 \sqrt{s} = 13 \text{ TeV}$ pp collisions. European Physical Journal C, 2017, 77, 327.	3.9	32
168	Measurement of the top quark mass using single top quark events in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2017, 77, 354.	3.9	23
169	Searches for invisible decays of the Higgs boson in pp collisions at $s = 7, 8, \text{ and } 13 \sqrt{s} = 7, 8, \text{ and } 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	95
170	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.	4.7	22
171	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 845.	3.9	38
172	Measurement of electroweak-induced production of $W\tilde{t}^3$ 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.	4.7	17
173	Searches for $W\tilde{t}^2$ 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.	4.7	8
174	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.	4.7	10
175	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.	4.7	22
176	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
177	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 $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	27
178	Search for top squark pair production in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$ using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	4.7	31
179	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.	4.7	15
180	Measurement of the $t\bar{t}\tilde{t}$ 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.	4.7	15

#	ARTICLE	IF	CITATIONS
181	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.	4.7	5
182	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 578.	3.9	57
183	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.	4.7	3
184	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.	4.7	29
185	Measurements of jet charge with dijet events in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
186	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	21
187	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
188	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	62
189	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	41
190	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 1.	3.9	2
191	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 636.	3.9	38
192	Search for high-mass Z^{\prime} resonances in $e^{+}e^{-} \rightarrow \tau^{+}\tau^{-}$ and $\tau^{+}\tau^{-} + \tau^{+}\tau^{-}$ final states in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	7
193	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying W , leptons and two jets in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	22
194	Search for CP violation in $t\bar{t} \rightarrow t\bar{t} + \gamma$ production and decay in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	4
195	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	3.9	23
196	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	10
197	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	14
198	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	101

#	ARTICLE	IF	CITATIONS
199	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2017, 77, 751.	3.9	30
200	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using H \rightarrow WW decays. Journal of High Energy Physics, 2017, 2017, 1.	4.7	11
201	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
202	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $s_{NN} = 2.76 \sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
203	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ $s = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 451.	3.9	55
204	Measurement of the $\sigma(\text{W}^+\text{W}^-)$ $W + W^-$ cross section in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	3.9	74
205	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
206	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
207	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 317.	3.9	16
208	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5
209	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $s_{NN} = 2.76 \sqrt{s_{\text{NN}}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	31
210	Search for anomalous single top quark production in association with a photon in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	27
211	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	7
212	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	13
213	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 325.	3.9	25
214	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ $s = 13 \text{ TeV}$. European Physical Journal C, 2016, 76, 439.	3.9	64
215	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8, \text{TeV}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 536.	3.9	16
216	Search for dark matter particles in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$ using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	4.7	4

#	ARTICLE	IF	CITATIONS
217	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
218	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
219	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
220	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
221	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
222	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
223	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
224	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
225	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
226	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
227	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
228	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
229	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
230	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
231	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
232	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
233	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
234	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	5

#	ARTICLE	IF	CITATIONS
235	Search for excited leptons in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
236	Measurement of the $\overline{\text{t}}\text{t}\hat{\text{A}}^-$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128.	3.9	41
237	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
238	Search for massive WH resonances decaying into the $\text{e}\overline{\text{b}}\hat{\text{A}}, \hat{\text{A}}\text{b}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	3.9	30
239	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	15
240	Search for heavy Majorana neutrinos in $\text{e}\hat{\text{A}}\text{e}\hat{\text{A}}^{\pm\pm}$ jets and $\text{e}\hat{\text{A}}\hat{\text{A}}^{\pm\pm}$ jets events in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	35
241	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\hat{\text{t}}, \text{leptons}$ in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
242	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
243	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
244	Search for a charged Higgs boson in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	81
245	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
246	Search for a light charged Higgs boson decaying to $\text{c}\overline{\text{s}}\hat{\text{A}}^-$ in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	4.7	44
247	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	4.7	30
248	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
249	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
250	Measurement of the $\text{t}\overline{\text{t}}$ production cross section in pp collisions at $\sqrt{s}=7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	3.9	37
251	Charged particle multiplicities in pp interactions at $\sqrt{s}=0.9, 2.36,$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
252	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122

#	ARTICLE	IF	CITATIONS
253	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
254	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
255	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
256	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7; \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
257	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ \$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	30
258	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ \$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
259	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
260	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
261	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
262	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	46
263	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	10
264	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	53
265	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
266	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13
267	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
268	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ \$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	56
269	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	20
270	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ \$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	49

#	ARTICLE	IF	CITATIONS
271	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	97
272	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	3.9	50
273	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
274	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497