

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10887699/publications.pdf>

Version: 2024-02-01

484
papers

28,758
citations

5891

81
h-index

9854

141
g-index

489
all docs

489
docs citations

489
times ranked

10772
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. Physical Review Letters, 2022, 128, 032001.	2.9	23
2	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.	1.4	14
3	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. Physical Review Letters, 2022, 128, 122301.	2.9	11
4	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.	1.4	18
6	Observation of $B^0 \rightarrow \psi(2S) K^0_{\text{short}}$ and $B^0 \rightarrow \psi(2S) K^0_{\text{long}}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
7	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 13.	1.4	33
8	Search for top squark pair production using dilepton final states in collision data collected at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 3.	1.4	33
9	Measurements of $p\bar{p} \rightarrow Z\gamma$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 200.	1.4	24
10	Development and validation of HERWIG++ tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
11	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
12	First measurement of large area jet transverse momentum spectra in heavy-ion collisions. Journal of High Energy Physics, 2021, 2021, 1.	1.6	11
13	Measurement of the W^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
14	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
15	Observation of a New Excited Beauty Strange Baryon Decaying to $\Lambda_c^+ \Lambda^0$. Physical Review Letters, 2021, 126, 252003.	2.9	22
16	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
17	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z -Boson Yields and Azimuthal Anisotropy at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2021, 127, 102002.	2.9	5
18	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

#	ARTICLE	IF	CITATIONS
19	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 723.	1.4	19
20	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
21	Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2021, 127, 122001.	2.9	16
22	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
23	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Physical Review C, 2021, 103, .	1.1	1
24	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV Using Leptonic Decays. Physical Review Letters, 2021, 127, 191801.	2.9	6
25	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 970.	1.4	18
26	Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804.	2.9	17
27	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV in pp Collisions. Physical Review Letters, 2021, 127, 122002.	2.9	20
28	Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 261804.	1.1	10
29	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
30	Measurements of $t\bar{t}$ Production and the Structure of the Yukawa Interaction in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 127, 122001.	2.9	38
31	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV in pp Collisions. Physical Review Letters, 2021, 127, 122002.	2.9	13
32	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV in pp Collisions. Physical Review Letters, 2021, 127, 122002.	2.9	14
33	Study of central exclusive η production in proton-proton collisions at $\sqrt{s} = 5.02$ TeV and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
34	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
35	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.	2.9	9
36	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7

#	ARTICLE	IF	CITATIONS
37	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13$, ext {TeV} TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
38	Multiparticle correlation studies in p -Pb collisions at $\sqrt{s}=2.76$ and 5.02 TeV. Physical Review C, 2020, 101, .	1.1	9
39	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
40	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
41	Determination of the strong coupling constant $\hat{\alpha}_S(m_Z)$ from measurements of inclusive W^{\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
42	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s}=13$, ext {Te}ext {V} TeV. European Physical Journal C, 2020, 80, 43.	1.4	11
43	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft 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.	2.9	6
44	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
45	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 75.	1.4	78
46	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 $\sqrt{s}=13$, ext {Te}ext {V} TeV. European Physical Journal C, 2020, 80, 3.	1.4	70
47	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
48	Constraints on the \tilde{t} versus \tilde{t}^* Polarizations in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 131802.	2.9	61
49	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	61
50	A multi-dimensional search for new heavy resonances decaying to boosted W , Z , or τ boson pairs in the dijet final state at 13 TeV. European Physical Journal C, 2020, 80, 237.	1.4	31
51	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$, ext {Te}ext {V} TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
52	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
53	Measurement of σ_{pp} normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13$, ext {TeV} 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
54	Centrality and pseudorapidity dependence of the transverse energy density in p -Pb collisions at $\sqrt{s}=2.76$ and 5.02 TeV. Physical Review C, 2019, 100, .	1.1	6

#	ARTICLE	IF	CITATIONS
55	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 $\sqrt{s} = 13, \text{ext } \{TeV\}$ $s = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
56	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 702.	1.4	33
57	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 277.	1.4	35
58	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 564.	1.4	50
59	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13, \text{ext } \{TeV\}$ $s = 13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	1.4	40
60	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in pp collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 773.	1.4	8
61	Search for a Light Charged Higgs Boson Decaying to a W and a C-odd Higgs Boson in Final States of Beauty Suppression via Nonprompt Mesons in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76, \text{ext } \{TeV\}$. Physical Review Letters, 2019, 123, 022001.	2.9	21
62	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$ $s = 13$ TeV. European Physical Journal C, 2019, 79, 305.	2.9	17
63	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s} = 13, \text{ext } \{TeV\}$. Physical Review Letters, 2019, 122, 011803.	1.4	4
64	Search for the Higgs Boson Decaying to Two Muons in Proton-Proton Collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. Physical Review Letters, 2019, 122, 021801.	2.9	37
65	Measurement of associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$ $s = 13$ TeV. European Physical Journal C, 2019, 79, 269.	1.4	35
66	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 421.	1.4	355
67	Search for supersymmetry in events with a photon, jets, b-jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 444.	1.4	11
68	Measurements of the pp $t\bar{t}$ 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
69	Measurement of the $t\bar{t}\gamma$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 368.	1.4	68
70	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$. European Physical Journal C, 2019, 79, 1.	1.4	12
71	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{TeV\}$ $s = 13$ Te. European Physical Journal C, 2019, 79, 280.	1.4	29

#	ARTICLE	IF	CITATIONS
73	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	1.4	48
74	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
75	Search for Higgs boson pair production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 152001.	2.9	24
76	Search for W boson decays to three charged pions. Physical Review Letters, 2019, 122, 151802.	2.9	4
77	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	1.4	34
78	Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.	1.4	11
79	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 94.	1.4	20
80	Measurements of differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 1.	1.6	28
81	Search for Narrow H^{\pm} Resonances in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	3
82	Search for resonant $t\bar{t}$ production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
83	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, 152001.	2.9	30
84	Observation of Two Excited B_c States and Measurement of the B_c Stretching. Physical Review Letters, 2019, 122, 152001.	2.9	62
85	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
86	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 $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
87	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20.	1.4	18
88	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2019, 79, 969.	1.4	6
89	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.	1.1	8
90	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

#	ARTICLE	IF	CITATIONS
91	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13$, ext {TeV} TeV. European Physical Journal C, 2019, 79, 893.	1.4	12
92	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.	2.9	1
93	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} TeV. European Physical Journal C, 2019, 79, 886.	1.4	16
94	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$, ext {TeV} TeV. Physical Review Letters, 2019, 123, 231803.	2.9	23
95	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
96	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
97	Study of the $\mathcal{B}(\mathcal{B}^0 \rightarrow \mu^+ \mu^- \gamma)$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
98	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. Physical Review Letters, 2018, 120, 071802.	2.9	40
99	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in W and Z Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$, ext {TeV} TeV. Physical Review Letters, 2018, 120, 142302.	2.9	86
100	Observation of Correlated Azimuthal Anisotropy Fourier Harmonics in W and Z Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s}=13$, ext {TeV} TeV. Physical Review Letters, 2018, 120, 142302.	2.9	39
101	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s}=7$, ext {TeV} TeV. European Physical Journal C, 2018, 78, 242.	1.4	10
102	Measurement of the Splitting Function in pp and Pb-Pb Collisions at $\sqrt{s}=13$, ext {TeV} TeV. Physical Review Letters, 2018, 120, 142301.	2.9	70
103	Suppression of Exotic χ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s}=2.76$, ext {TeV} TeV. Physical Review Letters, 2018, 120, 142301.	2.9	38
104	Search for resonant and nonresonant Higgs boson pair production in the $b\bar{b}$ final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	36
105	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 291.	1.4	27
106	Measurements of the $\sigma(pp \rightarrow Z\gamma)$ production cross section and the $\mathcal{B}(Z \rightarrow \mu^+ \mu^-)$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s}=13$, ext {TeV} TeV. European Physical Journal C, 2018, 78, 165.	1.4	52
107	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	1.4	16
108	Measurement of the inclusive $\sigma(pp \rightarrow \ell^+ \ell^-)$ 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.	1.6	5

#	ARTICLE	IF	CITATIONS
109	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $s = 13 \sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
110	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s_{\text{NN}}}=5.02 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
111	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
112	Pseudorapidity and transverse momentum dependence of flow harmonics in p and Pb collisions. Physical Review C, 2018, 98, .	1.1	8
113	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\text{NN}}} = 5.44 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
114	Measurement of the top quark mass with lepton+jets final states using $p\bar{p}$ collisions at $\sqrt{s}=13, \text{ext } \{TeV\}$. European Physical Journal C, 2018, 78, 891.	1.4	34
115	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
116	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s}=13 \text{ TeV}$. Physical Review Letters, 2018, 121, 241802.	2.9	50
117	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$ and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	1.6	82
118	Search for supersymmetry in events with a \tilde{l} , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
119	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s_{\text{NN}}}=2.76 \text{ TeV}$. Using Isolated Photon-Tagged Jets. Physical Review Letters, 2018, 121, 242301.	2.9	32
120	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s}=13 \text{ TeV}$. Physical Review Letters, 2018, 121, 221802.	2.9	14
121	Search for third-generation scalar leptoquarks decaying to a top quark and a τ , lepton at $\sqrt{s}=13, \text{ext } \{TeV\}$ $s = 13 \text{ Te}$. European Physical Journal C, 2018, 78, 707.	1.4	46
122	Studies of $B_s^0 \rightarrow B_s^0 \gamma$ and $B_s^0 \rightarrow B_s^0 \gamma \gamma$		

#	ARTICLE	IF	CITATIONS
127	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
128	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
129	Measurement of the $\sigma(\text{Z}/\gamma \rightarrow \text{e}^+\text{e}^-)$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $\sigma(\text{Z}/\gamma \rightarrow \text{e}^+\text{e}^-)$. European Physical Journal C, 2018, 78, 708.	1.4	10
130	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
131	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u} \rightarrow \text{q}\bar{\text{q}}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
132	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	35
133	Observation of the $\Lambda(3P)$ and $\Lambda(3P)$ and Measurement of their Masses. Physical Review Letters, 2018, 121, 092002.	2.9	19
134	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in $p\bar{p}$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 701.	1.4	58
135	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.	1.4	83
136	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying τ , leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
137	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219
138	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
139	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
140	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
141	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 201801.	1.1	64
142	Measurement of Prompt D^0 Meson Azimuthal Anisotropy in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2018, 120, 202301.	2.9	70
143	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.	1.6	42
144	Bose-Einstein correlations in $p\bar{p}$, $p\bar{p}$, and PbPb collisions at $\sqrt{s} = 13$ TeV. Physical Review C, 2018, 97, .	1.1	29

#	ARTICLE	IF	CITATIONS
145	Jet properties in PbPb and pp collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
146	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} $s = 13$ TeV. European Physical Journal C, 2018, 78, 140.	1.4	44
147	Search for Strange Hadrons in High-Multiplicity Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review Letters, 2018, 121, 082301.	2.9	48
148	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV, ext {TeV} $s = 8$ TeV. European Physical Journal C, 2018, 78, 457.	1.4	15
149	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review Letters, 2018, 121, 062002.	2.9	22
150	Observation of $t\bar{t}$ production in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 231801.	2.9	209
151	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
152	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
153	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
154	Measurements of the $p\bar{p} \rightarrow Z\gamma$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$, ext {TeV} . , 2018, 78, 1.		3
155	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV, ext {TeV} $s = 8$ TeV. European Physical Journal C, 2018, 78, 1.		1
156	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
157	Measurements of the $t\bar{t} \rightarrow t\bar{t}\gamma$ production cross section in lepton+jets final states in pp collisions at $\sqrt{s} = 8$ TeV, ext {TeV} $s = 8$ TeV and ratio of 8 to $7\sqrt{s} = 7$ TeV cross sections. European Physical Journal C, 2017, 77, 15.	1.4	34
158	Measurement of the $t\bar{t} \rightarrow t\bar{t}\gamma$ 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.	1.4	40
159	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
160	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
161	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7$ and 8 TeV, ext {TeV} $s = 7$ and 8 TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8$, ext {TeV} $s = 8$ TeV. European Physical Journal C, 2017, 77, 236.	1.4	37
162	Measurement of prompt and nonprompt J/ψ production in pp and pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$, ext {TeV} $s = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53

#	ARTICLE	IF	CITATIONS
163	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.	1.4	29
164	Observation of Charge-Dependent Azimuthal Correlations in pp Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	2.9	15
165	Measurement of the Rigidities in pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 118, 122301.	2.9	15
166	Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, 014907.	2.9	62
167	Measurement of inclusive jet cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 141802.	1.1	6
168	Correlations in Pb-Pb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, 014907.	1.1	59
169	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
170	Measurement of the jet mass in highly boosted $t\bar{t}$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	1.4	23
171	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
172	Study of Jet Quenching with Z Correlations in Pb-Pb and pp Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 111802.	2.9	32
173	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
174	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
175	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	2.9	23
176	Measurement of the semileptonic $t\bar{t}\gamma$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
177	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.	1.4	98
178	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
179	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
180	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 354.	1.4	23

#	ARTICLE	IF	CITATIONS
181	Modification of Prompt T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74 Yields from $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	2.9	24
182	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 845.	1.4	38
183	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 221802.	2.9	40
184	Measurement of electroweak-induced production of W^3 with two jets in pp collisions at $s = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
185	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
186	Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS. Physical Review C, 2017, 96, .	1.4	57
187	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 $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
188	Search for new physics with dijet angular distributions in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
189	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
190	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 $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
191	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	2
192	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 636.	1.4	38
193	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \bar{l} , leptons and two jets in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
194	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
195	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
196	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.4	30
197	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $s_N = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
198	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55

#	ARTICLE	IF	CITATIONS
199	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	1.4	74
200	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
201	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 317.	1.4	16
202	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
203	Search for Narrow Resonances in Dijet Final States at $\sqrt{s} = 8$ TeV: the Novel CMS Technique of Data Scouting. Physical Review Letters, 2016, 117, 031802.	2.9	74
204	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 325.	1.4	25
205	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
206	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73
207	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review D, 2016, 94, .	1.6	4
208	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review Letters, 2016, 117, 051802.	2.9	139
209	Measurement of the inclusive cross section for meson production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review Letters, 2016, 117, 051802.	2.9	20
210	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review Letters, 2016, 116, 052002.	2.9	34
211	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 536.	1.4	16
212	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.	1.6	14
213	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.	1.4	29
214	Measurement of the $t\bar{t}$ production cross section in the $e\mu$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
215	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.	1.4	18
216	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26

#	ARTICLE	IF	CITATIONS
217	Measurement of $\sigma(\overline{t}t\hat{A}^-)$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \text{ext } \{TeV\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 379.	1.4	34
218	Measurement of the differential cross section and charge asymmetry for inclusive $p \rightarrow W^{\pm} + X$ production at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 469.	1.4	83
219	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
220	Measurement of the $\sigma(\overline{t}t\hat{A}^-)$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 128.	1.4	41
221	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
222	Search for massive WH resonances decaying into the $b\bar{b}\hat{A}^-$ final state at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 237.	1.4	30
223	Search for heavy Majorana neutrinos in $e\hat{A}^{\pm}e\hat{A}^{\pm}$ jets and $e\hat{A}^{\pm}\hat{A}^{\pm}$ jets events in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
224	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2016, 116, 071801.	2.9	114
225	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 13.	1.4	62
226	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pp collisions. Physical Review C, 2015, 92, .	1.1	140
227	Evidence for Collective Multiparticle Correlations in pp collisions. Physical Review Letters, 2015, 115, 012301.	2.9	177
228	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
229	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
230	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
231	Search for a light charged Higgs boson decaying to $c\bar{s}$ in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
232	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
233	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV . European Physical Journal C, 2015, 75, 212.	1.4	541
234	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the $7-8 \text{ TeV}$ range. European Physical Journal C, 2015, 75, 186.	1.4	68

#	ARTICLE	IF	CITATIONS
235	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 542.	1.4	191
236	Measurements of the $\mathcal{Z}\mathcal{Z}$ production cross sections in the $2u \rightarrow 2l + \hat{1}/2$ channel in proton-proton collisions at $\sqrt{s} = 7, 8$ and $8\sqrt{s}$. European Physical Journal C, 2015, 75, 511.	1.4	32
237	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2015, 114, 101801.	2.9	36
238	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	1.4	73
239	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow \bar{c} \ell^+ \nu_{\ell}$ and $B \rightarrow \bar{c} \ell^+ \nu_{\ell}$ in $B \rightarrow \bar{c} \ell^+ \nu_{\ell} \ell^+ \ell^-$ events. Physical Review Letters, 2015, 114, 051801.	2.9	60
240	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	2.9	80
241	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 66.	1.4	31
242	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 147.	1.4	88
243	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 151.	1.4	44
244	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	26
245	Measurement of the ratio of the production cross sections times branching fractions of $B \rightarrow \bar{c} \ell^+ \nu_{\ell}$ and $B \rightarrow \bar{c} \ell^+ \nu_{\ell}$ in $B \rightarrow \bar{c} \ell^+ \nu_{\ell} \ell^+ \ell^-$ events. Physical Review Letters, 2015, 114, 051801.	1.6	17
246	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
247	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
248	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 235.	1.4	320
249	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7, \text{ext } \{\text{TeV}\}$ $s = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 288.	1.4	54
250	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. European Physical Journal C, 2015, 75, 237.	1.4	58
251	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7, \text{ext } \{\text{TeV}\}$ $s = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 302.	1.4	6
252	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8, \text{ext } \{\text{TeV}\}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 325.	1.4	43

#	ARTICLE	IF	CITATIONS
253	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	2.9	47
254	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	1.4	179
255	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	1.4	43
256	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
257	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81
258	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
259	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W , Z , and Higgs bosons in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3036.	1.4	241
260	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	61
261	Measurement of jet fragmentation in PbPb and pPb collisions. Physical Review Letters, 2014, 112, 161802.	1.1	113
262	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 89, .	1.1	133
263	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	2.9	45
264	Measurement of inclusive W and Z Boson Production Cross Sections in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 112, 171801.	2.9	94
265	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	2.9	63
266	Search for Top-Quark Partners with Charge in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	2.9	76
267	Search for Flavor-Changing Neutral Currents in Top-Quark Decays. Physical Review Letters, 2014, 112, 171801.	1.6	161
268	Search for Top-Quark Partners with Charge in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	1.9	64
269	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
270	Evidence of Jet Quenching in PbPb Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	2.9	85

#	ARTICLE	IF	CITATIONS
271	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
272	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	3
273	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
274	Measurement of Higgs boson production and properties in the WW decay channel with leptonic final states. Journal of High Energy Physics, 2014, 2014, 1.	1.6	169
275	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
276	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75
277	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23
278	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. European Physical Journal C, 2014, 74, 2980.	1.4	171
279	Measurement of jet multiplicity distributions in $\overline{t}t$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	1.4	16
280	Study of double parton scattering using W + 2-jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
281	Event activity dependence of Υ (nS) production in $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
282	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
283	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
284	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100
285	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	1.6	4
286	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
287	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
288	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35

#	ARTICLE	IF	CITATIONS
289	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
290	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	1.4	17
291	Production of a Single Top Quark and a W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	2.9	108
292	Measurement of the $(\overline{t}t)$ production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
293	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
294	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
295	Study of exclusive two-photon production of $W+W\hat{a}$ in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
296	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
297	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
298	Studies of jet mass in dijet and W/Z + jet events. Journal of High Energy Physics, 2013, 2013, 1.	1.6	58
299	Measurement of the $\overline{t}t$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
300	Measurement of the X(3872) production cross section via decays to $J/\psi\psi + \psi\psi$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
301	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
302	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	15
303	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	33
304	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
305	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	1.4	20
306	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	1.4	68

#	ARTICLE	IF	CITATIONS
307	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 88, .	1.6	7
308	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	1.6	24
309	Measurement of the production cross section for $Z\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on ZZ^3 and Z^3 triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
310	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{T} and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
311	Measurement of masses in the $t\bar{t}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
312	Search for physics beyond the standard model in events with \bar{t} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2493.	1.4	22
313	Measurement of the $t\bar{t}$ production cross section in the \bar{t} ,+jets channel in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	24
314	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2674.	1.4	32
315			

#	ARTICLE	IF	CITATIONS
325	Search for narrow resonances using the dijet mass spectrum in $p\bar{p} \rightarrow p\bar{p} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	1.6	71
326	Search for contact interactions in $p\bar{p} \rightarrow p\bar{p} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	1.6	5
327	Physical $B \rightarrow K^* \ell^+ \ell^-$	2.9	282
328	Searches for new physics using $\theta_{\text{eff}}^{\text{had}} \hat{\Gamma}^{\text{had}}$ invariant mass distribution in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2013, 111, 211804.	2.9	90
329	Interpretation of searches for supersymmetry with simplified models. Physical Review D, 2013, 88, .	1.6	58
330	Inclusive Search for Supersymmetry Using Razor Variables in $p\bar{p} \rightarrow p\bar{p} + \text{Collisions at } \sqrt{s} = 7 \text{ TeV}$	2.9	44
331	Search for Top Squarks in $R \rightarrow \text{Parity-Violating Supersymmetry Using Three or More Leptons and } b\bar{b}$	2.9	47
332	Search for $Z\ell^2$ -resonances decaying to $\ell^+\ell^- + \text{jets}$ final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review D, 2013, 87, .	1.6	34
333	Measurements of differential jet cross sections in proton-proton collisions at $s \sqrt{s} = 7 \text{ TeV}$	1.6	115
334	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .	1.6	11
335	Search for fractionally charged particles in $Z \rightarrow \text{jet} + \text{and } \sqrt{s} = 7 \text{ TeV}$	1.6	12
336	Search for pair-produced dijet resonances in four-jet final states in $p\bar{p} \rightarrow p\bar{p} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	1.6	41
337	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$	2.9	82
338	Search for pair-produced dijet resonances in four-jet final states in $p\bar{p} \rightarrow p\bar{p} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	1.6	12
339	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2013, 110, 022003.	2.9	61
340	Search for pair-produced dijet resonances in four-jet final states in $p\bar{p} \rightarrow p\bar{p} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	2.9	43
341	Search for Pair-Production of Third-Generation Leptoquarks and Top Squarks in $T \rightarrow \text{spectrum in } p\bar{p} \rightarrow p\bar{p} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	1.6	12
342	Search for pair-produced dijet resonances in four-jet final states in $p\bar{p} \rightarrow p\bar{p} + \text{collisions at } \sqrt{s} = 7 \text{ TeV}$	2.9	44

#	ARTICLE	IF	CITATIONS
343	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	1.1	185
344	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	1.6	9
345	Measurement of associated production of vector bosons and top quark-antiquark pairs in $\sqrt{s} = 7$ TeV proton-proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review D, 2013, 87, .	2.9	45
346	Search for pair production of first- and second-generation scalar leptoquarks in $\sqrt{s} = 7$ TeV proton-proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review D, 2013, 87, .	1.6	32
347	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 152303.	2.9	62
348	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 072301.	2.9	101
349	Search for the production of a Z boson or Techni- Z boson decaying into a W boson and a photon in $\sqrt{s} = 7$ TeV proton-proton collisions. Physical Review Letters, 2012, 109, 171803.	2.9	29
350	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	2.9	118
351	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	2.9	49
352	Search for the Standard Model Higgs Boson in the Decay Channel $H \rightarrow ZZ$. Physical Review Letters, 2012, 109, 071803.	2.9	97
353	Measurement of the Electron Charge Asymmetry in Inclusive W Production in $\sqrt{s} = 7$ TeV Proton-Proton Collisions. Physical Review Letters, 2012, 109, 071803.	2.9	65
354	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 86, .	2.9	95
355	Inclusive search for squarks and gluinos in $\sqrt{s} = 7$ TeV proton-proton collisions. Physical Review D, 2012, 86, .	1.6	18
356	Search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .	1.6	41
357	Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .	1.6	26
358	Study of the Dijet Mass Spectrum in $pp \rightarrow W + \text{jets}$ Events at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 211801.	2.9	15
359	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	2.9	126
360	Observation of Sequential W Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	2.9	220

#	ARTICLE	IF	CITATIONS
361	Observation of a New Λ_b^0 Baryon. Physical Review Letters, 2012, 108, 252002.	2.9	65
362	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
363	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
364	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
365	Search for heavy bottom-like quarks in 4.9fb^{-1} of pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
366	Measurement of the cross section for production of $\bar{b}X$ decaying to muons in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	6
367	Measurement of the $Z\bar{\nu}\nu$ -jet cross section in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
368	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
369	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
370	Measurement of the underlying event activity in pp collisions at $\sqrt{s} = 0.9\text{TeV}$ and 7TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
371	Search for anomalous $\bar{t}t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	1.6	58
372	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	168
373	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	95
374	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
375	Measurement of the $\bar{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	69
376	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	11
377	Search for resonant $\bar{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
378	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34

#	ARTICLE	IF	CITATIONS
379	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1. Measurement of the $\frac{\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})}{\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}}) + \sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}} + \text{b}\bar{\text{b}})}$ production cross	1.6	14
380	section in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1. Production cross section in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	35
381	Measurement of the rapidity and transverse momentum distributions of Z bosons with right-handed couplings in a Left-Right Symmetric Model in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	2.9	53
382	Measurement of the rapidity and transverse momentum distributions of Z bosons in pp collisions at $\sqrt{s}=7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	108
383	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}=7\text{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	33
384	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, \text{ and } 7\text{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	154
385	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7\text{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	129
386	Measurement of the top-quark mass in $\text{t}\bar{\text{t}} \rightarrow \text{t}\bar{\text{t}} + \text{dilepton}$ events with dilepton final states in pp collisions at $\sqrt{s}=7\text{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	42
387	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7\text{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	26
388			

#	ARTICLE	IF	CITATIONS
397	Study of high-p T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	369
398	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	181
399	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
400	Measurement of the production cross section in pp collisions at $\sqrt{s}=7\text{ TeV}$ in the region $0.1 < \eta < 0.9$ and $0.1 < \Delta\eta < 0.9$. Physical Review D, 2011, 84, 014017.	1.6	45
401	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	88
402	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review D, 2011, 84, 014017.	1.6	65
403	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	35
404	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\text{ TeV}$. Physical Review C, 2011, 84, 014017.	1.1	455
405	Indications of Suppression of Excited States in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\text{ TeV}$. Physical Review Letters, 2011, 106, 201804.	2.9	153
406	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in pp Collisions at $\sqrt{s}=7\text{ TeV}$. Physical Review Letters, 2011, 106, 201804.	2.9	54
407	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s}=7\text{ TeV}$. European Physical Journal C, 2011, 71, 1.	1.4	135
408	Measurement of the τ production cross section in pp collisions at $\sqrt{s}=7\text{ TeV}$ using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	1.4	37
409	Charged particle multiplicities in pp interactions at $\sqrt{s}=0.9, 2.36, \text{ and } 7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	106
410	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	122
411	Search for heavy stable charged particles in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
412	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.	1.6	23
413	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.	1.6	32
414	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.	1.6	59

#	ARTICLE	IF	CITATIONS
415	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
416	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	1.6	22
417	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	39
418	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.	1.6	46
419	Measurement of the τ 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.	1.6	53
420	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.	1.6	65
421	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	29
422	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
423	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	56
424	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
425	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	49
426	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
427	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.	1.6	97
428	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	36
429	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	1.6	158
430	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	25
431	Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	2.9	62
432	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	2.9	80

#	ARTICLE	IF	CITATIONS
433	Search for $B_s^0 \rightarrow \tau^+ \tau^-$ and $B^0 \rightarrow \tau^+ \tau^-$ Decays in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221802.		50
434	Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201803.	2.9	17
435	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	2.9	208
436	Study of Z Boson Production in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	2.9	80
437	Search for Supersymmetry in pp Collisions at $\sqrt{s} = 7$ TeV in Events with Two Photons and Missing Transverse Energy. Physical Review Letters, 2011, 106, 211802.	2.9	47
438	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. Physical Review D, 2011, 84, .	1.6	51
439	Search for a Vectorlike Quark with Charge $\pm 2/3$ in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221801.	2.9	53
440	Search for a Vectorlike Quark with Charge $\pm 2/3$ in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221801.	2.9	59
441	Measurement of the $B \rightarrow \tau \nu$ Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221801.	2.9	125
442	Measurement of the $B \rightarrow \tau \nu$ Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221801.	2.9	61
443	Search for Three-Jet Resonances in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221801.	2.9	34
444	Publisher's Note: Search for Dijet Resonances in 7 TeV pp Collisions at CMS [Phys. Rev. Lett. 105, 211801 (2010)]. Physical Review Letters, 2011, 106, .	2.9	9
445	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221801.	2.9	60
446	Measurement of the Polarization of W Bosons with Large Transverse Momenta in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221802.	2.9	46
447	Channel Single Top Quark Production Cross Section in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 221801.	2.9	70
448	Search for Stopped Gluinos in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 011801.	2.9	41
449	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. Physical Review Letters, 2011, 107, 221801.		5
450	First measurement of the underlying event activity at $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	1.4	50

#	ARTICLE	IF	CITATIONS
451	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
452	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
453	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
454	Search for Quark Compositeness with the Dijet Centrality Ratio in pp Collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	2.9	41
455	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	2.9	49
456	Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in pp Collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	2.9	400
457	Search for Dijet Resonances in pp Collisions at CMS. Physical Review Letters, 2010, 105, 022002.	2.9	126
458	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192
459	Anomalous quartic gauge boson couplings at hadron colliders. Physical Review D, 2001, 63, .	1.6	54
460	New Higgs couplings at hadronic colliders. Physical Review D, 1999, 59, .	1.6	16
461	Supersymmetric Higgs boson pair production at hadron colliders. Physical Review D, 1999, 60, .	1.6	35
462	Strongly interacting vector bosons at the CERN LHC: Quartic anomalous couplings. Physical Review D, 1998, 59, .	1.6	29
463	Search for a nonstandard Higgs boson in diphoton events at pp collisions. Physical Review D, 1998, 57, 7045-7047.	1.6	15
464	Anomalous couplings in $e^+e^- \rightarrow W^+W^- \gamma \gamma$ at CERN LEP 2 and NLC. Physical Review D, 1997, 56, 4384-4391.	1.6	4
465	Limits on Anomalous Couplings from Higgs Boson Production at the Fermilab Tevatron Collider. Physical Review Letters, 1997, 79, 5210-5213.	2.9	17
466	Discriminating new physics scenarios at the Next Linear Collider: The role of polarization. Physical Review D, 1997, 56, 2920-2927.	1.6	8
467	On the Long Standing Issue of an R^2 Coupling between Gravity and a Massless Free Scalar Field. Progress of Theoretical Physics, 1997, 97, 121-128.	2.0	1
468	Excited leptonic states in polarized e^+e^- collisions. Physical Review D, 1996, 53, 1253-1263.	1.6	13

#	ARTICLE	IF	CITATIONS
469	Anomalous Higgs boson contribution to $e^+e^- \rightarrow \tau^+\tau^- b\bar{b}$ at CERN LEP 2. <i>Physical Review D</i> , 1996, 54, 3266-3270.	1.6	8
470	Quartic anomalous couplings in $\hat{\Gamma}^3$ colliders. <i>Physical Review D</i> , 1995, 52, 15-21.	1.6	39
471	Can we measure the $\hat{\Gamma}^2$ coupling parameter at tree-level scattering?. <i>Physical Review D</i> , 1995, 51, 931-933.	1.6	2
472	Fermion helicity flip in weak gravitational fields. <i>Physical Review D</i> , 1994, 50, 2645-2647.	1.6	10
473	Triple-vector-boson processes in $\hat{\Gamma}^3$ colliders. <i>Physical Review D</i> , 1994, 50, 5591-5601.	1.6	6
474	Helicity amplitudes for matter-coupled gravity. <i>General Relativity and Gravitation</i> , 1994, 26, 409-425.	0.7	8
475	Gravitational laser backscattering. <i>Physical Review D</i> , 1993, 47, 2432-2434.	1.6	4
476	Anomalous contributions to $e^+e^- \rightarrow \tau^+\tau^- l^+l^-$ at high energies. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1992, 54, 95-100.	1.5	0
477	Nonstandard $\hat{\Gamma}^3$ processes in relativistic heavy-ion collisions. <i>Physical Review D</i> , 1991, 44, 118-126.	1.6	7
478	Helicity wave functions for massless and massive spin-2 particles. <i>Physical Review D</i> , 1991, 44, 3990-3993.	1.6	28
479	Production mechanisms for nonminimal Higgs bosons at an e^+e^- collider. <i>Physical Review D</i> , 1988, 38, 3444-3460.	1.6	27
480	Supersymmetric-charged-Higgs-boson production at the Superconducting Super Collider. <i>Physical Review D</i> , 1988, 37, 837-839.	1.6	1
481	Can the Higgs bosons of the minimal supersymmetric model be detected at a hadron collider via two-photon decays?. <i>Physical Review D</i> , 1988, 38, 3481-3487.	1.6	44
482			